

## Format of Written application for Tender documents

Tender form fee: Rs 500/-

Date

TO  
THE DIRECTOR  
Directorate of Onion and Garlic Research,  
Rajgurunagar- 410 505  
Dist : Pune (MS)

Sub: Tender Notice for \_\_\_\_\_

Ref : Your Advt. in \_\_\_\_\_ dt. \_\_\_\_\_

Sir,

With reference to above, I am to collect the said Tender document on behalf of M/s. \_\_\_\_\_ by submitting **Rs.** \_\_\_\_\_ /- vide D.D. No. \_\_\_\_\_ dt. \_\_\_\_\_ towards Tender fee for \_\_\_\_\_.

The receipt of the same may kindly be acknowledged.

Yours faithfully,

Encl: as above



# प्याज एवं लहसुन अनुसंधान निदेशालय

राजगुरुनगर, पुणे-४१०५०५ महाराष्ट्र



दुरभाष-०२१३५ २२२०२६

फैक्स-०२१३५ २२४०५६

ई मेल-director@dogr.res.in



## निविदा दस्तावेज



उपकरणों की निविदा  
2012-2013



## DIRECTORATE OF ONION AND GARLIC RESEARCH

Rajgurunagar, Pune – 410 505, Maharashtra  
Phone (02135) 222026, 222697, Fax (02135) 224056  
Email:director@dogr.res.in



F. No. 15-61/SP/TN/Spill Over-XI Plan/12-13/

05 November 2012

### TENDER NOTICE

The Director, Directorate of Onion and Garlic Research – 410 505, Dist-Pune (MS) invites sealed tenders from reputed firms for the following equipments.

S. No.	Name of Equipment	Qty.
1.	Aqua Shaker	1 No.
2.	Up gradation of existing Gel Doc.	1 No.
3.	Up gradation of HPLC	1 No.
4.	Mini Grinding mill for processing dry plant	1 No.
5.	Open Top Chamber with accessories and Carbon Di-oxide Enrichment Apparatus	4 Nos.
6.	Seed Pelleting Machine	1 No.
7.	Exhibition panel exhibits including LED panel.	2 Nos

Tender forms containing detailed specifications, terms and conditions can be obtained from this office on any working day between 9.30 hrs to 16.30 hrs from **05.11.2012 to 24.11.2012** on payment of Rs.500/- for each item (Non refundable) by D.D./Cash. Tender application forms also available on our website [www.dogr.res.in](http://www.dogr.res.in). A D.D. of Rs.500/- for each item (Non refundable) should be enclosed with application form downloaded from our web site. D.D. should be drawn on State Bank of India, Rajgurunagar branch in favour of “**ICAR Unit DOGR**”, **Rajgurunagar**. Tender must be submitted in original prescribed form separately for each equipment including all levies, taxes, installation etc. along with **EMD** as per prescribed in tender documents, failing which tender is summarily rejected. Any request for blank tender form by post shall not be entertained. **Last Date for submission of tender will be 26.11.2012 up to 13.00 Hrs and tender will be opened on 26.11.2012 at 14.30 Hrs** in case the date of issue/receipt of opening of tender is declared as Holiday for unexpected reasons the tender will issued/received/opened on the next working date at the same time. The tender documents are non-transferable. Director, Directorate of Onion and Garlic Research, Rajgurunagar reserves the right to accept/reject any or all the tenders without assigning any reason thereof. Amendments if any shall be published only on website up to 7 days before the last date of submitting tender and it is also advised to respective bidder to access our website for incorporate amendment if any.

Sd/-  
Administrative Officer



**DIRECTORATE OF ONION AND GARLIC RESEARCH**

Rajgurunagar, Pune – 410 505, Maharashtra  
Phone (02135) 222026, 222697, Fax (02135) 224056  
Email:director@dogr.res.in



**F. No. 15-61/SP/TN/Spill Over-XI Plan/12-13/**

**5 November 2012**

- 1. Issue of tender document on 05.11.2012**
- 2. Last date for issue of tender document on 24.11.2012**
- 3. Acceptance of sealed tenders 1300 hrs on 26.11.2012**
- 4. Opening of tender at 14.30 hrs on 26.11.2012**

**N.B.: Tender should be submitted in two bid system in the manner prescribed in the NIT.**

**Name of the equipment:** \_\_\_\_\_

**Item No. :** \_\_\_\_\_

**TENDER FORM HAS TO BE PURCHASED AND SUBMITTED  
SEPERATELY IN SEALED ENVELOPES.**

To,

M/s. ....

**Sub: Supply of Tender Form - reg.**

Dear Sir,

With reference to your application dated \_\_\_\_\_, please find enclosed herewith tender form along with the detailed specifications receipt \_\_\_\_\_ Dated \_\_\_\_\_ for Rs \_\_\_\_\_ for the supply of equipment.

Kindly acknowledge the receipt of the same.

Yours faithfully,

**Administrative Officer**

**DIRECTORATE OF ONION AND GARLIC RESEARCH, RAJGURUNAGAR**

**INVATATION TO TENDER AND INSTURCTION TO TENDERERS**

**01. NOTE :** - All communication must be addressed to Director, Directorate of Onion and Garlic Research, Rajgurunagar – 410 505 by designation only.

From :

The Director,  
Directorate of Onion and Garlic Research,  
Rajgurunagar- 410 505  
Dist : Pune (MS)

To:-

Dear Sir's,

On behalf of the President of Indian Council of Agricultural Research, New Delhi invites tenders for the purchase of equipments as per Annexure –I , where in the name of the equipment and specifications are mentioned . The condition of contract which will govern any contract made, are those contained in the general conditions of contract, applicable to the contractor placed by the Directorate of Onion and Garlic Research, and the special conditions detailed in the tender form (and those attached in accordance with the requirement stated in the attached schedule) please submit your quotations to this office.

Administrative Officer

**01. EARNEST MONEY:**

Earnest Money should be deposited through Demand Draft drawn on **State Bank of India, Rajgurunagar in favour of `ICAR Unit- DOGR, Rajgurunagar`.**

Amount of Earnest Money to be deposited as under:

S. No.	Name of Equipment	Qty.	EMD (In Rs.)
1.	Aqua Shaker	1 No.	<b>15,000.00</b>
2.	Up gradation of existing Gel Doc.	1 No.	<b>15,000.00</b>
3.	Up gradation of HPLC	1 No.	<b>50,000.00</b>
4.	Mini Grinding mill for processing dry plant	1 No.	<b>15,000.00</b>
5.	Open Top Chamber with accessories and Carbon Dioxide Enrichment Apparatus	4 Nos.	<b>42,500.00</b>
6.	Seed Pelleting Machine	1 No.	<b>25,000.00</b>
7.	Exhibition panel exhibits including LED panel TV.	2 Nos	<b>17,250.00</b>

**In no circumstances, government promissory notes, S. B. Pass Book or cheque received with tender as earnest money will be accepted.**

The tender will not be considered if the D.D. of earnest money is not attached with tender form. No request for transfer of any previous deposit of earnest money will be entertained. EMD exempted to those registered with Central Purchase Organization, National Small Industries Corporation (NSIC) or the concerned Ministry or Department.

It is understood that the tender document has been issued to the tenderer and the tenderer is being permitted to tender in consideration of the stipulation on his part that after submitting his tender he will not deviate from his offer or modify the terms and conditions thereof. Should the tenderer fail to observe and comply with the foregoing stipulation the aforesaid amount of EMD will be forfeited. In the event of the offer made by the tenderers not being accepted, the amount of earnest money deposited by the tenderer shall be refunded.

The earnest money should not on any account fall short of the amount actually required.

**02. PERFORMANCE SECURITY:** Performance Security @ 10 % should deposit by successful bidder irrespective of its registration status etc The Performance security remain valid for a period of sixty days beyond the date of completion of all contractual obligation of the suppliers including warranty obligations.

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**03. PREPARATION OF TENDER:**

- a) The Schedule to the tender form should be returned intact whether you are quoting for any item or not. Pages should not be detached but when items are not being tendered for, the corresponding space should be defaced by some such words as 'Not Quoting'.
- b) In the event of space on the schedule form being insufficient for the required purpose, additional pages may be added. Each such additional page must be numbered consecutively bearing the Tender No. and fully signed by you. In such cases reference to the additional pages must be made in the tender form.
- c) If any modification of the schedule is considered, you should communicate the same by means of a separate letter sent with the tender.

**04. SIGNING THE TENDER:**

- a) The tender is liable to be ignored if complete information is not given therein or if the particulars and data (if any) asked for in the schedule to the tender are not fully filled in. Specific attention must be paid to delivery dates and also to the General conditions of the contract as the contract would be governed by them.
- b) Individually signing the tender or other documents connected with a contract must specify whether he signs as:
  - i) A sole proprietor of the firm or constituted attorney of such sole proprietor.
  - ii) A Partner of firm if it be a partnership, firm in which case he must have authority to refer to arbitration dispute concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney,
  - iii) Constituted attorney of the firm if it is a company.

N.B.

- a) In the case of partnership agreement or general power of attorney, in either case attested by a Notary Public, should be furnished unless the same has been previously furnished to Directorate of Onion and Garlic Research or affidavit on stamped paper of all the partners admitting execution of the partnership agreement or the general power of the attorney should be furnished.
- b) In the case of partnership firms, where no authority to refer dispute concerning the business of the partnership has been conferred on any partner, the tender and all other related documents must be signed by every partner of the firm.
- c) A person signing the Tender form or any documents forming part of the contract on behalf of another shall be deemed to warranty that he has authority to bind such other and if, on enquiry it appears that the person so signing had no authority to do so, the

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purchaser may, without prejudice to other civil and criminal remedies cancel the sale contract and hold the signatory liable for all costs and damages.

- d) Each page of the tender, schedule to tender and annexure, schedule to tender and annexure, if any should be signed by the tenderer.

**05. The following documents copies must be invariably enclosed with the duly filled in the tender as per the terms and conditions of the technical bid/tender document:**

- a) Service tax/Sales tax Registration certification issued by authorized Govt. Dept.
- b) Permanent Account Number (PAN) issued by authourized Govt. Dept.
- c) Name and addresses of their Banker
- d) Last five year continuous experience of the firm in the field of providing such services in of India/reputed public or private organizations. Details to be provided in tabular form in the enclosed proforma.
- e) Balance sheet of last year certified by the Chartered Accountant.
- f) The equipment they possess for the manufacture of stores and for quality control.

**06. DELIVERY OF TENDER:** The original copy of the tender is to be enclosed in a double cover. The inner cover should be sealed. **The outer cover should be superscribed in bold letters “Tender for the supply of .....**” Right is reserved to ignore any tender who fails to comply with the above instructions. All outstation tenders should be sent by registered post only. Only one tender should be included in one cover. Where more than one tender is included in a cover, all tenders so enclosed in one over will be liable to be ignored.

**07. LATEST HOUR FOR RECEIPT OF TENDER:** Unless and otherwise specified in the schedule to Tender, your tender must reach to this office not later than **13.00 p.m.** on the date of opening of the tender. Tenders sent by hand delivery should be put in the Tender Box at this office not later than **13.00 p.m** on the due date i.e. **26.11.2012**.

**08. PERIOD FOR WHICH THE OFFER WILL REMAIN OPEN VALID:** The firms tendering should note that their offer should remain open for acceptance for 90 days from the date of opening of tender. If the firms are unable to keep their offer open for the specified period, their tenders are likely to be rejected. Qualified tenders by such vague and indefinite expression such as “SUBJECT TO IMMEDIATE ACCEPTANCE, ‘SUBJECT TO PRIOR SALE’ WILL NOT BE CONSIDERED.

**09. TERMS OF DELIVERY:** The delivery of equipment’s is required to be completed within 30 days from date of issue of supply order to the store of this centre. If, however, it is not possible effect delivery during the stipulated period you should specify the date by which you can guarantee for delivery and insulation in a prescribed schedule.

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- 10. PACKING:** Unless a method of packing is indicated in the specification or on the schedule to the tender form, the method of packing, which the contractor proposes to adopt, must be described in the schedule to tender form.
- 11. RIGHT OF ACCEPTANCE:** This office does not pledge itself to accept the lowest or any tender and reserves the right of acceptance the whole or any part of tender or portion of the quantity offered. You are at liberty to tender for the whole or any portion or to state in the tender that the rate quoted shall apply only if the entire quantity is taken from you: Acceptance of tender will be communicated within a reasonable time after completion of all official formalities.
- 12.** If an agent in its tender submits quotations on behalf of more than one manufacturer, it is necessary that each such tender is accompanied by a *separate tender form and tender security/EMD for each such quotation* and authorization from the respective Manufacturer.
- 13. PRICES:**
- I.
- (i) The prices quoted **MUST BE PER UNIT SHOWN** in the schedule and must specify separately all packing and delivery charges. Refunds on account of returnable packages (if any) are to be separately specified. Prices and refund must be clearly shown in figures and words in Indian currency or in foreign currency, if it is imported equipment. Please quote the Indian commission agents if the equipment is imported, which will be paid in Indian Rupees after installation of the equipment.. All bank charges outside India will be borne by the tenderer. L.C. amendment charges will be borne by the tenderer.
- (ii) The price must be stated for each item separately. The percentage of reduction, in the total price for the entire demand should also be quoted, and order to that extent be placed with you.
- II.
- (i) If it is decided to ask excise duty, Octroi, sales tax or any other charges as extra, the same must be specifically stated in the absence of any such stipulation it will be presumed that the prices include all such charges and no claim for the same will be entertained.
- (ii) The price quoted by the tenderer should exclusive of sales tax (and should be clearly stated to be so), which will be paid by the purchaser, if legally

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livable at the rate ruling on the date of supply as specified in the Acceptance of Tender.

**Please note DOGR is eligible for payment of custom only at concessional rates and fully exempted from payment of Central Excise Duty as per Govt. Notification No. 51/96-Customs dated 23 July 1996 and No. 10/97-Central Excise dated 01 March 1997 as amended from time to time respectively.**

**14. CUSTOMS DUTY:**

- (i) For imported stores offered against forward delivery, the tenders shall quote price thereto exclusive of custom duty. **The quotation shall specify separately the F.O.B. Price, C.I.F. Price & the custom Duty payable.** They will also indicate correctly the rate of customs duty applicable along with Indian Customers Tariff number.
- (ii) In cases where all the tenders have quoted only for imported stores against forward delivery the tenders will be on prices exclusive of customers duty. In such cases, the amount of Customs duty as legally livable calculated with reference to the tariff value of the stores declared by the tenders in their tender, but not exceeding the actually paid, will be reimbursed to the successful tender.
- (iii) Customs Duty actually paid, not exceeding the amount legally livable, will be provisionally reimbursed to the successful tender to the extent of 90% on production of relevant document (bill of entry etc.) along with advance payment of 90% that may be stipulated in contract provided that the said imported stores are delivered in full or before the date quoted in the contract and accepted by the 'DOGR, Rajgurunagar, Pune ' in case of delay in the delivery thereof, only 90% of the Customs duty as defined above will be subject to final adjustment on satisfactory completion of the supply stipulated in the contract, If is a specific condition of this Tender Inquiry that any increase in customs duty payable or paid by the successful tender due to the delivery of the said imported stores or part thereof alter the date of delivery stipulated in the contract shall not be reimbursed.
- (iv) If the purchaser is of the opinion that the Custom Duty has been wrongly assessed either because of wrong classification or any reason whatsoever, the supplier shall be bound at the request of the purchaser to pursue all legal reediest to challenge that assessment at the suppliers cost. If, as a result of such proceedings a refund is obtained, it shall be deposited forthwith by the supplier with the Director, DOGR, Rajgurunagar, Pune, India.

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**15. TRANSIT INSURANCE:** The purchaser will pay separately for transit insurance, in case of imported equipments only. The supplier will ensure that the entire stores contracted for arrive in good condition at destination. The consignee will, as soon as possible, but not later than 30 days of the date of arrival of stores at destination, notify the supplier of any loss or damage to the stores that may have incurred during transit,

**16. PAYMENT:**

- a) Indian Purchase: 90% Payment will be made after completion of supply as per our requirement, specification and balance 10% payment will be made after completion of installation & demonstration to our satisfaction. In no case advance payment will be made.
- b) Abroad Purchase: i) 90% of the contract price shall be paid through irrevocable letter of credit established in favour of the supplier through the suppliers bank A/c. No in abroad payable on production of shipping document within 21 days of shipment and Balance 10% payment will be made after submission of copy of successful completion of installation and demonstration through our bank to your bank.  
  
ii) 100% of the contract price shall be paid through 'Sight Draft/ T.T./ in favour of the supplier through the suppliers bank A/c. No after completion of supply and installation and demonstration through our bank.

**17. TAXES AND OTHER:** All Govt. dues (i.e. Taxes, Octroi, etc.) will be paid at actual.

**18. TERMS AND CONDITIONS FOR DELIVERY:** The material should bear very clear indicating FOB/FAB/FAC/CIF/FOR, port of export incase imported equipment's, details of opening Letter of Credit etc.

**19. GUARANTEE/ WARRANTY:** The tenders shall furnish along with their quotations the under noted guarantee/ warranty.

- (i) Guarantee that they will supply spare parts if & when required on the agreed basis of or an agreed price. The agreed basis could be an agreed discount on the published catalogues or on agreed percentage of profit on the landed cost.
- (ii) Warranty to the effect that before going out of production for the spare parts they will give adequate advance notice to the purchaser of the equipment so that the latter may undertake the balance of the life requirements.
- (iii) The warranty to the effect that they will make available operation manual (s), the blueprints or drawings of the equipment/spares, if any, when required in connection with the main equipment.

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(iv) The contractor shall furnish the following warranty in case contract is placed on him:-

The contractor/seller hereby declares that the good/store, articles sold to the buyer under this contract shall be of the best quality & workmanship & shall be strictly in accordance with the specification & particulars contained/mentioned in the clause 8 of general conditions of contract applicable to contracts placed by the **Directorate of Onion Garlic Research, Rajpurnagar, Pune** . Under it & sub-clause here & the contractor/seller hereby guarantees that the said goods/stores/articles would continue to confirm to the description & quality aforesaid for a period of one year from the date of delivery of the said goods/stores/articles to the purchaser & that notwithstanding the facts that the Purchaser(Inspector may have inspected and/or approved the said good/stores/articles, if during the aforesaid period of one year the said good/stores/articles be discovered not to confirm to the description quality. On such rejection the good/articles/store will be at the seller's risk & all the provision herein contained relating to rejections of goods etc. shall apply the contractors seller shall if so be called upon to replace within a period as may be extended from time to time by the purchaser in his discretion on an application made thereof by the purchaser & in such an event the above mentioned warranty period shall apply to goods/stores/articles replaced from the date of replacement thereof otherwise the contractor/seller shall pay to the purchaser such damages such damages as may arise by reason of the breach of the condition herein contained. Nothing herein contain prejudice any other right of the purchaser in that behalf this contract or otherwise.

20. **JURISDICTION:** All questions disputes or difference under, out of or in connection with the contract if concluded shall be subject to the exclusive jurisdiction of the Court within the Rajgurunagar jurisdiction.
21. **INSTALLATION AND DEMONSTRATION:** Installation and Demonstration should do within 15 days time after receipt of delivery status. If the agency fails to provide installation and demonstration within stipulated time this directorate will deduct 1% on total amount of material/equipment from your EMD. The agency should do installation and demonstration by trained engineer in free of cost and ensure and certify that material is correct quantity and quality.
22. **TRAINING:** Free of charge to Concern Scientist and his Assistant up to their satisfaction and confident.

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- 23. RESERVATION OF RIGHT TO ORDER ADDITIONAL QUANTITY:** The purchaser reserves the right to place order on the successful tenderer for additional quantity offered by them at the rate quoted. Tenderers are bound to accept order for additional quantity under this clause
- 24. PRE-INSPECTION OF STORES BY THE CONTRACTORES:** In case if a contract placed to you as a result of this tender. You should satisfy yourself that the stores are in accordance with the terms of the contracts and fully confirm to the required specifications carrying out through pre-inspection. Such precaution on your part should minimize the chance of rejection in inspection and the consequence thereof.

FOR AND ON BEHALF OF  
DIRECTORATE OF ONION AND GARLIC RESEACH ,  
Rajgurunagar- 410 505, Distt. Pune (MS)

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DIRECTORATE OF ONION AND GARLIC RESEARCH  
RAJGURUNAGAR, PUNE – 410 505(M.S.)

TENDER NO.

Full name & address of the Tender, in addition to post Box No. if any, should be Quoted in all communications To this office.	1. Contractor's Telegraphic Address _____ 2. Telephone No. _____ 3. Fax No. _____
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To,  
THE DIRECTOR  
Directorate of Onion and Garlic Research,  
Rajgurunagar- 410 505  
Dist : Pune (MS)

Dear Sir,

I/ We hereby offer to supply the stores detailed in the schedule here to or such portion thereof as you may specify in the acceptance of Tender at the price given in the said schedule and agree to hold this offer open till \_\_\_\_\_ I/We shall be bound by a communication of acceptance dispatched within the prescribed time.

I/We understood the instruction to Tenders & Conditions of Contract included in General Conditions of Contract covering contracts placed by the Director, Directorate of Onion and Garlic Research, Rajgurunagar, Pune under if & in the Special Conditions of contract & have thoroughly examined the specification drawing & /or pattern quoted in the schedule thereof & /are fully aware of the nature of the stores of the stores required & my/our offer is to supply stores strictly in accordance with the requirements.

The following pages have been added to & form part of this tender \_\_\_\_\_

**Yours faithfully,**

(SIGNATURE OF TENDERER)

Address \_\_\_\_\_

Signature of witness:

Dated \_\_\_\_\_

Address \_\_\_\_\_

**DIRECTORATE OF ONION AND GARLIC RESEARCH,  
RAGURUNAGAR, PUNE – 410505 (MS)**

**ANNEXURE TO SCHEDULE TO TENDER**

**(To be returned by Bidders as per specification along with the Tender duly completed and Signed)**

<b>S. No.</b>	<b>Name of Equipment &amp; Specification</b>	<b>Qty.</b>
1.	<p><b>Aqua Shaker</b> Tannks and all parts in contact with the bath liquid should be made of high-grade stainless steel. Bright multi-display(LED) having microprocessor technology with PID temperature control. There should be warning mechanism for temperature overshoot and the equipment should provide high temperature stability. An interval tone when the high and low temperature limits are reached. If the liquid in the bath reaches a minimum, a complete shut-down should be effected and a permanent signal tone should sound. Electronic timer for setting the running time. Drain screw for conveniently emptying the bath. Fixed Dry-running protection/safety temperature. Removeable shaking carriage. Shaking frequency adjustable from 20 to 200 rpm shaking frequency indicated on MULTI-DISPLAY (LED) Other Specification: Working temperature range 20... 99.9°C Temperature Control PID Temperature stability <math>\pm 0.2^\circ\text{C}</math> Display LED Display resolution <math>0.1^\circ\text{C}</math> Heater capacity 2000 W Digital interfaces RS232 Bath opening/bath depth (W x L/D)50x 30/18cm Filling volume 8... 20 liters Dimensions (Wx L x H) 70 x 35 x 26cm Weigh 22 kg Ambient temperature 5...40°C Classification according to DIN 12876-11</p>	1 No.

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<p>2.</p>	<p><b>Up gradation of existing Gel Doc. (Under buy back agreement)</b></p> <ul style="list-style-type: none"> <li>• Imaging system should have Automatic capabilities with Application driven, user selected or recalled by a protocol.</li> <li>• Should have 100% repeatability via recallable protocols.</li> <li>• System should have pre-calibrated focus for any zoom settings &amp; sample height.</li> <li>• Should have appropriate dynamic flat fielding correction automatically &amp; consistently applied to image data for every application.</li> <li>• Versatile system to support wide range of applications like – Fluorescent dye like Syber green, syber safe, Western blotting, 2-D, 1-D, Dot Blotting, Nucleic acid detection, Qunatitation etc.</li> <li>• Should have &gt; 2 mega pixel true 12 bit true CCD camera.</li> <li>• Size of transilluminator and the field view is one of the most important criteria for selection of the gel.doc. Max. field view should be quoted.</li> <li>• System should have precalibrated &amp; optimized dynamic image flat fielding.</li> <li>• It should have universal dark hood and should be upgradeable to chemilumnescence.</li> <li>• Should have motorized zoom lens- f/1.2,12-75mm with numerical feedback value to reduce the experimental variation-capable of optimizing, saving and quickly recalling the imaging acquisition settings.</li> <li>• Safe DNA Imaging without UV exposure feaure is a plus</li> <li>• Reproducibly position or center the sample on the image plate by using gel alignment templates.</li> <li>• Should come with 1D analysis software with following features.             <ul style="list-style-type: none"> <li>✓ Single mouse click from image capture to results and reports, very fast and efficient.</li> <li>✓ Should have comprehensive automated quantitative analysis of proteins &amp; DNA samples in seconds</li> <li>✓ Intuitive and well organized (efficient) selection of work flows based on applications</li> <li>✓ 3D viewer option with publication quality images</li> <li>✓ Should calculate precisely continuous focus curves that are consistently and automatically applied for every zoom position and sample height. No user intervention for focusing. All calculations are done at setup, once and for all image captures.</li> </ul> </li> <li>• Should come with suitable computer (Windows 7 Home basic, 64 bit. 4GB RAM, HD 500GB) for capturing, storing and retrieving image database.</li> </ul>	<p>1 No.</p>
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	<p><b>Important:</b> <b>The selected company will have to take the old Biorad Gel Doc System (Gel Doc 2000) for proper disposal as per the international guidelines.</b></p> <p><b>All the quoting companies shall provide a list of clients where they have supplied the instruments and their feedback.</b></p> <p><b>Only reputed companies with appropriate service engineers and other staff based in Pune/Mumbai or nearby places will be entertained. No agent who deals only in selling of the instrument will be entertained.</b></p>	
3.	<p><b>Up gradation of HPLC :</b> <b>(Under buy back agreement)</b></p> <ul style="list-style-type: none"><li>• Completer HPLC set with digital display and following specifications</li><li>• Quaternary pump having pressure capacity 400 to 600 bar, 4-5 channel degassing unit and with columns, connecting capillaries, solvent cabinet, cables etc.</li><li>• Detectors- Refractive index detector, Fluorescence detector and Diode-Array detector with maximum light standard cell 10 mm.</li><li>• Column Oven</li><li>• Auto sampler (should be quoted as accessory)</li><li>• HPLC starter kit</li><li>• HPLC system tool kit</li><li>• The instrument should be equipped with advanced software and with multiple user option.</li><li>• Colour laser-data acquisition syste</li><li>• CE or other equivalent certification is mandatory</li><li>• A compatible UPS for 3hrs back-up with suitable stabilizer should be provided with the system.</li><li>• The system should be able to work at variable temperature ranging from 4 to 45 °C.</li><li>• The instrument should work on standard power supply 220-250V(50/60Hz) with minimum power consumption.</li><li>• Training of user (at least two persons) should be arranged by the supplier free of cost before installation of HPLC system at DOGR.</li><li>• Installation of completer system at DOGR.</li></ul> <p><b>The specification of existing system:</b> Make: Varian Pro-star Detector Fluorescence detector Accessories : Auto sampler (Model410), Pentium IV PC, HP desk jet printer.</p>	1 No.

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4.	<p><b>Mini Grinding mill for processing dry plant samples:</b>  <b>Specification:</b></p> <ul style="list-style-type: none"> <li>• Mini Mill with two stationary steel blades and rotary with steel edges provided in the cast iron chamber.</li> <li>• <b>Working Chamber :</b>  40mm x 20mm  65mm x 25mm  100mm x 50mm</li> <li>• 1 to 25 gram sample volume</li> <li>• Electrical requirement : 220 V</li> </ul>	1 No.
5.	<p><b>Open Top Chamber with accessories and Carbon Di-oxide Enrichment Apparatus:</b>  Open top chamber with the dimension of 3 x 3 x 3m cover with multilayered polycarbonate sheet (80-85% transparent sheet) with accessories and Carbon dioxide enrichment apparatus.</p> <ol style="list-style-type: none"> <li>1. <b>Open Top Chamber:</b>  Polycarbonate sheet 3-4mm  Multilayered structure  One OTC- ambient  Two OTC with Ambient plus CO2 facilities (Control and monitoring)  One OTC-CO2 plus Temp Control and monitoring (with infrared heating system)</li> <li>2. CO2 Gas Cylinders and regulator</li> <li>3. Panel to accommodate analyzer Hardware &amp; computer and other accessories</li> <li>4. OTC controller</li> <li>5. Temp. and humidity sensor with transmitter</li> <li>6. PC for data acquisition platform with printer</li> <li>7. Portable CO2 Monitor</li> <li>8. Photoperiodic Controller/timer</li> <li>9. 8 Channel data scanner</li> </ol>	4 Nos.
6.	<p><b>Seed Pelleting Machine :</b>  <b>Specification :</b></p> <ol style="list-style-type: none"> <li>a) Capacity: 100-2000g/ hour</li> <li>b) Voltage : 220/240V</li> <li>c) Attached drier</li> <li>d) Non Corrosive rust free body</li> <li>e) Motor speed : 500-700rpm</li> <li>f) Adjustable rotors &amp; speed with safety locking system</li> <li>g) Mixing chamber with non corrosive coating</li> <li>h) Prostatic pump with pipe- capacity 0.5- 4000ml</li> </ol> <ul style="list-style-type: none"> <li>• <b>3 year warranty, onsite installation &amp; demonstration the machine must be tested and recommended for onion seed.</b></li> </ul>	1 No.

7.	<b><u>Exhibition panel exhibits including LED panel TV.</u></b> <b>1. Scrolling Display in size : 6ft x 4ft with slides capacity – 6 Nos.</b>  <b>2. LED PANEL TV</b> <b>(LED 3D 55ES6200 OR KDL 55H X 750)</b>	1. - 2 Nos  2. - 1 No.
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**Note: - Vendors are requested to attach the Technical compliance statement with respect to above specification as per Annexure-III**

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**DIRECTORATE OF ONION AND GARLIC RESEARCH,  
RAGURUNAGAR, PUNE – 410505 (MS)**

**ANNEXURE TO SCHEDULE TO TENDER**

**(To be returned by Bidders as per specification along with the Tender duly completed and Signed)**

**Technical Compliance Statement**

<b>S. No.</b>	<b>Specification asked for</b>	<b>Specification Offered.</b>
1.	<p><b>Aqua Shaker</b> Tanks and all parts in contact with the bath liquid should be made of high-grade stainless steel. Bright multi-display(LED) having microprocessor technology with PID temperature control. There should be warning mechanism for temperature overshoot and the equipment should provide high temperature stability. An interval tone when the high and low temperature limits are reached. If the liquid in the bath reaches a minimum, a complete shut-down should be effected and a permanent signal tone should sound. Electronic timer for setting the running time. Drain screw for conveniently emptying the bath. Fixed Dry-running protection/safety temperature. Removeable shaking carriage. Shaking frequency adjustable from 20 to 200 rpm shaking frequency indicated on MULTI-DISPLAY (LED) Other Specification: Working temperature range 20... 99.9°C Temperature Control PID Temperature stability <math>\pm 0.2^\circ\text{C}</math> Display LED Display resolution <math>0.1^\circ\text{C}</math> Heater capacity 2000 W Digital interfaces RS232 Bath opening/bath depth (W x L/D)50x 30/18cm Filling volume 8... 20 liters Dimensions (Wx L x H) 70 x 35 x 26cm Weigh 22 kg Ambient temperature 5...40°C Classification according to DIN 12876-11</p>	

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2.	<p><b>Up gradation of existing Gel Doc. (Under buy back agreement)</b></p> <ul style="list-style-type: none"><li>• Imaging system should have Automatic capabilities with Application driven, user selected or recalled by a protocol.</li><li>• Should have 100% repeatability via recallable protocols.</li><li>• System should have pre-calibrated focus for any zoom settings &amp; sample height.</li><li>• Should have appropriate dynamic flat fielding correction automatically &amp; consistently applied to image data for every application.</li><li>• Versatile system to support wide range of applications like – Fluorescent dye like Syber green, syber safe, Western blotting, 2-D, 1-D, Dot Blotting, Nucleic acid detection, Qunatitation etc.</li><li>• Should have &gt; 2 mega pixel true 12 bit true CCD camera.</li><li>• Size of transilluminator and the field view is one of the most important criteria for selection of the gel.doc. Max. field view should be quoted.</li><li>• System should have precalibrated &amp; optimized dynamic image flat fielding.</li><li>• It should have universal dark hood and should be upgradeable to chemilumnescence.</li><li>• Should have motorized zoom lens- f/1.2,12-75mm with numerical feedback value to reduce the experimental variation-capable of optimizing, saving and quickly recalling the imaging acquisition settings.</li><li>• Safe DNA Imaging without UV exposure feaure is a plus</li></ul>	
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	<ul style="list-style-type: none"><li>• Reproducibly position or center the sample on the image plate by using gel alignment templates.</li><li>• Should come with 1D analysis software with following features.<ul style="list-style-type: none"><li>✓ Single mouse click from image capture to results and reports, very fast and efficient.</li><li>✓ Should have comprehensive automated quantitative analysis of proteins &amp; DNA samples in seconds</li><li>✓ Intuitive and well organized (efficient) selection of work flows based on applications</li><li>✓ 3D viewer option with publication quality images</li><li>✓ Should calculate precisely continuous focus curves that are consistently and automatically applied for every zoom position and sample height. No user intervention for focusing. All calculations are done at setup, once and for all image captures.</li></ul></li><li>• Should come with suitable computer (Windows 7 Home basic, 64 bit. 4GB RAM, HD 500GB) for capturing, storing and retrieving image database.</li></ul> <p><b>Important:</b> <b>The selected company will have to take the old Biorad Gel Doc System (Gel Doc 2000) for proper disposal as per the international guidelines.</b></p> <p><b>All the quoting companies shall provide a list of clients where they have supplied the instruments and their feedback.</b></p>	
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	<p><b>Only reputed companies with appropriate service engineers and other staff based in Pune/Mumbai or nearby places will be entertained. No agent who deals only in selling of the instrument will be entertained.</b></p>	
3.	<p><b>Up gradation of HPLC : (Under buy back agreement)</b></p> <ul style="list-style-type: none"><li>• Completer HPLC set with digital display and following specifications</li><li>• Quaternary pump having pressure capacity 400 to 600 bar, 4-5 channel degassing unit and with columns, connecting capillaries, solvent cabinet, cables etc.</li><li>• Detectors- Refractive index detector, Fluorescence detector and Diode-Array detector with maximum light standard cell 10 mm.</li><li>• Column Oven</li><li>• Auto sampler (should be quoted as accessory)</li><li>• HPLC starter kit</li><li>• HPLC system tool kit</li><li>• The instrument should be equipped with advanced software and with multiple user option.</li><li>• Colour laser-data acquisition syste</li><li>• CE or other equivalent certification is mandatory</li><li>• A compatible UPS for 3hrs back-up with suitable stabilizer should be provided with the system.</li><li>• The system should be able to work at variable temperature ranging from 4 to 45 °C.</li></ul>	

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	<ul style="list-style-type: none"><li>• The instrument should work on standard power supply 220-250V(50/60Hz) with minimum power consumption.</li><li>• Training of user (at least two persons) should be arranged by the supplier free of cost before installation of HPLC system at DOGR.</li><li>• Installation of completer system at DOGR.</li></ul> <p><b>The specification of existing system:</b> Make: Varian Pro-star Detector Fluorescence detector Accessories : Auto sampler (Model410), Pentium IV PC, HP desk jet printer.</p>	
4.	<p><b>Mini Grinding mill for processing dry plant samples:</b> <b>Specification:</b></p> <ul style="list-style-type: none"><li>• Mini Mill with two stationary steel blades and rotary with steel edges provided in the cast iron chamber.</li><li>• <b>Working Chamber :</b> 40mm x 20mm 65mm x 25mm 100mm x 50mm</li><li>• 1 to 25 gram sample volume</li><li>• Electrical requirement : 220 V</li></ul>	



5.	<p><b>Open Top Chamber with accessories and Carbon Di-oxide Enrichment Apparatus:</b></p> <p>Open top chamber with the dimension of 3 x 3 x 3m cover with multilayered polycarbonate sheet (80-85% transparent sheet) with accessories and Carbon dioxide enrichment apparatus.</p> <p><b>10. Open Top Chamber:</b> Polycarbonate sheet 3-4mm Multilayered structure One OTC- ambient Two OTC with Ambient plus CO2 facilities (Control and monitoring) One OTC-CO2 plus Temp Control and monitoring (with infrared heating system)</p> <p>11. CO2 Gas Cylinders and regulator 12. Panel to accommodate analyzer Hardware &amp; computer and other accessories 13. OTC controller 14. Temp. and humidity sensor with transmitter 15. PC for data acquisition platform with printer 16. Portable CO2 Monitor 17. Photoperiodic Controller/timer 18. 8 Channel data scanner</p>	
6.	<p><b>Seed Pelleting Machine :</b> Specification :</p> <ul style="list-style-type: none"><li>i) Capacity: 100-2000g/ hour</li><li>j) Voltage : 220/240V</li><li>k) Attached drier</li><li>l) Non Corrosive rust free body</li><li>m) Motor speed : 500-700rpm</li><li>n) Adjustable rotors &amp; speed with safety locking system</li><li>o) Mixing chamber with non corrosive coating</li><li>p) Peristaltic pump with pipe-capacity 0.5- 4000ml</li></ul> <p>• <b>3 year warranty, onsite installation &amp; demonstration the machine must be tested and recommended for onion seed.</b></p>	

7.	<b><u>Exhibition panel exhibits including LED panel TV.</u></b> <b>1. Scrolling Display in size : 6ft x 4ft with slides capacity – 6 Nos.</b>  <b>2. LED PANEL TV (LED 3D 55ES6200 OR KDL 55H X 750)</b>	
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**Note- Vendors are requested to attach the Technical compliance statement with respect to above specification as per Annexure-III.**

Note :- Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.

An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature / brochures/ manuals should be attached along with this format)

**Please Note:-**

1. Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.
2. Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid.

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