

Tender Document For Purchase of *Seed Testing Laboratory Equipments*

Tender Notice No:-----

Office of District Agriculture Officer,
Krishi Bhawan Campus,
Kanke Road, Ranchi- 834008.

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INFORMATION TO BIDDERS (ITB)

Notice for Inviting Tenders:

Department Name	Department of Agriculture, Animal Husbandry & Co-operative, Jharkhand, Ranchi
Name of Works	Procurement of Seed Testing Laboratory Equipments for Seed Testing Laboratory, Ranchi
Estimated Contract Value	Rs. 33.158lacs
Period	31.3. 2017
Bidding Type	Two stage bid System.
Tender Currency Type	Single (INR)
AMOUNT DETAILS:	
Bid/Tender Document Fee (non refundable)	Bid/Tender Document Fee (non refundable) Rs.2000/- (Rupees Two Thousand only) in the form of non refundable & non transferable Demand Draft
Bid/Tender document fee	In favour of District Agriculture Officer, Ranchi, payable at Ranchi.
Bid security/EMD (INR)	Refer Sl.No. 1-11 of the Table at Page No: 10 for EMD & Para – 15 at Page No: 6 for security deposit of this Tender Document (EMD in the form of Demand Draft)
Bid security in favour of	District Agriculture Officer, Ranchi, payable at Ranchi.
TENDER DATES:	
Tender document available to purchase or download	From the date of publication to 24.09.2016 at 13.00Hrs (IST) (website: sameti.org.in)
Pre Bid Meeting	20.09.2016 at 11:30 Hrs. (IST)
Tender OPENS	From the date of publication.
Tender CLOSES	24.09.2016 17.00Hrs. (IST)
Last Date & Time for Receipt (Physical/by post Submission) of Bids	24.09.2016 at 17.00Hrs. (IST)
Date of Technical Bid opening	26.09.2016 at 11:30 Hrs.
Date of Commercial/Price Bid opening	29.09.2016 at 11:30 Hrs.
Bid validity period	90 Days (from the date of opening of Technical bid)
Submission of Documents	EMD, Tender fee & other relevant documents (see tender document for details) to be submitted/sent to District Agriculture Officer, Krishi Bhawan Campus, Kanke Road, Ranchi-834008. Last by : 24.09.2016 at 17:00 hrs.

NOTE:

1. All Demand Drafts must be drawn on a Nationalized Indian Bank payable at Ranchi.
2. There will be no change to the Deadlines (Tender dates) under any circumstances unless otherwise stated by District Agriculture Officer, Ranchi.

GENERAL TERMS AND CONDITIONS OF TENDER

(1) SUPPLIERS:

The manufacturer's offers as per the terms of this tender and who are selected by **District Agriculture Officer, Ranchi** as approved suppliers will be hereinafter called as "Suppliers".

(2) QUALIFICATION AND ELIGIBILITY OF BIDDER:

- (a) Only reputed manufactures of **Seed Testing Laboratory Equipments** will be eligible.
- (b) The average turn over must be fulfilled by the manufacturer as required in Page No.10
- (c) Submission of other relevant documents as per the Page No: 13 to be submitted with Technical Bid are prerequisites.

Non submission of the documents may attract disqualification from the Tender. Above documents will be accepted physically at the overleaf address as per date and time given.

Commercial/Price bid of only those bidders, who are found acceptable by **District Agriculture Officer, Ranchi** and qualified scrutiny of the Technical bid, will be opened in the presence of such bidders or their authorized representative who wish to remain present at the time and date communicated by **District Agriculture Officer, Ranchi** by a separate letter. Price bid of non qualified Technical bidders shall not be opened.

(3) PURCHASERS:

The marketer (herein after called the Purchaser) shall be making purchase of various items from the suppliers.

- (4)** Parties/manufacturers who have been black-listed will not be eligible to quote against this tender.

(5) PRICES:

Rates should be quoted under Price Bid. The rate must be shown separately. (as in Page No: 26)

- (i) Basic price per No.
- (ii) Central Excise Duty.
- (iii) VAT Tax
- (iv) Delivery FOR **Seed Testing Laboratory, Ranchi**
- (v) Insurance of material will have to be arranged by the Tenderer and also amount to be borne by them.

The prices quoted by suppliers shall remain unchanged during the contract period and the supplier(s) shall not be allowed any price revisions during the period of contract. The suppliers shall have to enter into rate contract with the purchasers. No price revision shall be given during the contract period on account of any increase or implementation of new taxes.

(6) MODE OF SUBMITTING TENDER:

(a) The Bid should be submitted as under: -

(I) Bids (Technical/Price bid) and other tender details must be submitted by hand or by Speed post.

(II) At serial no.(I) mentioned above, required documents along with EMD amount and tender fee to be submitted in sealed cover (refer Page No: 11) at above address as per date and time indicated.

(7) OPENING OF TENDER:

Those who have qualified or found eligible for tender only their Commercial/Price Bid will be opened.

(8) EARNEST MONEY DEPOSIT (E.M.D.):

Tenderers shall submit their offer duly filled in and accompanied by a CROSSED ACCOUNT PAYEE DEMAND DRAFT/PAY ORDER OF Rs. Refer at Page 10 (Rupees 165790.00 only) as Earnest Money Deposit, in favour of **District Agriculture Officer, Ranchi**, payable at **Ranchi**. The amount of EMD shall bear no interest for the period retained by Purchaser (s) and would be refunded to the unsuccessful Tenderer (s) within 30 days from the date of opening of Commercial/Price Bid. Tender without EMD shall not be entertained / considered.

(9) FORFEITURE OF EARNEST MONEY/SECURITY DEPOSIT:

If any Tenderer subsequently withdraws his offer/tender or refuse to supply at offered rate, or makes any modification/alteration unilaterally after opening, shall be subjected to the forfeiture of Earnest Money Deposit.

(10) VALIDITY OF TENDER:

The tender must be valid for a period of at least 90 days (Ninety Days) for acceptance from the date of opening of Technical bid.

(11) ACCEPTANCE OF TENDER:

Purchaser (s) reserves its right to accept / reject any offer / tender either in whole or in part and irrespective of whether it is lowest or not without assigning any reason whatsoever. Purchaser (s) also reserves its right to contract for whole or part of its requirement or for all or any kind or portion thereof at the rates quoted. Purchaser (s) reserves its right to negotiate or seek clarifications before accepting any offer/tender. WHERE NEGOTIATIONS ARE CARRIED OUT, THEN THE PURCHASER (S) HAVE THE RIGHT TO CALL ONLY IST LOWEST PARTY FOR NEGOTIATION.

(12) INCOMPLETE / LATE TENDER:

Tender received late as per scheduled time mentioned, unsealed or without super scribed on the top of the envelope "**TENDER FOR THE SUPPLY OF SEED TESTING LABORATORY EQUIPMENTS**" or without Earnest Money Deposit or incomplete in any other respect, Purchaser (s) reserves its right to reject at its sole discretion. The offer(s) / Tender(s) submitted with any counter condition(s) are liable to be rejected.

(13) NEGOTIATION:

- (a) Only 1st Lowest bidder shall be called for negotiation.
- (b) The bidder called for negotiation can not increase the prices as the negotiations are held for reducing the prices. In case the bidder increases the price during negotiations, their original prices which are lower than the revised prices shall be taken into cognizance.
- (c) If the bidder who is/are called for negotiation does not remain present during negotiations, their original tendered rates shall be taken into cognizance.

(14) SUCCESSFUL BIDDER:

The successful bidder shall be informed about acceptance of offer in writing as well as by email before the date of expiry of offer's validity. The bidder shall be required to return the duplicate of the same within SEVEN DAYS from the date of letter, in token of acceptance, If letter for acceptance does not reach for the reason of incomplete postal address given by the bidder, **District Agriculture Officer, Ranchi** shall not be held liable.

(15) SECURITY DEPOSIT:

The successful bidder/Tenderer shall be required to pay deposit @5% on total basic value of order of Seed Testing Laboratory Equipments.

Earnest Money Deposit of successful bidder would be converted into Security Deposit and balance amount, contractor shall be required to deposit within the specified time limit before issuing the first purchase order of SEED TESTING LABORATORY EQUIPMENTS or balance amount will be deducted from the first invoice raised by manufacturer, as decided by the purchaser at its discretion.

The amount of deposit shall be refunded only after fulfilling the contractual obligations successfully or/and to the entire satisfaction of the purchaser after completion of contract. **District Agriculture Officer, Ranchi** will have right to forfeit the deposit on the difference of price in open market for the reason of non-fulfillment of contractual obligations entered into, after acceptance of offer. **District Agriculture Officer, Ranchi** also reserves its right to terminate the contract by forfeiting the deposit and to make alternate arrangement for procurement of its future requirement.

(16) PURCHASE ORDER:

The successful bidder shall be issued Purchase Order, from time to time for supplies. The

successful party called hereinafter "Contractor" shall make supplies strictly in the terms and conditions, quality and rates from time to time. Supplies will be accepted between 10.00 hrs. and 17.00 hrs only on all working days. No supplies shall be accepted on holidays, unless specific permission / instruction are given by **District Agriculture Officer, Ranchi**.

The total quantity of material supplied by the "Contractor" to **District Agriculture Officer, Ranchi's** option in lots or quantities and from month to month and/or from time to time, in accordance with the instructions for delivery and despatch sent or conveyed by **District Agriculture Officer, Ranchi** to the Contractor as hereinafter stated. It shall be **District Agriculture Officer, Ranchi's** option whether to ask for supplies for a particular month or time or not.

(17) COMMENCEMENT AND COMPLETION OF ORDER:

The contractor shall supply, on receipt of Purchase Order, as per delivery schedule given from time to time. This being a time bound programme, supply schedule should be strictly adhered. The entire order must be completed within the time limit given by **District Agriculture Officer, Ranchi**. The period of contract may be extended for further periods with the mutual consent only.

District Agriculture Officer, Ranchi reserves the right:

- (a) To split the order or to vary quantities to be ordered
- (b) To order part or whole quantity of materials.
- (c) To cancel the order at any time, in case of unsatisfactory / supplies; OR
- (d) To terminate the contract by giving one month's notice.

(18) INSPECTION:

Inspection of quality and quantity may be carried out at the factory premises. **District Agriculture Officer, Ranchi** may appoint/depute . For the reason of inferior quality or not being as per the laid down specifications, **District Agriculture Officer, Ranchi** reserves the right to reject such material party or wholly. The Contractor will have to take back the total rejected quantity at his own risk and cost. After intimation of rejection, the Contractor shall have to remove at his cost the total rejected quantity from **Seed Testing Laboratory, Ranchi's** premises, failing which purchaser shall be in no way responsible for any damage/losses to such rejected stocks.

The production unit of the manufacturing company will be inspected by the committee constituted by the **District Agriculture Officer, Ranchi** to ascertain infrastructure, machinery, internal quality mechanism, man power and production capacity etc. of the company before placing order if required.

(19) GUARANTEE:

All supplies must be guaranteed against manufacturing defects and against unsatisfactory performance for a period of one or more years from the date of supply. During the period of

guarantee, if any of the stipulated guarantee is not attained, i.e. quality, quantity, performance, efficiency, etc. The contractor shall have to replace the defective material as may be required to fulfil the guarantee requirements, free of cost, immediately on receipt of **District Agriculture Officer, Ranchi's** intimation.

(20) PAYMENT:

If possible, payment in full for the material accepted by the Corporation shall be made by Cheque as per terms of our Price Bid of the tender from the receipt of material or from the date of receipt of original invoice, whichever is later, or as agreed upon.

(21) PENALTY /BLACK LISTING:

For breach of any terms and/or any conditions of the contracts, or not supply of ordered material as per delivery schedule given by **District Agriculture Officer, Ranchi** from time to time, **District Agriculture Officer, Ranchi** reserves the right to purchase its requirement from open market at the cost and risk of the Contractor. If **District Agriculture Officer, Ranchi** has to pay higher price for such material at the failure of Contractor, the difference shall be recovered from the Contractor.

If supplies are not made as per stipulated quality/time schedule, supplier will loose eligibility to get next supply order etc. and penalty will be charged maximum 10% for the supply beyond the stipulated time i.e. for the one month delay 2%, two month delay 4%, three month delay 8% and four month delay 10% .The penalty will be imposed on the lot , which is delayed . Penalty charges may be recovered from EMD/SECURITY DEPOSIT accumulated for the selected supplier as decided by the **District Agriculture Officer, Ranchi**. If after acceptance of the tender/offer, if the supplier fails or neglect to supply ordered material, the individual who has sign the tender documents, his firm or any of the firm/company in which he is a partner/proprietor/director shall be black listed for a period of 5 years.

(22) FORCE MAJEURE:

District Agriculture Officer, Ranchi will not, in any way be held liable to make good any loss or damage to supplier, if it is prevented or hindered or delayed in receiving the supplier's material by workers / labourers or transport, riot, civil commotion, accident or work or any unforeseen even at any other cause whatsoever, beyond the control of the **District Agriculture Officer, Ranchi**.

(23) The requirement of material may vary against the estimates provided and shall be acceptable to the supplier.

(24) SUBLETTING:

The contractor shall not be allowed to sublet the work to any other party in part or full unless approved by **District Agriculture Officer, Ranchi**.

(25) DELIVERY DOCUMENTS:

The delivery Challans as well as invoice must carry the reference of **District Agriculture Officer, Ranchi's** order number and date against which supplies are made. Challans and invoices should be submitted in duplicate accompanied by ADVANCE MONEY RECEIPT(S) duly stamped. The supplier (Contractor) shall submit invoices strictly in approved format by the Central Excise Department, to claim MODVAT/Set off.

(26) ARBITRATION AND LEGAL JURISDICTION:

Any dispute arising under the contract shall be subject to the jurisdiction of Ranchi courts only. However, disputes in all matters arising out of related contract, shall be settled by the sole arbitration of **District Agriculture Officer, Ranchi**, and there shall be no excuse that the Arbitrator is an employee of the **Department of Agriculture**. The decision of **District Agriculture Officer, Ranchi** acting as an Arbitrator shall be final and binding on both the parties.

(27) After opening the tenders, **District Agriculture Officer, Ranchi** shall be liberty to follow any of the 2 procedures for award of the tenders.

(a) Finalize the tenders on the basis of the sealed bids without any negotiation.

(b) Call the 1st lowest bidder for negotiation.

It shall be absolute discretion of **District Agriculture Officer, Ranchi** to follow any of the above modes to accept the bids. It shall also be the absolute discretion of **District Agriculture Officer, Ranchi** not to accept any of the bids.

We, M/s _____, have gone through the terms and conditions for the supply of _____ and agree to supply the quantity offered or any part there of, at the rates quoted at Price Bid or agreed thereafter during further negotiations. The supply shall be made as per the terms and conditions of this tender and copy of the same is enclosed herewith duly signed and stamped/sealed by us.

Signature of bidder : _____

Name in Full : _____

Designation/Status : _____

Rubber stamp with Office address : _____

Place : _____

Date : _____

Encl: As above.

SIGNATURE & STAMP OF TENDERER

DETAILS OF EMD, TURNOVER & REQUIRMENT OF Seed Testing Laboratory Equipments.

S No	ITEM	Tentative requirement (Nos.)	EMD (in Rs) In lakhs	Avg Sales Turnover (Rs in Lakhs)
01	ANALYTICAL BALANCE	1	4840	200.00
02	PURITY WORK BOARD	1	360	
03	CABINET SEED GERMINATOR (SINGLE CHAMBER)	2	29680	
04	HOT AIR OVEN (60X60X60)	1	4990	
05	BINOCULAR STEREOSCOPIC MICROSCOPE	1	4530	
06	CONTROLLED SEED STORAGE ROOM	1	107140	
07	DIGITAL TEMPERATURE & HUMIDITY INDICATOR	1	1740	
08	pH METER	1	2440	
09	(a) SEED BLOWER	1	3145	
	(b) DIGITAL MOISTURE METER	1	1440	
	(c) COUNTING BOARD	1	1220	
10	(a) FORCEPS	50	400	
	(b) PETRI DISHES	50	725	
11	Water Distillation Unit	1	3140	
	TOTAL:-	113	165790.00	

SIGNATURE & STAMP OF TENDERER

Submission of the Tender

The Tender should be submitted at the below mentioned address in the envelopes as detailed below:

A} Envelope – 1 - marked as – TECHNICAL BID' (Tender notice No :-----)

Technical Bid Document with the various details regarding experience, financial status, Product data etc (Details of Relevant Documents -Technical Bid-at Page No: 13)

B} Envelope – 2 -marked as – 'EMD for Tender ofSeed Testing LaboratoryEquipments(Tender notice No :-----)

Demand Draft for EMD (Refer Page No. 10) in a cover super scribed as EMD with Tenderers name.

C} Envelope – 3-marked as – 'Tender Fee for Tender of Seed Testing LaboratoryEquipments(Tender Notice No :-----)

Demand Draft for Rs.2000/- towards cost of Tender Form (non refundable) with Tenderers name.

D} Envelope – 4 - marked as – Commercial/Price Bid' (Tender notice No :-----)

Prescribed format on Page No: 25 & 26

All the four envelopes (marked 01, 02, 03& 04) to be put in a 'FIFTH ENVELOPE' marked as BIDS FOR TENDER Seed Testing Laboratory Equipments(Tender Notice No:_____) to be forwarded/sent by Post to the below mentioned address.

(All Demand Draft must be drawn on a Nationalized Indian Bank payable at Ranchi) Bids to be submitted at the below mentioned address:

Office of District Agriculture Officer,
Krishi Bhawan Campus,
Kanke Road, Ranchi- 834008,
Jharkhand.

This office shall not be held responsible for any postal / courier delay in Submission of the tender Document.

District Agriculture Officer, Ranchi reserves the right to accept or reject any or all the tender offers without assigning any reason thereof.

SIGNATURE & STAMP OF TENDERER

TECHNICAL BID

1. Technical bid shall be accepted by physical mode only.
2. Technical Bid opens on : Dt : 26.09.2016 at 11:30 Hrs
3. Venue (Bid opening):

Office of District Agriculture Officer,
Krishi Bhawan Campus,
Kanke Road, Ranchi- 834008,
Jharkhand.

List of Documents to be enclosed with TECHNICAL BID

S No	Document/Certificate	Attached	Your Page No.
1	Certified copy of Income Tax return filed for the last three years	YES/NO	
2	Certified copy of Partnership deed/Memorandum of Articles of Association/Certificate of Incorporation	YES/NO	
3	Letter of Power of Attorney in favour of the person who would deal with District Agriculture Officer, Ranchi.	YES/NO	
4	Sales Tax Registration Certificate/ VAT registration certificate/CST	YES/NO	
5	Excise Registration certificate	YES/NO	
6	Details about sales for the last three years { 2013-14, 2014-15, 2015-16}	YES/NO	
7	Balance Sheet & Profit/Loss account statement for the last three years	YES/NO	
8	Copy of Valid & Active Manufacturing License with date of License obtained under the Factory Act.	YES/NO	
9	List of Users / Customers served/supplied material to	YES/NO	
10	Bidder information document, Tender Form, Undertaking to be submitted by Tenderer (proforma at Page No: 14 to 17)	YES/NO	
11	Test report of the equipments by the competent authority/ISI mark if applicable.	YES/NO	
12	Certified copy of Registration with DGS&D or NSIC (if applicable)	YES/NO	

Note:

1. Hard copies of above mentioned documents need to be attached & submitted with Technical Bid physically (latest by 24.09.2016, at 17:00 Hrs) at **Office of District Agriculture Officer, Krishi Bhawan Campus, Kanke Road, Ranchi-834008.**

SIGNATURE & STAMP OF TENDERER

BIDDER INFORMATION FORM

a) [The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted. This should be done on the **letter head of the firm**]

Date: [insert date (as day, month and year) of Bid Submission]

Tender Notice No.: _____ Page 1 of _____ pages

1. Bidder's Legal Name [insert Bidder's legal name]
2. In case of JV, legal name of each party: [insert legal name of each party in JV]
3. Bidder's actual or intended Country of Registration: _____ [insert actual or intended Country of Registration]
4. Bidder's Year of Registration: [insert Bidder's year of registration]
5. Bidder's Legal Address in Country of Registration: [insert Bidder's legal address in country of registration]
6. Bidder's Authorized Representative Information Name: [insert Authorized Representative's name]
Address: [insert Authorized Representative's Address] Telephone/Fax numbers: [insert Authorized Representative's telephone/fax numbers] Email Address: [insert Authorized Representative's email address]
7. Attached are copies of original documents of: [check the box (es) of the attached original documents]
viz. Articles of Incorporation or Registration of firm named in 1, above.

Signature with seal of Bidder _____

Name _____

TENDER FORM (TECHNICAL BID)

TENDER NOTICE No:

1. Tenderer's Name & _____

full Postal Address: _____

2. Telephone Nos. Office Factory Residence

----- ----- -----

3. Contact person -----

& his mobile No. -----

Fax No. if any -----

4. Permanent Income Tax A/c. No. : _____

5. VAT Registration,
VAT No. & Date, if applicable. : _____

6. Excise Registration No.

7. Central Sales Tax (CST) Registration No. & Date : _____

8. Tender Fees Rs. 2000/- Deposited vide Money Receipt No _____ date _____

9. Details of Earnest Money Deposit: Tenderer has to submit EMD for the product. Demand Draft/Pay
Order No. _____

Date: _____

Amount of Rs. _____

Drawn on: _____

(Name of Bank)

In favour of **District Agriculture Officer, Ranchi** payable at Ranchi.

Tenderer's Full Name & address: _____

Designation/Status: _____

Place: _____

Official Seal With Address:

Date: _____

Bid Form

[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: [insert date (as day, month and year) of Bid Submission]

Tender Notice No.: [insert number given at Page No: 02]

To: [insert complete name of Purchaser]

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda No. (if any): [insert the number and issuing date of each Addenda];

(b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements, the following Goods [insert a brief description of the Goods and Related Services]; b) The total price of our Bid, excluding any discounts offered in item (d) below, is: [Insert the total bid price in words and figures, indicating the various amounts and the respective currencies];

(c) The discounts offered and the methodology for their application is:

Discounts. If our bid is accepted, the following discounts shall apply. [Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]

(d) Our bid shall be valid for the period of time specified in ITB, from the date fixed for the ercial bid submission deadline and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(e) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.

(f) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: [insert signature of person whose name and capacity are shown] In the capacity of [insert legal capacity of person signing the Bid Submission Form]

(g) Name: [insert complete name of person signing the Bid Submission Form] duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

(h) Dated on _____ day of _____, _____ [insert date of signing]

SIGNATURE & STAMP OF TENDERER

VERIFICATION, UNDERTAKING, CHECK LIST & DOCUMENTS

From: M/s. _____

No.: _____

To:

District Agriculture Officer,
Krishi Bhawan Campus,
Kanke Road, Ranchi- 834008,
Jharkhand.

Sub: **Supply of Seed Testing Laboratory Equipments.**

Ref:

Sir,

I/We enclose the priced tender form duly signed. Necessary documents as shown at Page No: 13 are enclosed herewith (in order in which they are mentioned). The rates quoted are as per terms specified in the tender. I/We have carefully read and understood the terms and the conditions stated in the tenders form and I/We shall abide by all these conditions. I/We further endorse that in particular, the terms and conditions of Delivery Period, Payment Terms, Place of Delivery, etc. are acceptable to me/us and no representation will be made by me/us afterwards for altering the same. I/We further undertake to supply the goods to the consignees as per the terms of the A.T.

I/We verify that the copies of the certificates / documents attached herewith are authentic true copies of the original certificates / documents for verification on demand. I/We undertake to supply the attested copies of certificates / documents required at the time of signing the letter of agreement if my/our offer is accepted.

I/We verify that I/We are in possession of the requisite licenses / permits required for the manufacture / supply / sale / distribution of the items and further verify that the said licenses / permits have not been revoked / cancelled by the issuing authorities and are valid as on date. I/We also verify that I/We have not been declared defaulter, blacklisted or debarred by any state or Central Government or Constitutional authority or financial institution or Judicial Court or any Government undertakings.

I/We also take cognizance of the fact that providing misleading or questionable information or failure to furnish correct or true information to you or any other Direct Demand Officer or failure to comply with any contractual requirement laid down by you / them will be considered as a serious breach of the terms and conditions of the tender and will invite disqualification and other penal action as deemed fit by the Government / Purchase Committee, District Agriculture Officer, Krishi Bhawan Campus, Kanke Road, Ranchi- 834008, Jharkhand.

Thanking you,

Yours faithfully

Date:

SIGNATURE & STAMP OF TENDERER

TECHNICAL SPECIFICATION OF LABORATORY EQUIPMENT ON TURNKEY BASIS

1. ANALYTICAL BALANCE

Capacity	: 220g
Readability	: 1mg
Repeatability	: 1mg
Stability time	: 2sec to 3 sec
Operating temp.	: + 10° to 40°C

Fully digital calibration with internal calibration

2. PURITY WORK BOARD

Size	: 50 cm x 28 cm x 10 cm (Made of teak for longer life)
Drawer Capacity	: 930 cc (approx.)
Supply	: 220 V AC
Diaphanoscope	: Light below the rectangular 11" x 6" opal glass makes a handy diaphanoscope.
Magnifying glass	: Fitted with a magnifying glass covering the entire surface of opal glass.

3. CABINET SEED GERMINATOR (SINGLE CHAMBER)

No. of Chamber	: One (heating & cooling)
Capacity	: 10 cuft. (Approximately)
Chamber Size	: 550mm x 550mm x 950mm (L x W x H)Approx.
Inside Chamber	: Stainless Steel Grade 304
Outside Chamber	: Painted Steel of 20 SWG
Display	: 2 x 16 characters LCD display with backlit
Lights	: 02 lights for lighting.
Light levels	: Off, 50% & 100%.
No of trays	: 3 adjustable SS (Wiremesh) trays. Tray size 530mm x 530mm.
Humidity	: Natural humidity with Ultrasonic Humidifier. 50% to 90% as per Psychometric Chart.

Water Purifier	: To provide purified water to Ultrasonic Humidifier.
Temperature	: 10°C to 50°C±1°C.
Compressor	: Hermetically sealed type of standard make.
Electronics	: Microcontroller based, digital display of temperature & humidity.
Interface	: RS232 Port.
Operating voltage	: 220V, 50Hz AC±10%
Door Panel	: For fitting of all Electronic Circuits and control panel so that maintenance is easy and control panel is at a convenient.
Accessories	: online UPS 3KVA with 20min Backup.

4. HOT AIR OVEN (60X60X60)

Outer Chamber	: Painted Steel
Inner Chamber Size	: 60x60x60cm made of Stainless Steel
Temperature Range	: Ambient to 150 ° C ± 1 ° C.
Electronics	: Micro controller based digital display of temperature.
Display	: 2x16 character alphanumeric LCD display with backlit.
Operating Voltage	: 230V, 50Hz AC. ± 10%

5. BINOCULAR STEREOSCOPIIC MICROSCOPE

Eyepiece Total Magnification	: 0.7X-4.5X
Eyepiece	: 10 X Eyepiece field is extra wide and clear.
Eyepiece Tubes	: The binocular Eyepiece tubes are inclined at 45° and can be rotated at 360°.
Inter papillary distance	: 53-75 mm.
Anti-midlew	: Anti-midlew is installed in binocular to extend the life of instrument.
Antifungal Treatment	: All optics are antifungal Treated

6. SEED STORAGE ROOM

Installation site	: Shall be provided by the customer.
-------------------	--------------------------------------

Proposed room size	: Proposal should be as per actual site layout of 10ft. x 10ft. x 12ft. (Int. Dim.)with Anti Chamber
No. of rooms	: 01 no
Installation	: At Site
Product to be tested	: Seeds
Insulation of room	: Bitumen coat over plastered masonry or RCC. Polythene sheet (500 micron). Providing &fixing 24 G .G.I. Channel at 1 m x 0.5 m distance to make a grid. Providing &fixing 50 mm thick thermocole sheet of 16 - 18 kg/m ³ density ,With the help of Cold adhesive CPRX compound and staggering all joints. Covering with Non asbestos cement sheet with help of self tapping screws. Fixing of floor tiles over insulated floor. Fitting of Air Lock type insulated doors.
Insulated Door specification	: The insulated Door 50mm thick consist 16 Guage mild steel sheet on MS framework filling 50mm thick Thermo Cole of 16 Kg/M ³ density inside the cavity including 50mm ISMC, CHOKAT, with 3mm thick rubber sheet. The same are completed with heavy Hinges, handle including metal primer.
Ambient temp. for design of	: +45 Deg.C refrigeration system
Room Temp. Range	: 10-15 Deg.C
Relative humidity	: Ambient to 40-50%RH As per psychometric chart
Cooling unit	: Refrigeration unit complete with condensing unit, evaporating unit & control panel with following features: Evaporator Stainless Steel body (SS 304) with enhanced durability & strength. Superior heat transfer with Inner grooved cooper tubes. Air Defrosting with 6 FPI coil Condenser Precharged unit with service valves and adequate Safety & control devices for better system protection.
Heating Unit	: Heating Blowers
Humidifier	: Rotating disc-Splash blade type Humidifiers of adequate capacity
Dehumidifier	: Solid Dessicant wheel type.

Differential	: Micro controller based temperature, relative humidity and Control System light level controller with Differential Control should be provided outside the room.
Panel Switches	: Large rugged & durable switches with silver plated contacts
Programming	: User friendly programming for temperature, humidity and light level with time step.
Programme Lock	: Physical Key type.
Display	: 16 X 2 Line Alphanumeric LCD Display showing the programmed parameters and process parameters.
Data Logging	: Facility to record data and storage capacity of 1000 readings.
Watch Dog Timer	: To prevent malfunctioning of electronics due to surge in electricity Protection
Alarm	: Audio Visual Alarm for Temperature and Humidity deviation
Connectivity	: RS 485 Port for connectivity upto 500 Mtrs and Bluetooth connectivity
Electrical supply required	: 415V/3 phase/50 HZ

ADDITIONAL GERMINATION RACKS

Racks Size : 3'x1.5'x6.5'.

Qty per room : 04 no's.

Material : Rust Proof Stainless Steel (304 Grade).

No. of Shelves : 5 Adjustable.

Lights : Fluorescent Tubes/LED Tubes

7. DIGITAL TEMPERATURE & HUMIDITY INDICATOR

SALIENT FEATURES:

- Display temperature humidity & time alarm simultaneously
- Recording the data of Min/Max measuring value with time stamp for 12 months.
- Reading indicated in °C and °F unit selectable.
- Desktop placing or wall mounting
- 16x2 line LCD display with switch selectable backlit.
- Low power consumptions & high stability & accuracy.

- Power : 220 V 50 CPS AC supply and having Inbuilt rechargeable Li - ion battery

SPECIFICATION:

HUMIDITY

- Range : 5% to 95% RH
- Resolution : 0.1% RH
- Accuracy : ±3.5% RH at 25°C

TEMPERATURE :

- Range : -40°C to +60°C
- Resolution : 0.1°C
- Accuracy : ±1°C at 25°C

8. pH METER

The instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility. The system has user friendly prompts, which guide you throughout the measurement process

Parameter	pH	mv	Temp
Range	0 to 14.00pH	0 to 1999.9mv	0 to 100°C
Resolution	0.01pH	0.1mv	0.1°C
Accuracy	±0.01pH±1digit	±0.1mv±1digit	±0.1°C

- Temp. Compensation : 0 to 100°C (Auto/Manual)
- Calibration : Auto \ Manual
- Auto buffer : 4.00, 7.00 & 9.20 pH
- Read out : 16 x 2 line alphanumeric LCD display with backlit
- Storage : Up to 90 samples
- Printer attachment : Provision for any dot-matrix printer with centronic interface
- Keyboard : 8 keys, soft touch membrane type
- Power : 230v ± 10% AC, 50 Hz

9 (a) SEED BLOWER

- Operation : Purity testing, docking and cleaning of the grain/seed samples.
- Separation : separation by accurately controlling the upward airflow through a transparent plastic column
- Material : Balanced suitable blower fitted on the table, which is made of seasoned wood

Size	: 48 x 56 x 86 cm. (approx.) without tubes
Operating Voltage	: 220V, 50 Hz, AC
Small Tube Set	: 7.6cm dia x 93cm length (approx.) and 4.5cmdia x 93cm length (approx.)
Large tube set	: 10cm dia x 93 cm height (approx.)
Portability	: fitted with castor wheels for portability.

9 (b) DIGITAL MOISTURE METER

Body	: Made of Steel
Test cup	: Stainless steel Test Cup Visible while giving pressure.
Ratchet Handle	: Ratchet Handle made of Stainless Steel.
Interface	: Recorded data can be transferred to PC through RS 232 Port. And Blue tooth connectivity provided.
Weight	: 10-12 Kg Approx.
Data Logging	: Can record temperature and moisture at various date & time.
Size (LxBxH in cm)	: 28cm x 17.5cm x 24cm Approx.
Data Storage Capacity	: It has memory of 200 readings.
Range	: 3.5 to 40%
Consistency	: ± 0.2 %
Re – calibration with oven	: Can be done on all commodities independently.
Minimum sample of grain	: More than 30 cubic centimetre
Principle of Measurement	: Based on Resistance
Display	: 2 x16 character alphanumeric LCD display.
Keypad	: 09 Keys Membrane keypad .
Temperature compensation	: Automatic with PT 100 Temperature sensor
Averaging	: It can have average of no. of readings and last reading recall facility
Power	: 9 V DC, operated, 230V, 50Hz or 6 dry cells.

9 (c) COUNTING BOARD

Size of the board	: 38 cm x 23 cm x 2.5 cm (LxBxH)
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Perforation sizes : Standard for Peas.

No. of Counting Holes : 100 holes

10. (a) FORCEPS

Length : 10 cm

10 (b) PETRI DISHES

Plastic plates with lid

Diameter : 10 cm

11. Water Distillation Unit

Designed for reliable continuous operation incorporating a host of features unmatched by comparable stills. It is easy to use, safe to operate, thoroughly reliable and above all low cost. A borosilicate glass boiler with heating element.

Distillate Quality

Ideal for general laboratory use - capable of producing pyrogen free water.

Output : 4 litre/hour

Conductivity (Using raw water) : 3.0 - 4.0 ms/cm

Conductivity (Using Treated water) : 1.5 - 2.0 ms/cm

PH : 5.5 - 6.0

Distillate Quality : Pyrogen free

Supply : Main 220/240 V, 50/60 Hz

Filtered water shall be used

COMMERCIAL/PRICE BID

1. Price bids shall be submitted by hand or by Speed post latest by 24/09/2016, at 17:00 Hrs. No other mode of submission shall be acceptable.
2. Price Bid opens on: Dt : 29.09.2016 at 11:30 Hrs
3. Venue (Bid opening):
Office of District Agriculture Officer,
Krishi Bhawan Campus,
Kanke Road, Ranchi- 834008,
Jharkhand.
4. Commercial Bid contains the price to be quoted by prospective supplier on a FOR Seed Testing Laboratory, Ranchi (any place in the state) basis.

SIGNATURE & STAMP OF TENDERER

Tender Form (Commercial/Price Bid)

NAME OF PRODUCT :

ESTIMATED REQUIREMENT :

PERIOD : up to 31.03.2017.

PAYMENT : Within 30 Days (from the Date of Supply)

TABLE 03:

S No	Particulars	PER NO.
01	Basic Rate of the equipment (Rs/no)	
02	Excise Duty @ _____% (with surcharge)	
03	CST/ST/VAT Tax @..... %	
04	Total Price (Rs/no.)	
05	Despatch Time after receipt of order	

NOTE:

- 1) **PAYMENT:** Price is to be quoted on **PER NO.** basis for Credit Period mentioned above.
- 2) **DELIVERY:** Price is to be quoted on **F.O.R Destinations with UNLOADING Charges**
- 3) No additional payment will be made for any increase in VAT/CST submitting offer during the period of this Contract.
- 4) Any excess levy required to pay by **District Agriculture Officer, Ranchi.** will be recovered from manufacturers/bidder.
- 5) No Delay in supply shall be accepted for the ordered quantity & may invite Penalty for Delay in supply as decided by the purchaser.
- 6) The total price (Rupees per no.) will be considered for comparison of rates.
- 7) The suppliers shall print/affix a permanent sticker on the container stating that "ONLY FOR GOVERNMENT/DEPARTMENT PROGRAMME" in bold letters.

Name of Company: _____

DATE :Signature:

PLACE :Office Seal: