



**THE MADHYA PRADESH STATE AGRO INDUSTRIES
DEVELOPMENT CORPORATION LIMITED.
IIIrd FLOOR, PANCHANAN BHAVAN, MALVIYA NAGAR, BHOPAL
(State Government Undertaking)**

TENDER NO.:HO/HORTI/SEED TEST LAB/2025 - 26/3750 DATED-04.02.26

**TENDER DOCUMENT FOR
SUPPLY, INSTALLATION, COMMISSIONING AND TRIAL RUN ON
TURNKEY BASIS
OF VARIOUS LABORATORY EQUIPMENT, INSTRUMENT, MACHINERY
LABORATORY WARES UNDER
SEED TESTING LABORATORY IN KANHASAIYA, BHOPAL.**

(As per approval under PM- RKVY Year 2025 - 26)

Estimated Cost : Rs 75.00 lakhs

**DATE OF PUBLICATION : 05.02.2026
DUE DATE OF OPENING : 26.02.2026**



THE M.P. STATE AGRO IND. DEV. CORPN. Ltd,
IIIrd Floor, Panchanan Building, Malviya Nagar, Bhopal.
(A State Government Undertaking)
GSTN - 23AACCM0330Q1ZM
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“NOTICE INVITING TENDER”

HO / HORTI/ SEED TEST LAB / 2025 - 26 /3750

DATED - 04.02.26

N.I.T.

On behalf of Directorate of Horticulture and Food Processing, online e-tender in prescribed document from eligible parties are invited for supply of Seed Testing Laboratory Equipments in toto on Turn Key Basis upto 26.02.2026 by 3.00 pm along with online deposit of earnest money. The detailed e-tender and other information can be seen at www.mpagro.org.in and www.mptenders.gov.in however participation is to be made through www.mptenders.gov.in only. Corrigendum will be published in these websites only. The Managing Director of the Corporation reserves the right to amend / reject terms and conditions or the tenders without assigning any reason thereof.

MANAGER (HORTICULTURE)

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MEANING OF WORDS

1. “Corporation” means the MP State Agro Industries Development Corporation Ltd as implementation agency of Department of Horticulture and Food Processing.
2. “Bidder/ Offerer” means the firm submitting its tender in response to this e-Tender.
3. “Supplier” means the Bidder whose bid has been accepted and with whom an Agreement is executed.
4. “Work Order” means the order placed by the Corporation for supply to Consignee which may be Department of Horticulture or other Governmental Departments or Organisations or Offices.
5. “Infrastructures” means the equipment, installations, works as listed in the Technical Specifications (**Annexure-9**).
6. “Department of Horticulture” means Directorate of Horticulture & Food Processing, Government of Madhya Pradesh, VIth floor, Vindhayanchal Bhavan, Bhopal and its offices in Madhya Pradesh or Beneficiary / Consignee.
7. “Turn-Key Basis” means supply, installation, commissioning, training & handing over of full system to Department of Horticulture.
8. “EMD” means Earnest Money Deposit.
9. “SD” means Security Deposit.
10. “PM-RKVY” means Pradhan Mantri – Rashtriya Krishi Vikas Yojana.
11. “Site” means Seed Testing Laboratory at kanhasaiya, Bhopal or other ordered places.
12. “Commissioning/ trial run” means successful testing and acceptance of system by the Department.

1 DISCLAIMER

Although adequate care has been taken while drafting this tender document, the Corporation takes no responsibility for any error/ omission in the document. The bidders are advised to examine all contents of the document carefully. In case of any doubt, for ergonomic execution of entire works the bidder may submit their query or suggestion in writing, in the pre-bid meeting. The Managing Director of the Corporation reserves the right to make amendments in the clauses, reject any or all tenders without assigning any reason.

2 E-TENDER PROCESS

- a) The tender is invited through state e-procurement portal www.mptenders.gov.in
- b) The tender document can be downloaded online.
- c) The bidders must submit Technical & Financial bids online in the respective portals on or before the last date & time.
- d) Hard copies will not be accepted unless otherwise asked by this office.
- e) Tender fee, EMD etc. should be paid online.
- f) The opening and evaluation of the tender will be in two parts as "Technical bid" and Financial bid.
- g) The technical bid offers will be scrutinized for confirming eligibility. Non-eligible offers will be rejected. The financial bid of eligible offer will be opened. Financial bid will be opened only after the completion of the official procedure on technical bid.
- h) The contract will be awarded to the lowest responsive bidder (L1) subject to acceptance and approval by this office.

3 PROLOGUE

On behalf of the Directorate of Horticulture and Food Processing, the Corporation seeks to supply Seed Testing Laboratory Equipments" On Turn Key Basis to Horticulture farm at Kanhasaiya, Bhopal under PM-RKVY (2025–26) Scheme. The project aims to adopt Seed (Control) Order, 1983, the Seed Act 1966 and Seed Rule 1968 empowering State Government to establish seed testing laboratory at site and accordingly Selection of equipments are made to permit efficient handling works as prescribed by Central Seed Testing Laboratory, National Seed Research and Training Center, Varanasi.

The e-tender invites eligible suppliers to execute the Supply, Installation, Test (where ever needed) and Commissioning (SITC) on a turn-key basis, including training, maintenance under warranty. Firms would comply with this prologue

4 OBJECTIVE :

The main aim and objective of seed testing laboratory is to evaluate quality of seeds by way of assessing the seeds germination capacity and purity, Identifying quality issues and their causes, establishing quality standards by ensuring seed meets required standards, providing information on seed quality to producers, consumers and seed industry resulting to ensure cultivator have reliable supply of good quality seed through accurate and reproducible results with respect to the quality status of the seed sample submitted to the seed testing laboratories. Firms would comply with this objective.

5 SCOPE OF WORK

The scope covers supply of materials, installation, commissioning on turn key basis. The toto works shall be in fidelity with the tender objective and specification and or the time to time written instructions given by the Directorate of Horticulture and Food Processing. The activity includes to comply the Objectives through supply of qualitative equipments / machineries from reputed brands. Firms would comply with this scope of work.

6 EXPECTATION FROM THE OFFERER :-

In the context before quoting the bid the offerer is expected to visit and inspect the site in presence of the staff of the Horticulture Department and or staff of the Corporation of any working day and time. Similarly the offerer is expected to meet and clarify their doubts from the officials of Directorate of Horticulture and Food Processing and or Corporation. All supplies, installation shall be of good quality typical to comply to the objective and coordinately smooth running of the Seed Testing Laboratory. Firms would comply with this expectation.

7. SCHEDULE OF TENDER :-

The Tender Document (TENDER) is invited under e- tender system. Bidding process will have following steps:

S.no	PARTICULARS	DISCRIPTIONS
1	Tender Document Fee (including GST)	Rs. 11,800/- (shall be paid online)
2	Date and time of start of purchase of Tender Document and or start of submission of Technical/ Financial Bids	10:30 AM ON 05.02.2026
3	Pre bid meeting	3.00 pm ON 16.02.2026
4	Last Date and time of purchase of online Bid	3:00 pm ON 26.02.2026
5	Last Date and time of submission of online Bid	Up-to 3:00 PM ON 26.02.2026
6	Date and time of opening Technical Bids.	5:00 PM ON 26.02.2026
7	Date and time of opening of Financial Bids.	Will be displayed on website, only after finalizing technical bids.

Note :-

- (i) The firms The detailed e-tender and other information can be seen at www.mpagro.org.in and participation is to be made through www.mptenders.gov.in.
- (ii) Financial bids of only those tenderer will be opened, who will qualify the technical bid.

IMPORTANT:

- 01. THE TENDERERS WHO WISH TO PARTICIPATE IN THE E-TENDER SHOULD NECESSARILY SUBMIT TENDER DOCUMENT FEES THROUGH E-PAYMENT OF **Rs 11,800/-** (NO EXEMPTION IS ALLOWED TO ANY OFFERER/ BIDDER).
- 02. ALL PAGES OF THIS TENDER PAGE NO **1 TO 30** ARE TO BE SIGNED BY THE TENDERERS.
- 03. **ANNEXURE 10** IS FORMAT OF FINANCIAL BID, WHICH IS TO BE FILLED ONLINE ONLY.
- 04. EMD FOR THE WORKS IS **Rs 3,00,000/-**.
- 05. FOR MSME OF THE STATE, EMD IS WAIVED OFF, HOWEVER FOR SUCH FIRMS SECURITY DEPOSIT @2% SHALL HAVE TO BE SUBMITTED AT THE TIME OF EXECUTION OF AGREEMENT AND THE AMOUNT OF EMD (**Rs 3,00,000/-**) SHALL BE WITHHELD FROM THE BILLED AMOUNT OF THE SUPPLIER OR EXECUTOR BY THE CORPORATION UNTIL THE SUCCESSFUL COMPLETION OF WARRANTEE PERIOD.

GENERAL TERMS & CONDITIONS

These General Terms & Conditions forms an integral part of the Tender Document. The Bidder shall carefully read and comply with all requirements in the objectives. Submission of tender implies full acceptance of all terms and conditions.

1. Submission of Tender :-

- 1.1 The tender shall be submitted online only through the e-procurement portal: www.mptenders.gov.in all uploaded documents required for ascertaining eligibility shall be signed with seal of the firm.
- 1.2 Any tender submitted by any other mode shall be rejected.
- 1.3 The Bidder must upload all required documents clearly readable, blurred documents shall lead to rejection.
- 1.4 Conditional or incomplete tenders will not be accepted.
- 1.5 The tender is non transferable.
- 1.6 In Prebid meeting, written suggestion within the scope of tender are invited from firms which would be officially scrutinized for its significance and if found suitable by the Managing Director of the Corporation then only it can be incorporated as one of the clause in the form of Corrigendum, such Amendments in form of Corrigendum will be published only on said website only.

2. Tender Fee & EMD :-

- 2.1 Tender document fee is non-refundable amounting to Rs 11,800/- and is to be paid online mode only.
- 2.2 EMD must be deposited through online mode only.
- 2.3 Tenders without EMD shall be rejected.
- 2.4 EMD of un-successful bidders will be auto - online refunded to their transaction account from the portal www.mptenders.gov.in. such EMD does not come to the account of Corporation. After the finalisation of rate in the tender and after completion of official procedure, the EMD of the Successful Offerer (ie supplier) is deposited in the account of Corporation.
- 2.5 EMD of successful bidder shall be with-holed by the Corporation upto the successful completion of warrantee period and in case of no dispute will be refunded to the Supplier without interest.
- 2.6 No interest shall be paid on the EMD submitted in the Corporation.
- 2.7 EMD will be returned on receipt of request application from the Supplier mentioning tender number its date, provided that total transaction being successfully completed without any dues on the Supplier.
- 2.8 The EMD shall be forfeited in following circumstances :-
 - (i) Fails to execute the agreement within the given time period.
 - (ii) Breaches any terms and conditions of the tender document and agreement.
 - (iii) Fails to comply with the objective of the work.
 - (iv) Submits false documents.
 - (v) Engages in mal practice in qualitative works as well as in financial transactions.
 - (vi) If party withdraws their offer in part or in toto after opening of the technical bid of the e-tender or during the period of award of contract or up-to the successful completion of warrantee period.
 - (vii) If the Supplier breaches any of all clauses of the tender document and agreement.
- 2.9 E.M.D for works is **Rs 3,00,000/-**
- 2.10 For MSME of the state, EMD is waived off, however for such firms Security Deposit @2% shall have to be submitted at the time of execution of agreement and the amount of **EMD (Rs 3,00,000/-)** shall be withheld from the billed amount of the Supplier or executor by the Corporation until the successful completion of warrantee period.

3. Security Deposit (SD) :-

- 3.1 2 percent Security Deposit of the billed amount will be held by the Corporation from the payment of the bill.
- 3.2 S.D. shall remain with the Corporation till completion of warranty period.
- 3.3 S.D. will be paid on the successful completion of the warranty period and in case of no dispute will be paid to the Supplier.
- 3.4 No interest shall be paid to the Supplier on S.D.
- 3.5 for MSME of the state, EMD is waived off, however for such firms security deposit @2% shall have to be submitted at the time of execution of agreement and the amount of EMD (Rs 3,00,000/-) shall be withheld from the billed amount of the supplier or executor by the Corporation until the successful completion of warranty period.

4. Validity of Tender :-

- 4.1 The bid shall remain valid for **90 days** from the date of opening of financial bid.
- 4.2 The Managing Director of the Corporation reserves the right to extend the validity of tender.

5. Quoting of Rates :-

- 5.1 GST (Goods & Services Tax)
- 5.2 Applicable GST shall be charged as per prevailing Government of India rates.
- 5.3 The Bidder must clearly mention the GST percentage (%) in the Financial Bid.
- 5.4 GST amount shall be shown separately and shall not be merged with the base price.
- 5.5 GST will be payable only on issuing valid tax invoice issued by the Supplier.
- 5.6 Any change in GST rate (increase/ decrease) shall be applicable at the time of billing as per statutory norms.
- 5.7 Firms shall quote rates as per the **clause number 11** (technical specification) and the Scope of work (**Annexure - 1**).
- 5.8 Firms shall quote rates which shall include 5% Corporation margin, FOR destination, inclusive of supply, installation, Test (where ever needed), commissioning and trial run on turnkey basis in toto.
- 5.9 All items in the tender shall be quoted collectively as a group. Bidder must submit quotation for all items, partial bids will not be accepted.
- 5.10 Offerers for quoted items shall produce distributorship or dealership certificate in favor of the Corporation on the letterhead of the principal manufacturer.
- 5.11 Tenderer shall give a lowest per unit price free from all escalation, any request for increase in price will not be accepted.
- 5.12 For the purpose of comparison and evaluation of bids the tenderer's are required to quote their rate item wise and unit wise. Rate are invited per unit wise in the tender.

6. Acceptance / Rejection of Tender :-

- 6.1 The Managing Director of the Corporation reserves absolute right to accept or reject any tender wholly or partially without assigning any reason.
- 6.2 No claim shall lie against the Corporation in case of such rejection.
- 6.3 If rate received is not reasonable then on recommendation of committee, the Managing Director of the Corporation may decide to give counter offer of the rates decided by the Corporation to L-1 offerer. In Case the L-1 offerer does not agree on counter offer rates, the Corporation may decide to give counter offer to L-2 offerer.
- 6.4 The Counter offer will be issued by the Corporation only to those offerers whose offered rates are within the limit of L1+15% (lowest rate received +15%)

7. Responsibility of Supplier :-

- 7.1 Shall Supply, Install, Test (where ever needed), Commission (SITC) and trial run the items listed under the tender. Preference shall be given to the ISI marked accessories / equipment / machineries only.
- 7.2 Shall comply to all the guidelines and safety in fidelity with the applicable government rules. Corporation and Department of Horticulture shall not be responsible for any accidents during the entire works. The Supplier shall ensure insurance of all things / equipments or machinery and worker.
- 7.3 Shall provide test certificate where ever needed as per the government rules. Similarly the supplier shall acquire all such licenses, insurances, and permissions needed for completion of the works and contract.
- 7.4 Shall provide the working manual of the equipments and electrical fittings.
- 7.2 On completion of the works the Supplier shall perform trial run in presence of committee and provide training to the staff of the Horticulture Department for one week thorough training along with trouble shooting guideline, manuals, and shall ensure the smooth operations of the works during warranty.
- 7.3 All civil/ electrical/ fitting works required for installation shall be arranged by the supplier.
- 7.4 The Department of Horticulture may take suitable necessary action in providing working environment during the completion of the works and warrantee period.
- 7.5 Supplier shall be responsible for safe custody of its works, materials, tools, accessories, equipments/ machineries etc. In any such matter, Corporation and Department of Horticulture shall not be responsible, therefore the supplier shall ensure insurance of things or worker.
- 7.6 In case of unfortunate disaster beyond human control the Supplier shall begin the works on normalization of the conditions. In such case no penalties shall be imposed by the Corporation as well as Department of Horticulture. No responsibility of supplied items by the Supplier will be taken by Corporation or the Department of Horticulture.
- 7.7 The material found substandard or not confirming to the quality such material shall be taken back and replaced by new qualitative brand by the supplier at their own cost, in such case Corporation as well as Department of Horticulture shall not be responsible for financial or physical loss. If Corporation feels that material supplied is not as per the quality parameters/ specifications as mentioned in the tender document/ in supply order then, Corporation can decide to get it tested from the any government/ BIS laboratories or laboratories accredited by NABL (National Accreditation Board for Testing and Calibration Laboratories) at the risk and cost of the Supplier and if not found of good quality the Corporation has the right to refuse the substandard machinery or part.
- 7.8 After the execution of the agreement and during the contract period, if Corporation feels so, can place work order of such items to get installed and commissioned in any place in Madhya Pradesh.
- 7.9 In the geographical area of Madhya Pradesh the supplier, shall not sell such items or works at lower price than is approved in the tender. If it is found from any means that the Supplier had sold such items or works in Madhya Pradesh then in such condition the payment of bill will be reduced accordingly and payment shall be made as per the lower price on which the supplier has sold such items in Madhya Pradesh.
- 7.10 In case, the supplies are delayed by the supplier and financial loss is caused to the Corporation or Department of Horticulture due to such delay, the supplier will be made responsible, and accordingly the recovery of the loss of amount will be made from any amount of the supplier lying with the Corporation. The amount to be recovered will be decided by the Managing Director of the Corporation and it would be binding on the supplier.
- 7.11 The supplier shall unconditionally maintain "healthy and transparent business / works relation" during the entire completion of the contract.

- 7.12 Firms shall submit self certified document whenever needed or asked by the Corporation / Department of Horticulture.
- 7.13 Any dues on the Supplier shall be deducted from any of their amount lying with the Corporation.

8. Execution of the Agreement :-

- 8.1 The letter of approval and execution of agreement will be issued by Head Office.
- 8.2 The Supplier shall ensure to execute the agreement on Rs1000/- stamp paper duly notarised and submit in Head Office within the stipulated period of time (**Annexure - 6**).
- 8.3 If the Supplier fails to submit the agreement within the time period then his offer shall be cancelled and the EMD shall be forfeited by the Corporation.
- 8.4 The Managing Director reserves the right to accept or reject the agreement.

9. Issue Of Order :-

The order will be issued by Head Office or Regional Office.

10. Work Completion Period :-

- 10.1 The entire supply, installation, commissioning and trial run shall be completed within **90 days** from the date of Work Order.
- 10.2 Delay shall attract penalty as per **Clause 13**.
- 10.3 The Supplier must intimate either verbal or written to the Consignee 7 days prior to dispatch of materials.
- 10.4 The Managing Director of the Corporation reserves the right to extend or reduce the work completion period in case of exigency.

11. Technical Specifications :-

- 11.1 The materials supplied must confirm to the specifications mentioned in **Annexure-9**.
- 11.2 Any changes made or deviation with respect to the specification which are without written approval or instructions from the Department of Horticulture, shall lead to rejection. If unexpected changes take place, the Corporation will not pay extra amount for the machinery or such works.
- 11.3 All electrical items/ equipments/ machineries shall be of ISI marked.
- 11.4 For ascertaining the Quality of items, the list of equipment / instrument / machinery those equipments which are listed under ISI mark issued by BIS shall only acceptable in this tender however if the equipment / instrument / machinery are not listed under ISI mark then in such circumstances shall bear other qualitative certification such as ISO / NABL and only then such equipment / instrument / machinery shall be acceptable.

12. Inspection, Testing and Trial Run :-

- 12.1 The Corporation/ Department of Horticulture may inspect the materials at manufacturer's premises or at site.
- 12.2 All applicable tests to be conducted and test report to be submitted during the trial run of Seed testing Laboratory at **Kanhasaiya, Bhopal**.
- 12.3 Trial run shall be done in the presence of the officials of Directorate of Horticulture and Food Processing, and the officials of the Corporation, however the convenient date of trial run shall be taken by the Supplier from the Directorate of Horticulture and Food Processing and Corporation.
- 12.4 During the trial run the Supplier shall arrange all required tools, instruments, accessories and shall then handed over to the Department of Horticulture for further use. Supplier shall have his own staff for hassle free smooth operation of trial run of the equipments etc works.
- 12.5 The Supplier shall provide trouble shooting guide book for every machine, structure, coordinately running machines etc.

13. Penalty for Delay :-

- 13.1 A penalty of 0.5% of contract value per week, subject to a maximum of 10%, shall be imposed for delay.
- 13.2 Beyond 10 weeks delay, the Corporation may terminate the contract and forfeit the EMD, in such case no payments shall be released to the Supplier.

14. Warranty :-

- 14.1 Warrantee period shall be of three years from the date of successful trial run.
- 14.2 The Supplier shall provide 3 years comprehensive onsite warranty.
- 14.3 Any defect arising during warranty must be rectified within a week time of receipt of written complaint as issued by Department of Horticulture.
- 14.4 Replacement of defective materials shall be at Supplier's cost.

15. Billing :-

The Supplier shall prepare the duly typed bill in triplicate mentioning the HSN number, GST detail, Corporation GST number, etc all typical as per government rules. The bill shall be produced to the Corporation after the successful execution of the works.

16. Payment Terms and Conditions :-

The payment shall be released on "Payment after Payment" basis i.e. on receipt of payment from Consignee (Department of Horticulture, etc) the payment will be made by Corporation. The payment will be made by deducting the Corporation margin of 5% on the suppliers bill. The Corporation will make payment to Supplier which is as follows:

- (i) 50% amount shall be paid by Corporation on the successful supply of the equipments, for this supplier/ executor shall have to take the Satisfactory Supply Confirmation Report duly signed by the official of Department of Horticulture and District Level Horticulture Officials. 40% amount shall be paid after submitting successful, installation, trial run and training report duly signed by the committee members along with the NOC form the Department of Horticulture. Remaining 10% amount shall be paid after successful completion of the warrantee period.
- (ii) For execution of works or supplies and installation on site or place other than **Seed testing Laboratory at Kanhasaiya, Bhopal**, 90% payment shall be made on completion of the satisfactory work report duly signed by the official of Consignee Department. Balance 10% shall be released on completion of warranty period.

17. After-Sales Service :-

- 17.1 Supplier shall provide free and prompt service during warranty period.
- 17.2 Service log-book shall be maintained at site for this purpose.
- 17.3 All worn out parts shall have to be replaced by new working parts, the Supplier shall bear such cost. No extra payment shall be made by Corporation or Department of Horticulture for such visit or repairs.

18. PROVISIONS FOR STARTUP'S, M.S.M.E. AND PROVISION FOR SCHEDULED CASTE AND SCHEDULED TRIBE AND WOMEN ENTREPRENUER'S OF MADHYA PRADESH :-

According to the clause number 22 of store purchase rules 2015 (as amended in 2022) for STARTUP's and M.S.M.E of the Madhya Pradesh the EMD is waived off, It is mandatory for such entrepreneurs to submit all related documents / documentary proof duly self attested. Such firms whose rates are opened in the financial bid and falls up-to 15% range above the lowest found rate and that such firm had agreed to supply on the lowest rates in such circumstances the 25 to 50 percent of the total quantitative order, can be placed to such firms. Similarly to avail the benefits related to section number 23.1 of the Store

Purchase Rules 2015 (as amended in 2022), it is mandatory for Schedule Caste, Schedule Tribe, Women – Owned entrepreneurs to submit all related documents/ documentary proof duly self attested. The firms who come under the category of Scheduled Caste or Scheduled Tribe shall be offered order up-to 4 percent of above said 25 percent quantitative order. Similarly the firms owned by the female (female proprietary firm) shall be offered order up-to 3 percent of the total above said 25 percent quantitative order.

19. Arbitration :-

- 18.1 All disputes shall be referred first to the Manager (Horticulture).
- 18.2 If unresolved by Manager (Horticulture), the matter shall be referred to Managing Director which shall act as an arbitrator whose decision shall be final binding on both the parties.
- 18.3 For all Legal proceedings the District Court Bhopal will have the jurisdiction.

20. Breach of terms and conditions or agreement :-

It is hereby declared that the firm had understood the tender in toto and thus in case of breach of terms and conditions or the agreement the Corporation shall forfeit the EMD and Security Deposit amount of the Supplier/ Executor.

Manager (Horticulture)

ANNEXURE-3**APPLICATION FORMAT & MANDATORY DOCUMENTS**

1	Name of and address of Company or Firm.	
2	Name and address of Proprietor/ Partner/ Board of Directors.	1..... 2..... 3..... 4.....
3	Contact number of Proprietor/ Partner/ Board of Director.	Land line No : Mobile 1 :- Mobile 2 :-
4	Name, designation, Address and mobile number of the person signing the tender. (if signing person is other than Proprietor/ Partner/ Director) Fill Annexure – 5.	Name :- Designation:- Address:-
5	e mail address.	
6	PAN number.	Number:-
7	Goods and Service Tax Registration.	No.:- Date of issue:-
8	Registration certificate issued by	Registration No:- Date of issue:-
9	STARTUP'S / M.S.M.E registration	Registration No:- Date of issue :-
10	D.I.C/ Factory health and safety certificate registration number (if applicable).	No.:- Date of issue:-
11	Category or Segment of party.	Manufacturer/ Dealer.
12	Detail of firm whether Schedule Caste or Schedule Tribe or Women entrepreneur.	
13	Details of EMD for which rates are offered	ONLINE AMOUNT SUBMITTED Amount :-

Signature & Seal
of firm

AFFIDAVIT (Undertaking)

I, _____ S/o _____
aged _____ years, resident of _____,
Proprietor/ Partner/ Director of M/s _____, hereby solemnly
affirm and declare that:-

1. Our firm/company has **never been blacklisted** by any Central/State Government Department, Corporation, Board or Undertaking.
2. No criminal case or vigilance enquiry is pending against me/us or our firm.
3. All information and documents furnished in the tender are **true, correct and genuine** to the best of my knowledge.
4. We agree that if any information is found false at any stage, the Corporation shall have the right to **cancel the tender**, forfeit our EMD/ SD and blacklist the firm.
5. We fully accept all the **terms & conditions**, technical specifications and obligations mentioned in the Tender Document.
6. We will not claim any compensation for rejection of our tender or cancellation of contract.
7. We shall abide to execute all works as per the clauses of this tender and agreement.

Verified and signed on this day _____ at _____.

(Authorized Signatory with Seal)

Name of the signatory:-

Seal of the firm :-

Notary Seal & Signature

(To be submitted on ₹1000 Non-Judicial Stamp Paper duly notarised and uploaded on
www.mptenders.gov.in portal)

ANNEXURE-5

(To be given on Company Letterhead)

LETTER OF SIGNING AUTHORITY TO SUBMIT THE TENDER

To,

Managing Director,
M.P. State Agro Industries Development Corporation Ltd.,
Bhopal.

Subject: Authorization for submission of e-Tender

I, _____, Proprietor/Director/Partner of M/s _____, hereby authorize Shri _____ (Designation: _____, Mobile: _____) to submit our e-tender, participate in the bidding process, upload required documents and sign all tender-related papers on behalf of our firm for - **“Supply, Installation, Test (whereever required), Commissioning on turn key basis for Seed Testing Laboratory at Kanhasaiya, Bhopal.**

The firm accepts all roles, responsibilities, terms & conditions mentioned in the tender.

Signature of Person Authorized

Name :

Aadhar card number :

Seal of Firm

Signature of the Director/ Partner/ Proprietor

Name :

Seal of the Firm :

DRAFT AGREEMENT

This agreement made at Bhopal this day of 2026 between M.P. State Agro Ind. Dev. Corp. Ltd, IIIrd Floor, Panchanan Building, Malviya Nagar, Bhopal, hereinafter referred to as the 'Corporation' which expression shall unless repugnant to the context or meaning there of includes its successors and assigns on the one part.

AND

M/s. Having its office at through Shri designation(hereinafter referred to as the Supplier whose expression unless repugnant to the context and meaning thereof includes its assigns, successors and administrations on the other part.

WHEREAS the Corporation invited e-Tender for supply of

On the terms and conditions mentioned in the e-Tender Document.

AND WHEREAS the supplier has accepted, each and every terms and conditions contained in the e-Tender Document, while submitting his offer.

AND WHEREAS the Corporation accepted the offer submitted by the supplier vide its letter of acceptance no.dated in consideration of the premises and the mutual premises and undertakings hereinafter specified and for other good and valuable consideration this agreement witness and is hereby agreed on the conditions of the e-Tender. The following documents shall form and be constructed a part of the Agreement Deed:-

- a. The e-Tender / offer submitted by the supplier including all the annexure attached thereto.
- b. Counter offer issued and letter of acceptance for the counter offer.
- c. The letter of approval issued by the Corporation / agreed rates as mentioned in annexure to this agreement.

The aforesaid documents shall be taken as complementary and mutually explanatory of one another but in case of discrepancies and ambiguities shall take precedence in the order set out above. In this regard, the decision of Managing Director, M.P. State Agro-Industries Development Corporation Limited shall be final and binding on both the parties.

IN WITNESS WHEREOF, the parties hereto have signed this agreement on the day and year referred to above.

MANAGER (HORTICULTURE)

SUPPLIER.

WITNESSES:

1.

2.

ANNEXURE-7**LIST OF SELF CERTIFIED MANDATORY DOCUMENT TO ASCERTAIN
ELIGIBILITY**

S.no	For Ascertaining	Mandatory Documents	Uploaded page number
1	Manufacturer/ Producer/ Processor	DIC/ MSME/ Factory License issued by Labor Dept/ Pollution Control License.	
2	Letter of Authority in case of dealer	Authorisation letter to Dealer from Manufacturer in favor of M.P. Agro Ind. Dev. Corpn ltd Annexure - 10	
3	Letter of Authority in case the Signing Authority Is not Director/ Proprietor/ Partner.	Authorisation letter from manufacturer in favor of M.P. Agro Ind. Dev. Corpn ltd. Annexure - 5	
4	Private Limited Company	Articles of Association. (If required any one or all Director can sign Annexure - 3 for lending signing authority to its employee in this tender).	
5	Company / Firm	Proprietor. (If required proprietor shall sign Annexure - 3 for lending signing authority to its employee in this tender).	
		Partnership deed. (If required any all or any one partner can sign Annexure - 3 for lending signing authority to its employee in this tender).	
6	Tax	GST Certificate.	
7	Identification of Tax Payer of the firm	PAN Card and Aadhar Card.	
8	Whether product has qualitatively marked	ISI marked license / NABL certified license / ISO certificate	
9	Affidavit of "Undertaking"	Annexure-4 to be typed on Rs 1000/- Stamp Paper.	
10	Tender document is read and accepted.	Seal and Sign be displayed on each page of the tender and eligibility document.	
11	Any other licenses which strengthen the eligibility of the offerer pertaining to Govt guidelines.	(AT BIDDERS DESIRE).	

Note :- All items in the tender shall be quoted collectively as a group. Bidder must submit quotation for all items, partial bids are not acceptable. Offerers for quoted items shall produce dealership certificate in favor of the Corporation.

ANNEXURE-8**LIST OF LABORATORY EQUIPMENTS OR LABWARES FOR SEED TESTING
LABORATORY**

S. no	Name of the items	Page number
1	Seed Sampling and Dividing :-	20
A	Gamet Divider	20
B	Soil Type Divider	20
C	Boerner Divider	20
2	Sample Storage Box and Racks	20
3	Laboratory model for the following	20
A	Air Screen Cleaner cum grader	20
B	Aspirator	20
4	Balances :-	20
A	Single Pan (Top Loading)	20
B	Analytical Balance	21
5	Purity Work Board	21
6	Germinator	21
A	Cabinet Germinator (Single Chamber)	21
B	Cabinet Germinator (Double chamber)	21
C	Walk In Room Germinator (Step in germinator)	21-22
7	Refrigerator	23
8	Stand Steriliser	23
9	Hot Air Oven	24
10	Grinding Mill	24
11	Binocular Stereoscopic Microscope With Camera	24
12	Incubator	24-25
13	Autoclave	25
14	Controlled Seed Storage Room	25
15	Digital Temperature and Humidity Indicator	25
16	pH Meter Bench type	25
17	UV Lamp Chamber	26
18	Miscellaneous Equipment :-	26
A	Seed Blower	26
B	Digital Moisture Meter Make	26
C	Hand Sieves	26
D	Seed Sieve Shaker	26
E	Seed Herbarium	26
F	Seed Counting Machine / Seed Board	27
G	Sand Benches	27
H	Water Sprinkler	27

S. no	Name of the items	Page number
19	Miscellaneous Labwares :-	27
A	Sample Pans	27
B	Desiccators	27
B1	Desiccators (Optional Quote)	27
C	Aluminium cans and Lids	27
D	Forceps	27
E	Magnifiers (10x) with Stand	27
F	Aluminium Dishes	27
G	Petri dishes	27
H	Plastic Boxes	27
I	Other Glassware and apparatus/ Desiccators	27
J	Seed Triers	27
20	Impression Boards :- Assorted Number	27
21	Illuminated Stand Magnifier	27
22	Hand Lenses	28
23	EC Meter - Electrical Conductivity Meter (bridge)	28
24	Laminar Air flow Chamber	28
25	Computer and Laser Printer	28
26	EC Meter (Digital)	29
27	Seed Scarifier (Electrical)	29
28	Thermometers (Dry Bulb)	29
29	Water Distillation Unit	29
30	Generator Upto 50 KVA Capacities	29

: SPECIFICATION OF THE ITEMS :

S. no	PARTICULARS	Approx Qty
1	Seed Sampling and Dividing :-	
A	Gamet Divider Motor driven with centrifugal action. Rotating neoprene disc used for rough, glumes & sticky seed lots. Hopper capacity: 2 Kg Operating Voltage: 230 V/1 ph/50 H Size: 38 H x 31 W x 51 D	1
B	Soil Divider Material: Stainless steel material, galvanized iron pans, scoop and cleaning brush, corrosion resistant No of Chutes 12 No. of Pans 2	1
C	Boerner Divider The body and inner part are made of Brass; legs are made of chrome plated steel. system should have seamless joints, anti corrosive polished surface Number of pockets 38, Two brass pan extra. Capacity : 3 Kg	1
2	Sample Storage Box and Racks :- As desired by Department of Horticulture.	100
3	Laboratory model for the following :-	
A	Air Screen Cleaner cum grader Seed /Grain Cleaner · Suitable for cleaning of all kind seeds/Grains/Pulses/Oil seeds/Spices/Forages etc. · Capacity-1-10TPH With Electric Motor, Starter, Switch, one set of screens and standard accessories. Two Aspirations at intake and final collection. Screen clogging is cleared by Brushes or Rubber Ball Systems. · Cyclone Dust Collector, Air Trunks, Additional Screens	1
B	Aspirator :- The aspirator separates foreign material from granular product by means of spreading flow over an intake cone. The thin stream of material is introduced to a controlled current of air that passes through the material as it falls. Airflow is controlled with a sensitive valve, which restricts or increases air passage to the centrifugal collector Hopper Cap. : 2.2 kg Approx. for Wheat/Rice Size : 51x30x82.5 cms (Approx.) Electric Motor : 300 W, 220V, 50 c/s AC/DC Single phase	1
4	Balances :-	
A	Single Pan (Top Loading) Maximum Capacity : 2kg Readability [d]: 0.01g, Repeatability: 0.01g, Linearity: ± 0.03 g Display: LCD Display with back light Weighing pan dimensions: 128x128 Protection class: IP43 Communication interface: RS232, USB. Power Supply: 100/240V, AC 50/60Hz Battery Operating 15hours Pan material- stainless steel real-time clock & ALIBI memory. Internal battery to be provided Calibration Certificate from NABL Accredited lab	2

S. no	PARTICULARS	Approx Qty
B	Analytical Balance LCD Display Digital balance to equipped with keyboard, big weighing chamber with sliding upper glass door and side glass door · Maximum Capacity :220 gram · Tare range: -220grams · Minimum Load – 10mg/0.01g · Readability : 0.1mg · Linearity :±0.2 mg · Permissible repeatability [Max] – 0.1 mg · Standard repeatability [Max]: 0.08 mg · Standard minimum weight (USP):140 mg · Pan Size – ø100 mm · Protection class: IP43 · Calibration – Internal calibration · Stabilization time:2S · Communication interface: RS232, USB-A (interchangeable),USB-B, ethernet, Wi-Fi · Power Supply: 100/240, VAC 50/60Hz · The data is registered in 5 databases: Operator/Users: Min.10 Products: 1000 ,Weighing : 5000, Tares : 100 , ALIBI memory upto 100000 Calibration Certificate from NABL Accredited lab	1
5	Purity Work Board :- Purity Work board and Diaphanoscope provides a convenient work area on a smooth opal glass surface for seed and grain analysis. A light placed under and shining through the glass assists in critical examination of the sample. Used by grain inspectors and seed analysts, the Purity Workboard and Diaphanoscope is ideal for grain grading and checking for stress cracks, germ damage, and seed viability. Unit features a convenient removable sample drawer. Approx. dims: 32" L x 14" W x 4" H	6
6	Germinator :-	
A	CABINET GERMINATOR (Single Chamber) :- Size of chamber : 605 x 605 x 910 mm (WxDxH); Shelves : 14 trays ; Capacity :-342 L Temperature Range : 5 °C to 60 °C; Humidity Range : 55%- 95% RH ± 3% (digitally controlled); Inner Chamber Material : High Grade SS 304 Stainless steel Mirror Polished; Outer Chamber Material : MS Powder Coated Insulation : 75 mm by PUFF Heater : Kanthal A 1 tubular Heater; Doors : Single door system with lock; inner door provided with thick plexiglass; Illumination control : With Fluorescent tubes and 0-24 hrs cyclic timer to control cyclic illumination condition in the chamber; Timers to be programmed into a day night cycle for temperature and light.; Minimum light intensity of 1000 Lux; Controller Type/ Sensor : Microprocessor Based PID Controller/PT-100; Safety Features : Audio visual alarm for temperature and humidity deviation.	

S. no	PARTICULARS	Appro x Qty
B	<p>CABINET GERMINATOR (Double Chamber) :- Size of each chamber : 605 x 605 x 910 mm (WxDxH) Shelves : 14 trays in each chamber Capacity : Each Chamber -342 L Temperature Range : 5 °C to 60 °C Humidity Range : 55%- 95% RH \pm 3% (digitally controlled) Inner Chamber Material : High Grade SS 304 Stainless steel Mirror Polished Outer Chamber Material : MS Powder Coated Insulation : 75 mm by PUFF Heater : Kanthal A 1 tubular Heater. Doors : Double door system with lock; inner door provided with thick plexiglass. Illumination control : With Fluorescent tubes and 0-24 hrs cyclic timer to control cyclic illumination condition separate for both chamber. Two independent timers to be programmed into a day night cycle for temperature and light. Minimum light intensity of 1000 Lux. Controller Type/ Sensor : Microprocessor Based PID Controller/PT-100 Safety Features : Audio visual alarm for temperature and humidity deviation. Power Supply : 220/230 V/ 50 Hz AC</p>	1
C	<p>WALK IN GERMINATOR (Step in germinator) :- EACH Room : 4.064 m L x 1.778 m W x 2.74 m H / (13.33 ft X 5.84 ft X9.0 ft) External Temperature : 15°C TO 30°C Temp. Accuracy : + 2°C RH % : Above 90% RH Accuracy : Accuracy + 3%</p> <p>PRE-FABRICATED PUFF PANELS: Construction: The Walk in Germinator is double walled construction pre-fabricated with puff insulated sandwich panels with PPGI sheets. The density of the PU foam is 38 - 40kgs/m³ . The floor is made with marine plywood top covered with aluminium checkered plate. Hermetically sealed compressor with custom made with SS304 grade evaporator is used in the Germinator.</p> <p>Humidifier: MIST FOGGER is used to create moisture in the room. The Fogging machine is made of Stainless Steel, 304 grade with water limit switch. A float limit switch is provided which will automatically stop the fogger from functioning when there is no water in the tank. The fogger is mounted on wheels for easy mobility.</p> <p>Control System: Micro Processor Controller is used for the operation in the walk in seed germinator. The Relative Humidity and dry bulb & timer have to be pre-set and the unit will function automatically. The heating system is mandatory and there is no separate setting for heating. Alarm system for deviation in set temperature and humidity.</p> <p>TECHNICAL SPECIFICATIONS: Room : 4.064 m L x 1.778 m W x 2.74 m H / (13.33 ft X 5.84 ft X9.0 ft) External Type of Insulation : PUFF Thickness : 60 mm Density : 38 - 40 kgs/Cu. ft Door size : 6ft H x 2.8ft W (External) with safety knob Compressor : 1.5 TR, Copeland compressor x 2 Units</p>	

S. no	PARTICULARS	Appro x Qty
	Evaporator : SS 304 custom made, double blower Temperature Range : 15°C to 30°C Temp. Accuracy : + 2°C Relative Humidity : Above ambient to 90% RH Accuracy : Accuracy + 3% Humidity : Mist Fogger with limit switch Timer: Day & night STAINLESS STEEL RACKS The racks are made of SS304 with 1.2mm thick sheet for 5 shelves. The stands are made of square pipe of 1"x1"x1.2mm thickness with tube light fitting. Size: 9'6"Length x 2'width x 6'height x 5 shelves x 1 racks (single side).	1
7	Refrigerator :- Laboratory Refrigerator (upright) Standard make; Capacity : 200-240 L (or as per requirement) Temperature Range : +2 °C to +12 °C or +2 °C to +10 °C; Temperature Accuracy : ±0.5 to 1 °C <u>Control System</u> : Microprocessor / Digital; temperature controller with LED/ LCD display PT- 100 temperature sensor; Cooling System : Forced air circulation for uniform cooling; CFC-free compressor <u>Defrost System</u> : Automatic (frost-free) Insulation : Double walled with PUF insulation Shelves : SS tays (minimum 4-6) <u>Door</u> : Double-walled insulated door with proper gasket; lockable; transparent glass with lock Alarm System : Audio-visual alarm for deviations Power Supply : 220 V ±10%, 50 Hz, single phase AC	1
8	Stand Steriliser :- The Electric Sample Seed Scarifier is designed and built for convenient office or lab use on small sample seed lots. It features all steel construction for durability and long use. The processing drum is lined with caborundum and equipped with a rotating steel propeller for thorough and efficient scarification of your sample seeds.	1
9	Hot Air Oven :- Microprocessor-based digital PID temperature controller with LED/LCD display/ dual digital indicator & PT -100 sensor Tripple-walled: inner chamber made of stainless steel-304; outer chamber made of GI/MS sheet with powder-coated finish. High-grade glass wool/ cerawool insulation between the walls. Perforated Inner chamber for Air Circulation & uniform distribution of temperature within chamber. Heat should be provided by U Type SS Air Heater. Air circulation by motorized blower for uniform distribution of temperature within chamber. GI wire mesh shelves or SS wire mesh shelves. fully insulated door with sturdy brass SS hinges with handle lock and gasket, Over-temperature protection, automatic cut-off, alarms for deviations, timer facility, safety thermostat. Capacity: Min. 90L Inner Chamber Size: 18"x18"x18" Or Better Shelves: 2 Adjustable stainless steel wire mesh/perforated trays Temp. Accuracy: ±1 °C.; Temp. Range: Ambient +5 °C to 250 °C (or up to 300 °C).; Temp. Controller: Automatic auto tuning	2

S. no	PARTICULARS	Approx Qty
10	<p>Grinding Mill :- Disc Grinder type SJ 500 Motor Power : 0.5 HP, Motor Speed: 1400 rpm , Grinding Discs: 64mm Grinding capacity: 10 to 14 kg/h , Power Supply: 220 – 250 volts Weight: 12.5 Kg , Depth: 0.28m Fine grinding: after fine grinding the 99% of grinded particles should passes through 1 mm sieve and above 95% of the grinded particles should passes through 0.5 mm sieve. Aperture of sieve : % of sample passing through 710 μm : 100 500 μm : 97.3 210 μm : 66.8</p>	1
11	<p>Binocular Stereoscopic Microscope 1. Binocular Stereo microscope :- Head: Binocular Head * Eyepiece: Super Wide Field Plan Eyepiece WF10x/22mm Diopter Adjustable, * ZOOM Objective: 0.7X- 4.5X * Zoom Ratio: 1:6.5 * Working Distance: 100mm * Field of View: 1-95.2mm * Focusing: Course Focus Knob * Stand: Boom stand * Total Magnification : 7X to 45X Illumination: Ring Illuminator 60 LEDs with 64mm with 0 to 100% light intensity adjustment Lens: 0.5x, 0.75x, 2.0x Optional to Enlarge Magnification and Working Distance Camera Specifications: · Sensor Type: CMOS · Sensor Size: 1/2.33" Resolution: 5MP, 4000x3000 · Pixel Size: 1.34μm x 1.34μm · Frame Rate: 15fps · Color/ Mono: Color · Shutter Mode: Rolling · Exposure Mode: Auto/Manual · Picture Format: TIFF/JPG/PNG/DICOM · Optical Interface: C Mount · Data Interface: USB2.0 · Operating Environment: Temperature: 0-40°C Humidity: 10%-85% with Software for image capturing and basic measurements.</p>	1
12	<p>INCUBATOR :- Digital LCD display B.O.D incubator, double walled, outer made of mild steel duly enamel painted and inner made of Stainless steel and jacket with high quality insulation. Inner chamber should have adjustable shelves arrangements, shelves made of stainless steel of typical gauge. The chamber should have positive air circulating fans – typical to get even temperature in any corner of the chamber. The chamber should have white light illumination system. Door of incubator should be inner made of plexiglass with appropriate insulation and push locking device. Outer door of flush fitting type with magnetic gasket of which the inner made of stainless steel and outer made of mild steel duly enamel painted. The door should have key locking device.</p>	1

S. no	PARTICULARS	Approx Qty
	<p>All controls should be at ergonomic position with ON / OFF switch temperature control knobs, air circulation knob, white light knob, and heating / cooling indicators. Compressor should have cooling gas typical. The compressor should be hermetically sealed housed below the incubator in such a position which suits to the ease in repair of the compressor as and when required.</p> <p>Size (working space) : 58 x 49 x 99 cm (W x D x H) with 3 shelves.</p> <p>Volume : 285 lit.</p> <p>Temperature range : 5^o C to 60^o C.</p> <p>Accuracy : +/- 0.5^oC.</p> <p>Power supply : 230V single phase, 50Hz AC.</p>	
13	<p>Autoclave :- Fully Argon welded, Removable SS wire mesh/rod carrier supported on footed, SS frame in built, Temperature Scanner having 2 temp. Probes to monitor and record temp. Inside the equipment with printing facility. Digital Pressure Indication.</p> <p>Type : Vertical</p> <p>Capacity (Chamber Volume) : 55L Inner size “ 14” diameter x 22” depth</p> <p>Construction : Double-walled: inner & outer chamber made of stainless steel (SS 304) Working Pressure : 0–21 psi</p> <p>Working Temperature : Up to 121 °C ±1 °C Temperature Control : Microprocessor based PID Temp. Controller with Dual Digital Indicator and Sensor.</p> <p>Safety Features : safety valve, exhaust valve, and water low-level alarm indication with heater cut-off facility.</p> <p>Sterilization Cycle : Fully automatic cycle with audio alarm for Temperature Overshoot/ undershoot.</p> <p>Accessories : Stainless steel perforated baskets/ trays (min. 2 supplied)</p>	1
14	<p>Controlled Seed Storage Room :-</p> <p>As desired by Department of Horticulture.</p>	1
15	<p>Digital Temperature and Humidity Indicator :- Thermo Digital Hygrometer :- Real time high accuracy measurement. Weather Comfort Indicator, Unit Switchable from °C to °F and vice-versa Temperature Range : 0 °C to 50 °C Temperature Accuracy : ± 1 °C; Humidity Range : 20% to 99% Relative Humidity Humidity Accuracy : ±5% RH or better; Display : Large digital LCD display with touch button control showing Temperature, Humidity. Resolution : 0.1 °C for temperature, 0.1% for humidity</p> <p>Sensor Type : Digital sensor, fast response, long- life stable humidity sensor.</p>	3
16	<p>pH Meter Bench type :- pH Range: -2.00 to 16.00 pH; pH Resolution: 0.01 pH; pH Accuracy: ±0.01 pH; pH Calibration: automatic, one or two-point with five memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01); pH Electrode: pH Electrode glass body pH electrode with BNC connector and 1 m (3.3') cable Temperature Probe stainless steel temperature probe with 1 m (3.3') cable; Input Impedance 10¹² Ohm Power Supply DC adapter; Environment 0 to 50°C (32 to 122°F); RH max 95% non-condensing</p>	2

S. no	PARTICULARS	Approx Qty
17	UV Lamp Chamber :- Usable for viewing paper and thin layer chromatograms; GI powder coated cabinet in REGULAR MODEL; With enclosed long and short wave light sources; Provides an enclosed viewing space which eliminates external light interference; Use with Ultra violet Lamp for observing fluorescent effect on chromograms etc. Operates on 230 Volts A/C.	1
18	Miscellaneous Equipment :-	
A	Seed Blower :- Seed Blower utilizes airflow, which is generated by a blower motor and as that air passes through a column (1½", 3" or 4") the air lifts light fluffy material or empty seed hulls into the top beveled area of the column, while larger heavier good seed stays at the bottom. The motor is ⅓HP, 220V/ 60Hz and operates at 3,450 RPM. The 757/A 220V/50HZ unit is ½HP and 2,750 RPM. Air columns are precision built to trap lightweight seed and chaff, collecting pure seed in the "cup" located at the bottom of the column. The cup has a wire mesh bottom to prevent seed from falling into the fan. Mesh sizes are: 1½" 100 mesh, 3" 50 mesh and 4" 30 mesh	1
B	Digital Whole Grain Moisture Meter Dickey john Make :- Compact and portable design Table top, non - destructive, measure moisture and density of whole seeds of cereals, pulses, oil seeds, vegetable seeds, flower seeds and grass seeds etc. Measurement principle: Capacitance, conductance weighing device with digital display. Self-test before each moisture reading Moisture Measurement Range 3% – 50% (depending on crop/seed type) Repeatability ±0.1% (depending on moisture level and crop type) Resolution 0.1% Temperature Compensation : Automatic Measurement Time ≤ 30Seconds Sample Size Approx. 300-650 g (cereals) Display : Digital LCD/LED display Power Supply : Rechargeable battery / mains (85- 264 Vac, 48-62 Hz) with adapter Operating Temperature : 5 °C to 45 °C Display Content : Grain Name, Calibration Name, Moisture %, Sample Temperature, Approximate Density (Approximate Test weight) Portability : Compact, field portable User / remote Interface : DB25M, RS-232C	2
C	Hand Sieves :- Material of Frame: Brass Material of Mesh: SS 304 Frame Diameter: 8inch Minimum 8 sieves	1
D	Seed Sieve Shaker :- Electromagnetic Sieve Shaker Electromagnetic sieve shaker suitable for laboratory use, supplied with 8 (eight) stainless steel (SS-316) sieves of 200 mm diameter × 50 mm height. The unit shall be housed in a mild steel (MS) powder-coated cabinet and provided with a 20 × 4 line alphanumeric LCD display along with an alphanumeric keypad. The instrument shall have user and administrator password protection. It shall support intermittent and continuous shaking modes, with a programmable shaking time from 1 minute to 99 minutes and 20 programmable levels of amplitude selection. Provision shall be available for connecting an RS-232 serial printer. The system shall be supplied complete with a lid and receiver suitable for 200 mm × 50 mm sieves.	1
E	Seed Herbarium :- Chamber with provision for keeping 15 Vial Trays with 2 Dram Vials.	1

F	Seed Counting Machine / Seed Board :- Description : Precision Seed counter (Electronic) Other requirements : Dual mode operation, adjustable speed, smart deceleration, Should be High Accuracy. Should be suitable for cereals, pulses, oilseeds, vegetable seeds, and small coated seed. Silent Operation & Small foot print Counting capacity and bulk count range : 1-99999 grains Speed of Counting Adjustable : >1000 seeds per 3 minute Power : 220-230V Continuous working time : More than 5 hours Display : Digital LCD/LED display with count Mode : Continuous / Batch Error Indication : Automatic With 5 No of Boards for Corn and other seeds	1
G	Sand Benches :- As desired by Department of Horticulture.	1
H	Water Sprinkler :- As desired by Department of Horticulture.	2
19	Miscellaneous Labwares :-	
A	Sample Pans :- As desired by Department of Horticulture.	10
B	Desiccators :- Robust desiccators with base and cover made of borosilicate glass. The desiccator shall have a simple design suitable for drying under atmospheric pressure. It shall be provided with ground glass flanges to ensure an airtight seal. The perforated plate shall be positioned on an internal ledge within the base. The desiccators is generally used for drying moist products and for the storage of moisture - sensitive substances. ID Ground Flange Minimum 300mm.	6
B1	Desiccators (Optional Quote) :- Plastic A PP desiccators is a durable, lightweight lab container made from Polypropylene (PP),	1
C	Aluminium cans and Lids :- 100 mm diameter and 15 mm height aluminium petri dish, perfect for laboratory moisture testing and sample analysis	10
D	Forceps :- As desired by Department of Horticulture.	12
E	Magnifiers (10x) with Stand :- As desired by Department of Horticulture	6
F	Aluminium Dishes :- 100 mm diameter and 15 mm height aluminium petri dish, perfect for laboratory moisture testing and sample analysis	10
G	Petri dishes :- Pack of 100 Each dish measures 90mm in diameter and 15mm in height, providing ample space for sample storage.	100
H	Plastic Boxes :- As desired by Department of Horticulture.	As per requirement
I	Other Glassware and apparatus / Desiccators :- As desired by Department of Horticulture.	As per requirement
J	Seed Triers :- As desired by Department of Horticulture.	As per requirement
20	Impression Boards :- Assorted Number	1
21	Illuminated Stand Magnifier :- Flexible Arm Illuminated Magnifier, 130 mm clear-view glass lens with shadow-free 22-watt circular lamp illumination. The springs are concealed within the unit, resulting in improved aesthetics and enhanced durability with longer service life.	2

S. no	PARTICULARS	Appro x Qty
22	Hand Lenses	10
23	EC Meter - Electrical Conductivity Meter (bridge) Electrical Conductivity (EC) Meter – Bridge Type Range; Conductivity: 0 – 0.0006 $\mu\text{mho/cm}$ ($\mu\text{mc/S}$) <u>Resolution</u> :- Conductivity: 0.01 $\mu\text{mc/S}$ Accuracy; Conductivity: $\pm 2\%$ of full scale (s.f.) $\mu\text{mc/S}$ Typical Deviation (CME); Conductivity: $\pm 2\%$ s.f. $\mu\text{mc/S}$ <u>Calibration</u> :- Manual, 1-point through SDT/CE calibration <u>Electrode / Probe</u> :- Supplied with standard EC probe (6- 5821IH or equivalent) <u>Power / Battery</u> :- Battery: 1 \times 9V; Battery Life: Approx. 50 hours continuous use <u>Operating Environment</u> :- Temperature: 0 – 50 $^{\circ}\text{C}$ (32 – 122 $^{\circ}\text{F}$); Humidity: Up to 100% RH	1
24	Laminar Air flow Chamber :- Material of Construction (M.O.C):- Regular Model: Mild Steel (MS) powder-coated finish, GMP Model: Stainless Steel (SS 304) Matt/Buff finish. <u>Filter Details</u> : <ul style="list-style-type: none"> · HEPA Filter: Minipleat, EU-13 rating (99.997% efficient down to 0.3 μm) o Sealant: Polyurethane · Pre-Filter: EU-5 rating (95% efficient down to 5 μm) at working side · Face Velocity: Adjustable, 90 \pm 20 FPM · Air Cleanliness & Filter Efficiency: Dust counts exceeding Class 100 requirements as per ISO-14644 & IEST-RP-CC001.3 <u>Motor & Blower</u> :- Custom-built drive type motor with dynamically and statically balanced blower for reduced vibration and low noise <u>Instrumentation & Accessories</u> :- Lighting:- o 2 \times 40 W diffused fluorescent lamps providing \sim 300 Lux white light o 1 \times UV light (1' \times 3') <ul style="list-style-type: none"> · Magnehelic Gauge: Digital, range 0–25 mm, for monitoring HEPA filter pressure drop · <u>Electrical Switches</u>: o Motor blower ON/OFF switch with indicator o Light ON/OFF switch o Additional 220V, single-phase, 50 Hz power point (15/5 Amps switch socket combined) <u>Working Area Dimensions</u> :- 4' \times 2' \times 2' (L \times W \times H) Filter Size: 4' \times 2' \times 3' (L \times W \times H), HEPA Filter: 1 no, Pre-Filter: 1 no. <u>Other Features</u> :- Smooth, easy-to-clean interior surface; Ergonomic design for operator comfort; Unit supplied with necessary documentation for operation and maintenance	1
25	Computer and Laser Printer :- Processor: Intel Core i5 (latest generation) Operating System: Microsoft Windows 10/11 Professional (pre-installed) Memory (RAM): Minimum 8 GB DDR4 Storage: 1 TB HDD or 512 GB SSD (or combination); Monitor: 22" LED/LCD display with minimum Full HD resolution (1920 \times 1080); Keyboard & Mouse: Standard USB wired or wireless set; Connectivity: Ethernet LAN, Wi-Fi, USB 3.0/2.0 ports and Laser Printer	1

S. no	PARTICULARS	Approx Qty
26	EC Meter (Digital) :- Micro controller based, Range : 0.1 μ S – 200 mS, Resolution : 0.001 μ S, Temperature : 00 C – 1000 C (Auto / Manual), Readout : 7 digits LED (3 digits for Temp. and 4 digits for Cond.)	2
27	Seed Scarifier (Electrical) :- Electric Sample Seed Scarifier:-The electric sample seed scarifier should be designed for laboratory use on small sample seed lots. It is constructed of all-steel for durability and long service life. <u>Features:-</u> Processing Drum: Lined with carborundum for efficient seed scarification <ul style="list-style-type: none"> · Propeller: Rotating steel propeller for thorough and uniform processing of seeds · Motor: Electric motor, 1/3 HP Applications: · Scarification of small seed samples to improve germination · Suitable for laboratory and research purposes <u>Construction:-</u> Durable steel construction for long-term use <ul style="list-style-type: none"> · Easy to clean and maintain Power Supply: · Electric, standard voltage 230V 	1
28	Thermometers (Dry Bulb) :- <ul style="list-style-type: none"> · It should be wooden base set of two thermometer, one with wet bulb for measuring the humidity level. Size 28 cm x5 cm which is a wall mounted instrument 	1
29	Water Distillation Unit :- Laboratory water distillation unit providing High-purity distilled water via a single-stage automatic distillation process. <u>Capacity & Output:-</u> Distilled Water Output: 4 L/hr (litres per hour) <u>Cooling Water Requirement:-</u> Minimum cooling water flow: 2 L/min Material of Wet Parts: <ul style="list-style-type: none"> · Boiler: Borosilicate glass · Condenser: Borosilicate glass Heater: · Quartz heater element for efficient, uniform heating <u>Water Purity / Conductivity:-</u> Conductivity of produced distilled water: $<3 \times 10^{-6}$ S/cm (when inlet water TDS < 100 ppm) <u>Biological Activity:-</u> Distilled water output is pyrogen free Power Requirements; Voltage: 230 V, 50 Hz; Power consumption: approx. 3.5 kW <u>Safety & Controls:-</u> Automatic shut-off and auto cut-off protection for heater and feed water interruption; Built-in cleaning/ descaling guide for maintenance; Countdown timer and preset volume collection control.	1
30	Generator Upto 50 KVA Capacities :- Should be of reputed companies as Kirloskar/ Crompton or such reputed makes. Should be noise free running, maintenance free, easy to repair, should comply to the current guidelines of the Government.	1

: DEALERSHIP/DISTRIBUTORSHIP CERTIFICATE:

(Authority to submit Tender On Producer company's letter head)

To,

The Managing Director
M.P.State Agro Industries Development Corporation Ltd.
Panchanan Bhawan, 3rd Floor,
Malviya Nagar,
Bhopal

Sub: Authority to submit Rate Contract Offer.

Dear Sir.

I Designation hereby authorize
M/sto submit Rate Contract Offer M.P. State Agro
Industries Corporation Ltd on behalf of the company due on

We hereby undertake that the Company shall abide by all the terms and conditions as mentioned in
Tender Document.

I further certify that I am authorized to issue this certificate on behalf of the company.

If an order is placed with the authorized company as above, the company undertakes to supply the
order as per terms and condition of RCO.

(Signature)

Name
Designation
Tel No
Mobile No
Email

BOQ (BILL OF QUANTITIES)

Note: Bidder shall fill ONLY the “Rate/Amount” columns. All quantities are fixed & non-negotiable.

Sr	Description Of Work/Item	Qty	Unit	Base Rate (₹)	GST %	Gst Amount (₹)	Contingency (₹)	Supervision (₹)	Total Amount (₹)
1	Seed Sampling and Dividing :-	1	Set						
	Gamet Divider								
	Soil Type Divider								
	Boerner Divider								
	Sample Storage Box and Racks								
	Laboratory model for the following								
	Air Screen Cleaner cum grader								
	Aspirator								
	Balances :-								
	Single Pan (Top Loading)								
	Analytical Balance								
	Purity Work Board								
	Germinator								
	Cabinet Germinator (Single Chamber)								
	Cabinet Germinator (Double chamber)								
	Walk In Room Germinator (Step in germinator)								
	Refrigerator								
	Stand Steriliser								
	Hot Air Oven								
	Grinding Mill								
	Binocular Stereoscopic Microscope With Camera								
	Incubator								
	Autoclave								
	Controlled Seed Storage Room								
	Digital Temperature and Humidity Indicator								
	pH Meter Bench type								
	UV Lamp Chamber								
	Seed Blower								
	Digital Moisture Meter Make								
	Hand Sieves								
	Seed Sieve Shaker								
	Seed Herbarium								

	Seed Counting Machine / Seed Board								
	Sand Benches								
	Water Sprinkler								
	Sample Pans								
	Desiccators								
	Desiccators (Optional Quote)								
	Aluminium cans and Lids								
	Forceps								
	Magnifiers (10x) with Stand								
	Aluminium Dishes								
	Petri dishes								
	Plastic Boxes								
	Other Glassware and apparatus/ Desiccators								
	Seed Triers								
	Impression Boards :- Assorted Number								
	Illuminated Stand Magnifier								
	Hand Lenses								
	EC Meter - Electrical Conductivity Meter (bridge)								
	Laminar Air flow Chamber								
	Computer and Laser Printer								
	EC Meter (Digital)								
	Seed Scarifier (Electrical)								
	Thermometers (Dry Bulb)								
	Water Distillation Unit								
	Generator Upto 50 KVA Capacities								