

**Tender Schedule (RFP) for Selection of Agencies
for Supply of Equipment for Constituency level
Integrated Agri Labs**



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TENDER NOTICE

This Request for proposal/Tender Document is being published by Department of Agriculture, Government of Andhra Pradesh to select an agency(s) for supply of Equipment for Constituency level Integrated Agri Labs..

All interested bidders shall pay EMD and submit their Technical responses (off line) in sealed envelope(s) and financial responses (Online only) through e-Procurement platform i.e www.apecurement.gov.in

This RFP document comprises of 3 sections namely;

- Section 1 : Scope of Work and Technical requirements
- Section 2 : Instructions to Bidders & Bid Process
- Section 3 : Draft Contract Agreement

Bidders are advised to study this Tender document carefully before submitting the Bids in response to the Tender notice. Submission of a Bid in response to this notice shall be deemed to have been done after careful study and examination of this document with full understanding of its terms, conditions and implications.

This Tender document is not transferable. Before submission of bids, bidders must ensure that scanned copy of all the necessary documents have been attached with the bid in the portal. The Agriculture Department is not responsible for delay in Bid submission due to any reason. Bidders are advised to submit the necessary EMD, and Bid documents on the e-Procurement Portal well in advance. Bidders are requested to attend a pre-bid meeting as per details provided on the e-Procurement Portal.

Critical Information:

Bid calling date	13-03-2021
Pre bid meeting	15-03-2021(Virtual*) at 3.00PM
Technical Bid Cover submission Date/time (Offline)	17-03-2021 2.00 PM Demo of the product must be displayed by the bidder
Communication to technically qualified bidders	18-03-2021 through e-mail/Phone
Financial Bid Submission (e procurement portal only)	20-03-2021 12.00 noon. Reverse Auction will follow
DEPARTMENT OF AGRICULTURE Contact person	Commissioner of Agriculture, Section Contact No: 8331056011 / 9849439369
DEPARTMENT OF AGRICULTURE Reference No.	AGC02-35026/4/2021

* Bidders interested to participate in Prebid have to send a request email to apintegratedlabs@gmail.com for virtual meet link.

*For any assistance with regard to eProcurement the bidders may contact 08645-246370 / 71 / 72 / 73 / 74

Note:

- All the bidders should take care of validity of digital keys themselves.
- No assistance pertaining to digital keys from this office.
- Bidders should contact e-Procurement Portal contact No's only.

Tenders are invited by the Commissioner of Agriculture, Dept of Agriculture, Government of Andhra Pradesh on e-Procurement platform **from the original equipment manufacturers or any Agency Authorized by OEM** for the supply of equipment for Constituency level Integrated Agri labs at different locations as listed under "Annexure - A" of this document.

Commissioner of Agriculture shall issue Purchase Orders (POs) to supply of Agriculture Inputs Testing Equipment for Constituency level Integrated Agri Labs as and when the Agri Labs are ready. **Bidders should note that all prices quoted shall remain unchanged for duration of One Year from the Bid closing date.**

Newspaper Advertisement



DEPARTMENT OF AGRICULTURE

RFP for selection of supplier of Equipment for Constituency level Integrated Agri Labs (Seed, Fertilizer & Pesticides)

Time schedule of various tender related events:

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Pre bid meeting	15-03-2021(Virtual*) at 3.00PM
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Bidders interested to participate in Prebid have to send a request email to apintegratedlabs@gmail.com for virtual meet link.

The tender details and specifications can also be seen on www.apecurement.gov.in and <http://www.apagrisnet.gov.in>

Sd/-
Commissioner of Agriculture
AP, Guntur

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SECTION 1: SCOPE OF WORK AND TECHNICAL REQUIREMENTS

1. Introduction

Andhra Pradesh being an agrarian state, Government of Andhra Pradesh primarily focuses on agriculture and farmers welfare. Availability of quality inputs viz Seeds, Fertilizers & pesticides are very critical in improving the crop productivity and in reducing the cost of cultivation. Though the state has seed, fertilizer and pesticide testing laboratories currently in existence, the limited resources therein and inadequate access to farmers leaves a scope for improvement in this area. An integrated Inputs testing laboratory approach at constituency level will improve more farmer engagement and improve their approachability as they are in immediate reach to farmers and also supplement the current facilities.

2. Scope of Work

The Government of Andhra Pradesh is establishing Integrated Agri testing labs to ensure the availability of quality agricultural inputs like Seed, Fertilizer and Pesticides to the Farmers. Considering this, an integrated Laboratory facility in two tier for testing Seed & Fertilizer for their quality at Constituency level and for testing seed, fertilizer & Pesticides at District level is proposed. The Labs are under construction and will be ready for operation by 1st week of April 2021. These Integrated Labs will ensure the availability of quality inputs and thus helps in increasing the productivity of the crops.

The Integrated Agri Labs will be established across the state of Andhra Pradesh in all the Rural Assembly constituencies.

The following activities are to be carried out by the bidder under this assignment;

- a) Supply the equipment's to constituency level Agri Labs as per the Technical specifications of this tender document. It is the responsibility of the bidder to ensure that all related components are supplied.
- b) Provide Warranty as per Technical specifications and Tender conditions along with AMC for 3 years for the Equipment .The companies should honor to extend AMC after 3 years warranty period as per the request or need of the department.
- c) The equipment has to be supplied/ delivered at the Laboratories specified in the Purchase Order (the details are provided under Annexure –B of this document). It is the responsibility of the bidder to arrange for smooth transportation, installation, demonstration and training to the staff in operation of equipment to all the Agri labs in the Constituency Head Quarters as stated under Annexure –B of this Tender document at their own cost. Bidder is responsible for any damages caused during the transportation. Any, such damaged items have to be replaced by the bidder at no additional cost to Commissioner of Agriculture, AP, Guntur.
- d) Bidder is responsible for paying of all taxes and levies which includes insurance if required during transit of items to locations stated under Annexure –B.

3. Technical Specifications of Agriculture Inputs testing Equipment:

All the technical specifications of the items/equipment is stated under Annexure –A

4. Project Duration & Timelines

4.1 Duration

Commissioner of Agriculture, Department of Agriculture issues Letter of Intent (LoI) to the successful bidder(s). The successful bidder(s) has to submit Acceptance letter to Commissioner of Agriculture within 7 days from the date of LoI. Further, the bidder has to submit the Performance Bank Guarantee (PBG) in the form of a DD or Bank guarantee for an amount equal to 3% to 10% of the total order value based on the type of equipment and is fixed by the Commissioner of Agriculture. On receipt of Performance Bank Guarantee from the bidders, Commissioner of Agriculture issues the Purchase Order(s) (POs) to the successful bidders based on the requirement, for the supply of equipment to the respective Agri Labs at constituency level.

4.2 Timelines

Activity-wise timelines is shown in the table below:

S No	Activity	Timelines by which activity needs to be completed
1	Issue of LoI(Letter of Intent) by commissioner of Agriculture, Department of Agriculture, AP to the Successful Bidder(s)	T ₀
2	Submission of PBG by successful bidders	T ₀ +7 days = T ₁
3	Issue of PO by Commissioner of Agriculture, Department of Agriculture	T ₁ + 3 day = T ₂
4	Supply of Equipment to Agri Lab	T ₂ + 30 days from date of issue of Purchase Order =(T ₃)
5	Installation and Demonstration/Training on the equipment to Lab staff.	T ₃ + 5 days = (T ₄)
6	Submission of Invoices and all related documents for processing of payment along with certificate(s) of successful demonstration of the equipment	T ₄ +1 day

SECTION 2: INSTRUCTIONS TO BIDDERS & BID PROCESS

1. General Instructions to Bidders

1.1 Completeness of Response

Bidders are advised to study all instructions, forms, requirements and other information in this document carefully. Submission of the bid shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications. The response to this RFP should be full and complete in all respects. Failure to furnish any information required by the RFP documents or submission of a proposal not substantially responsive to this document will be at the Bidder’s risk and may result in rejection of its Proposal.

1.2 Proposal preparation costs & related issues.

The bidder is responsible for all costs incurred in connection with participation in this process, including but not limited to, costs incurred in conduct of informative and other

diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by facilitating the evaluation process, but not limited to, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/presentations, preparation of proposal, in providing any additional information required by facilitating the evaluation process.

Will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

This RFP does not commit to award a contract or to engage in negotiations. Further, no reimbursable cost may be incurred in anticipation of award or for preparing this RFP.

1.3 Right to terminate the process

DEPARTMENT OF AGRICULTURE has the right to terminate the RFP process at any time and without assigning any reason. DEPARTMENT OF AGRICULTURE makes no commitments, express or implied, that this process will result in a business transaction with anyone.

This RFP does not constitute an offer by DEPARTMENT OF AGRICULTURE. The bidder's participation in this process may result in short listing of the bidder(s).

1.4 Amendment to RFP

At any time, prior to the deadline for submission of bids, DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH may, for any reason, whether on its own initiative or in response to a clarification request by a prospective bidder, modify the bidding documents and can issue corrigendum. The Department of Agriculture has the right to add or delete an item/equipment as well as to modify the Quantity or Specifications by issue of Corrigendum.

In order to allow prospective bidders reasonable time to consider the amendments while preparing their bids, DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH at its discretion, may extend the deadline for the submission of bids.

1.5 Language of Bid

The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH shall be in English language only.

1.6 Bid Document

The Bidder shall complete the Technical Bid and Financial Bid furnished with this document giving details as per the format mentioned in the e-Tendering website www.tender.apecurement.gov.in. The bidder shall also complete the bid form and submit it along with the bid. The physical copies of Technical bids should be submitted at the Agriculture Commissionerate office, Chuttugunta Center, AP, Guntur, 522004 apart from submitting through online as stipulated in the RFP.

1.7 Preparation of Proposals

The Proposal as well as all related correspondence exchanged by the bidders and

DEPARTMENT OF AGRICULTURE shall be written in English language, unless specified otherwise.

In preparing their Proposal, Bidders are expected to examine in detail the documents comprising the RFP. Material deficiencies in providing the information requested may result in rejection of a Proposal.

The Technical Proposals shall contain an Executive summary giving a brief overview of the way the bidder proposes to achieve the outcomes and the assessment of resources required.

The bidder is expected to submit the Technical Proposal as per this document. Submission of the wrong type of Technical Proposal will result in the proposal being deemed non-responsive. The Technical Proposal **shall not include any financial information**.

1.8 Submission of Responses

The bidder shall submit the Technical Proposal (Offline on 17-03-2021 @ 2 PM for physical verification) at Commissionerate of Agriculture, Chuttugunta Center, Guntur, Andhra Pradesh-522004. The Financial proposal must be submitted through www.apecurement.gov.in only on or before last date & time given in this document.

The bids submitted by telex/telegram/fax/e-mail, etc. shall not be considered. No correspondence will be entertained in this matter.

The original proposal both Technical and Financial shall contain no interlineations or overwriting, except as necessary to correct the errors made by the bidders themselves. The same authorized representative who has signed the proposal shall initial the corrections.

An authorized representative of the bidder shall initial on all the pages of the original Technical and Financial Proposals. One set of the documents necessary for Qualification given in this document shall be submitted. An authorized representative of the bidders shall initial (sign) all pages of Qualification documents submitted.

DEPARTMENT OF AGRICULTURE reserves the right to modify and amend any of the above-stipulated condition /criterion depending upon assignment/project priorities vis-à-vis urgent commitments.

1.9 Financial Proposal

Cost of Bidding

The Bidder shall bear all the costs associated with the preparation and submission of its bid and DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH will in no case be responsible or liable for these costs, regardless of conduct or outcome of bidding process. Cost of bidding is exempted for the Bidders having the NSIC or MSE Certificate; Bidder must submit the valid proofs from NSIC or MSME at the time of Bid submission.

Content of Bidding Document

The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents in format or submission of a bid not substantially responsive to the bidding documents in every

respect will be at the Bidder's risk and may result in rejection of its bid.

The Bidder shall submit the Technical Bid and a Financial Bid as per the format mentioned in the e-Tendering website. In addition the bidder should submit all the physical documents of all the technical bid (Off Line) also. Telex, Cable, e-mailed or facsimile bids will be rejected.

2 Technical Eligibility Criteria

Only those interested bidders who satisfy the following eligibility criteria should respond to this Tender. Bidders have to submit proper documentary proof mandatorily, for each of the clause, failing which the bid is subject to rejection.

Sl. No	Minimum Eligibility Criteria	Proof to be submitted for fulfilling the Eligibility
1	The Bidder shall be a manufacturer of the items or an Agency authorized by OEM	Registration Certificate of the firm / Company or In case of Agency authorized by OEM authorization certificate from Manufacturer on letter head duly signed and stamped.
2	The firm should have at least 3 years' experience. At least one experience certificate for 3 different years after 01.04.2017 in Manufacturing/Supplying such items.	<p>Documents (Purchase orders) to prove that the company / firm have supplied such items in their business for 3 years from 01.04.2017 onwards. The bidder should submit the experience certificate for each calendar year separately. (Purchase Orders along with Installation Certificates).</p> <p><u>Client's feedback:</u> Satisfactory work execution reports from previous clients may be submitted on their letter head having contact details in the following points.</p> <ol style="list-style-type: none"> 1. Timely completion: within time period/ extended period if any. 2. Cost escalation issues: completed with the contract value / increased or decreased. 3. Quality of work, equipment and performance: 4. Attitude of agency & After Sales service 5. Commitment of the agency towards the warranty <p>*(Note to client: 1 to 5 scaling may be given for the above points. Where 1 denotes least quality/performance and 5 denotes, is best quality/performance. 1 is for poor performance, 2 for average, 3 for satisfactory, 4 for good and 5 for excellent. Aggregate total of above points if less than 3 are not qualified for bidding. The above satisfactory report may be certified by the Head of Institution / organization / Division i/c.</p>
3	In respect of manufacturers gross annual turnover of Rs.One (1) Cr at least for one year during last three financial years (FY 2017-18 and 2018-19 & 2019-20). In respect of Agency authorized by OEM, the	Turnover Certificate by a Chartered accountant should be enclosed for FY 2017-18, 2018-19 & 2019-20

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	turnover of the manufacturer will be taken into account.	
4	The firm should be income tax assessments at least for a period of three years for the last 3 Assessment years.	Self- attested copies of the acknowledgments of Income tax returns for AY 2017-18, AY 2018-19, AY 2019-20 and PAN Card of the firm should be enclosed.
5	The firm should be registered under GST.	Self-attested copy of the certificate of GST registration.
6	In case a bidder bids on behalf of more than one Manufacturer for different items, he should be an Agency authorized by OEM.	Authorized agency Certificate from each manufacturer, along with authorization to participate in the tender on behalf of the manufacturer/company.
7	Earnest Money Deposit	The firm(s) shall require to submit the EMD in the form of Account Payee DemandDraft, or Bank Guarantee (to remain valid for a period of 45 days beyond final bid validity) from any of the Commercial Banks could be drawn in favour of "Commissioner of Agriculture" payable at Guntur.

Note:

- a) Commissioner of Agriculture, Department of Agriculture, Andhra Pradesh reserves the right to verify, if it so desires, the correctness of documentary evidence furnished by the bidder.
- b) Commissioner of Agriculture, Department of Agriculture, Andhra Pradesh reserves the right to seek clarifications if any, regarding the documents submitted or any information furnished by the bidder.
- c) In the absence of the any supporting documents stated above, the bid will be rejected.

2.1 EMD

The bidders shall pay EMD in the form of a DD or Bank Guarantee Equipment/ item/schedule wise as mentioned against each with the technical bid enclosures. EMD shall be valid for 45 days beyond the last date of bid validity. The bidders can participate in any number of items of their choice.

S No	Item description	Required No.	EMD
1.	Plasticware and miscellaneous items	As per List enclosed	2,00,000
2.	Vaccum pump	1	25,000
3.	Vaccum Dessicator	1	15,000
4.	Dessicator	1	10,000
5.	Water bath cum shaker	1	70,000
6.	Mixer Grinder	1	30,000
7.	Muffle furnace	1	1,00,000
8.	Water Still Distillation	1	50,000
9.	Kjeldhal digestion & distillation unit with glass ware	1	1,00,000
10.	Cabinet Germinator (Single chamber)	1	2,00,000
11.	Refrigerator	1	80,000

12.	Digital Microscope with LED monitor.	1	2,00,000
13.	Minor Instruments (Petri dishes, Forceps, Hand Lens, Seed Counting Board etc)	As per List enclosed	50,000

EMD of the successful bidder will be retained by the Department and the unsuccessful bidders will be returned without any interest. **The EMD amount will be released within one month to the unsuccessful bidders.**

Any attempt by a Bidder to influence the bid evaluation Process may result in the rejection of its RFP Proposal.

Bids received by Commissioner of Agriculture, Dept of Agriculture, Chuttugunta Center, Guntur, Andhra Pradesh shall be evaluated by a Technical committee formed for evaluation purposes in the presence of authorized person of the Company/agency. All bids shall be initially checked for satisfying the Tender Eligibility Criteria mentioned below. All bids that satisfy the eligibility criteria shall be considered for the Technical evaluation process.

2.2 Short listing Criteria

DEPARTMENT OF AGRICULTURE will shortlist the schedule/item wise bidders list who meet the Qualification criteria mentioned in this RFP document.

2.3 Technical Evaluation:

Only those bids which satisfy the Tender Eligibility criteria stated above shall be considered for the Technical evaluation.

- a) The Technical Evaluation Committee constituted by Government will evaluate the responses to the Tender and all supporting documents / documentary evidences. To assist in the examination, evaluation and comparison of bids Commissioner of Agriculture, Department of Agriculture, Andhra Pradesh, at its discretion may ask the bidder for clarification / confirmation of compliance of its bid. The request for clarification/ confirmation of compliance and the response shall be in writing. However, no post bid clarification / confirmation of compliance at the initiative of the bidder shall be entertained. Inability to submit requisite supporting documents/documentary evidence, may lead to rejection of the bid(s).
- b) The Technical Evaluation Committee reserves the right to reject any or all proposals on the basis of any deviations/non-conformances.
- c) The Technical Evaluation Committee reserves the right to accept or reject any bid, and to annul the Tender process at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation to inform the affected bidders of the grounds for this action.
- d) Each of the responses shall be evaluated as per the criteria and requirements specified in this Tender.
- e) The decision of the Committee will be final in this regard.

Bidder has to provide detailed technical specifications of the items they propose to supply, install and maintain for this project. Also, it is mandatory for the bidders to provide the Datasheet of each item they propose.

Note: During execution of the purchase order, if it is found that the technical specifications of any one or all items are inferior / lesser than the technical specifications stipulated in this tender document, then Commissioner of Agriculture, Department of Agriculture, Andhra

Pradesh shall technically disqualify the bidder and initiate appropriate action against such bidder.

2.4 Technical Evaluation Criteria:

S. No.	Criteria	Marks	Maximum Marks
1.	Bidders should have supplied the items given in the schedule at least 25 Government Or Private Organizations in India in the last 5 financial years Purchase Orders and Documentary evidence for delivery on client letter head to be submitted.	< 15 Organizations : 10 Marks 15-25 Organizations : 20 Marks > 25 Organizations : 30 Marks	30
2.	Bidders should have supplied at least 50 units per item to Government Or Private organizations in India, in the last 5 financial years. Purchase Orders and Documentary evidence for delivery on client letter head to be submitted.	< 10 Units : 5 Marks 11- 30 Units : 10 Marks >30- 50 Units : 20 Marks > 50 Units : 30 Marks	30
3.	Bidder should showcase the items for which they submitted Quote, to Technical Committee (on the day of submission of technical bid) The Committee will evaluate the items as per specifications. The functionality of the items shall be evaluated and marks will be awarded.	40 Marks	40
Total			100

Note : Minimum Qualification marks : 75

3.0 Commercial Bid Evaluation

All commercial bids submitted on the e-Procurement portal of technically qualified bidders only shall be opened on the specified date and time. The evaluation committee shall evaluate the commercial bid values to ascertain its compliance to the clauses / criteria stated in this tender document.

3.1 DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH's Right to Accept Any Bid and to reject any or All Bids

DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids at

any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH action.

3.2 Prices shall be quoted entirely in Indian Rupees. The prices shall be on a fixed price basis and should not be linked to the Foreign exchange. The accommodation, travel expenses, logistics, freight charges, Octroi and any other expenses for completing the Scope of Work, should be borne by selected bidder. The uploading of commercial bid along with the technical bid, will lead to rejection of the bid. The Charges/fees quoted should be inclusive of all taxes, duties, etc., and the same shall be deducted as per provisions of law. The bidder who has quoted the **lowest all-inclusive price** would be declared as L1 bidder.

The Department reserves the right to negotiate with the successful bidder based on the evaluation.

3.3 Reverse Auction:

After the closing of financial bid, Reverse auction will be initiated with all the technical qualified bidders. Obtaining of Digital keys is the sole responsibility of the bidder. Updating digital key and renewal is also responsible of the bidder. Department holds no responsibility for any lapses in obtaining or renewing of digital key for entering the financial bid. Registration for Reverse auction is also responsible of the bidder and department of Agriculture holds no responsibility in this matter.

4 Negotiations

On completion of Reverse auction, Commissioner of Agriculture, Department of Agriculture, Andhra Pradesh reserves the right to negotiate, if needed, with the L1 bidder(s) to reach a final agreement on procurement and signing of contract.

5 Award of Contract

Commissioner of Agriculture, Department of Agriculture, shall award the Contract to the successful bidder(s) whose bid has been determined to be substantially responsive and has been determined as the lowest price bid, provided further that the bidder abides by all clauses / criteria stated in the tender and is determined to be qualified to perform the Contract satisfactorily. In order to see the supply, execution of contract and commissioning across 147 constituency labs effectively and in a quickest possible time, the Commissioner, Department of Agriculture, may exercise the right to split the orders among the L1 and other lowest bidders subject to agreement to the terms and prices as of and at L1.

6 Warranty

The Supplier warrants that the Goods / items supplied under this Contract are new, unused, of the most recent or current models and they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods / items supplied under this Contract shall have no defect arising from design, materials or workmanship or from any act or omission of the Supplier that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.

This warranty shall remain valid for duration mentioned in this tender after the Goods / items or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the Contract.

All the equipment should be supplied with a minimum of 3 years warranty.

The equipment offered must be a recent model and spares and services must be available for at least 5 years after the warranty period.

The OEM/Authorized by OEM must have their After-Sales service centers in Andhra Pradesh.

The Annual Maintenance Contract (AMC) charges must be quoted for the next 5 years after the warranty period, wherever, it is required to undergo.

7 Change Orders

The Purchaser may at any time, by written order given to the Supplier, make changes within the general scope of the Contract.

If any such change causes an increase or decrease in the cost of, or the time required for the Supplier's performance (as a result of change in the volume/quantity of order) of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order.

8 Contract Amendments

Subject to tender clauses, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

9 Bidder's authorized signatory

A Proposal should be accompanied by an appropriate board resolution or power of attorney the name of an authorized signatory of the Bidder stating that he is authorized to execute documents and to undertake any activity associated with the Bidder's Proposal. A copy of the same should be uploaded under the relevant section/folder on the e-Procurement portal. Furthermore, the bid must also be submitted online after being digitally signed by an authorized representative of the bidding entity.

10 Signing of Contract

DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH will notify the successful Bidder that its bid has been accepted, DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH will send the bidder the Contract Form, incorporating all the agreements between two parties.

Within 15 days of receipt of the Contract Form, the successful bidder shall sign and date the contract and return it to DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH and send copy to DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH.

11 Assignment

The Bidder shall NOT assign to any third party, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

12 Subcontracts

The Bidder shall NOT subcontract this contract in whole or in part.

13 Delays in the Supplier's Performance

Delivery of the Goods / items and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser in the tender.

If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the Goods / items and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable, after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.

Except as provided under Force Majeure clause of this tender, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages (Department shall also blacklist the company/agency if found any deliberate or intentional delays), unless an extension of time is agreed upon pursuant to without the application of Liquidated damages.

14 Payment Terms

Payment to the successful bidder shall be made as per the terms defined below. **All payments shall be made in Indian Rupees only.** Payments are subject to deduction of taxes. Penalties, if any, as per the Service Levels defined in this tender, shall be deducted from the payments to be made to the successful bidder;

- a) **On Delivery:** 80% (Eighty percent) of the contract price shall be paid after receipt of equipment and submission of Acknowledgement of receipt of items duly signed along with seal by ADA (Regular) corresponding to each Agri lab. The bidder shall obtain individual UC in the in the format communicated by the Commissioner of Agriculture to process the bills.
- b) **On Final Acceptance:** The remaining 20% (Twenty percent) of the contract price of equipment shall be paid after successful installation, demonstration, Training and successful performance as certified by inspection team at the end user and upon the submission of consolidated Utilization Certificates from the concerned JDAs (In the format communicated by the Commissioner of Agriculture).

15. Force majeure

- a. The Firms/bidder shall not be liable for forfeiture of its EMD, liquidated damages, or termination for default if and to the extent that delays in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- b. For purposes of this clause, "Force Majeure" means an event beyond the control of the Firms/bidder and not involving the Supplier's fault or negligence and not foreseeable.

Such events may include, but are not restricted to, acts of the Department of

Agriculture in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

- c. If a Force Majeure situation arises, the Firms/bidder shall promptly notify the Department of Agriculture in writing of such condition and the cause thereof. Unless otherwise directed by Department of Agriculture in writing, the Firms/bidder shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

12.1 Termination for insolvency

Department of Agriculture may at any time terminate the contract by giving 30 days written notice to the Firms/bidder if the Firms/bidder becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Firms/bidder, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Department of Agriculture.

18. Termination for convenience

- a. Department of Agriculture, May at any time by giving 30 days written notice to the Firms/bidder, terminate the Contract, in whole or in part, for its convenience. The notice of termination shall specify that termination is for the Department of Agriculture/Purchaser's convenience, the extent to which performance of the Firms/bidder under the Contract is terminated, and the date upon which such termination becomes effective.
- b. Department of Agriculture may in the following events after giving a prior notice and conducting investigations if required, terminate:
 - i. If the Bidder becomes Bankrupt or financially insolvent during the period of the contract.
 - ii. If it is found that the bidder has been convicted, blacklisted for any unlawful activities.
 - iii. If it is found that bidder has made gross misconduct or involved in practices injurious to the image and interest of the Department or has failed in performing his duties as per contract.

19. Resolution of disputes

- a. Department of Agriculture and the Firms/bidder shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the contract.
- b. If, after thirty (30) days from the commencement of such informal negotiations, Department of Agriculture and the Firms/bidder have been unable to resolve amicably a contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified here in. These mechanisms may include, but are not restricted to, conciliation mediated by a third party.

The dispute resolution mechanism shall be as follows:

- c. In case of a dispute or difference arising between Department of Agriculture and the Firm /bidder relating to any matter arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, of India, 1996.

20. Governing language

The contract shall be written in English. All correspondence and other documents pertaining to the contract which are exchanged by the parties shall be written in same languages.

21. Applicable law

The contract shall be interpreted in accordance with appropriate Indian Laws.

22. Binding Clause

All decisions taken by DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH regarding the processing of this tender and award of contract shall be final and binding on all parties concerned.

23. Deviations

The bidder shall not be allowed to make any deviation whatsoever from the terms and condition and technical specifications specified in the Bid. Bidder has to submit his/her self-declaration for the same.

24. Confidentiality

Any attempt by a Bidder to influence DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH in the evaluation of the bids or Contract award decisions may result in the rejection of its bid.

If any Bidder wishes to contact the DEPARTMENT OF AGRICULTURE - GOVERNMENT OF ANDHRA PRADESH during/after opening of the Bid to award of contract. He may do so in writing.

25. Legal Jurisdiction

All legal disputes are subject to the jurisdiction of Courts at Guntur only

26. Notices

- a. Any notice given by one party to the other pursuant to this contract shall be sent to the other party in writing or by Telex, e-mail, Cable or Facsimile and confirmed in writing to the other party's address.
- b. A notice shall be effective when delivered or tendered to other party whichever is earlier.

27. Taxes and duties

The bidder shall be entirely responsible for all taxes, duties, license fee etc. incurred until delivery of the contracted services to Department of Agriculture or as per the terms of tender document if specifically mentioned.

28. Standards

- a. The technology and quality of the service should be of the highest standards available in the present market.
- b. Before shipping, the identified Firm will inform Department of Agriculture giving full details about these standards and take approval.

29. Performance Bank Guarantee:

The schedule/Item wise selected successful bidder(s) is required to furnish an unconditional and irrevocable Performance Bank Guarantee for an amount equal to 3% to 10% of the total order value based on the type of Equipment and is fixed by the Commissioner of Agriculture within the timelines stated in this tender. The Performance Bank Guarantee should be submitted for the total value of the item which includes Warranty costs and should be valid for 60 days beyond the warranty period. Failure of the successful bidder to comply with the requirement of submitting the Performance Bank Guarantee shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD. The model format of the Performance is also available in www.apagrisnet.gov.in.

30. Rejection of Bids:

Besides other conditions and terms highlighted in the tender document, bids may be rejected under following circumstances:

31. Technical Rejection Criteria

- Bids submitted without EMD & Tender Processing fee or with improper EMD& Tender Processing fee.
- Bids which do not conform to required validity period of the bid as prescribed in the Tender.
- Failure to conform to eligibility criteria & Technical evaluation (Specifications) as per this tender.
- If the information provided by the Bidder is found to be incorrect/ misleading at any stage/time during the Tendering Process.
- Any effort on the part of a Bidder to influence the bid evaluation, bid comparison or contract award decisions.
- Bids without signature of person (s) duly authorized on required pages of the bid.
- Bids without power of authorization and any other document consisting of inadequate proof of the ability of the signatory to bind the Bidder.
- Technical Bid containing commercial details.
- Revelation of Prices in any form or by any reason before opening the Commercial Bid.
- Failure to furnish all information required by the tender Document or submission of a bid not substantially responsive to the Tender Document in every aspect.
- Failure to furnish proofs for information provided.
- Bidders not quoting for the complete Scope of Work as indicated in the Tender documents, corrigendum / addendum (if any) and any subsequent information given to the Bidder.
- Bidders not complying with the Technical and General Terms and conditions as stated in the tender Document.
- The Bidder not conforming to unconditional acceptance of full responsibility of providing services in accordance with the Scope of work and Service Levels defined in this tender.
- If the bid does not conform to the timelines indicated in the bid.
- Any false declaration by the bidder during the bidding process, following action may be taken:

- Liable for Legal Action
- Forfeiture of entire EMD/PBG
- Forfeiture of any Released payments
- Blacklisting of the Vendor

32. Commercial Bid Rejection Criteria

- Incomplete Price Bid
- Price Bids in which prices are not quoted or zero price quoted for one or more items.
- Total price quoted by the Bidder does not include all statutory taxes and levies applicable.
- Conditional price bid.

Annexures – Bid Submission Formats

Annexure – 1

Technical Specifications Compliance sheet

The **Technical Specifications Compliance** sheet provided in this Tender document has to be filled, and signed with seal by authorized signatory of the bidder and uploaded

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along with the Technical bid. Technical specifications supported by printed literature of the manufacturer, giving all the details of conformity and non conformity if any be submitted. Additional features if any with support may also be submitted. Failure to submit the compliance sheet or bids with incomplete compliance sheet may be rejected by Commissioner of Agriculture, Department of Agriculture, Andhra Pradesh.

Annexure – 2

TENDER FORM

Date:

Tender No:

To,
Commissioner of Agriculture,
Department of Agriculture,
Chuttugunta Center, Guntur – 522004
Andhra Pradesh.

Sir,

Having examined the Tender Documents including Corrigendum / Addendum Nos.....
[insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned,
offer to supply and deliver..... (Description of Goods and
Services) in conformity with the said tender documents for the sum stated in the e-
Procurement portal for this tender.

We undertake, if our tender is accepted, to deliver the goods in accordance with the Project
Deliverables, Project Duration & Timelines.

If our tender is accepted, we will obtain the guarantee of a bank in a sum equivalent to 10%
percent of the total Contract Price or as fixed by the Commissioner of Agriculture for the
due performance of the Contract, in the form prescribed in this tender.

We agree to abide by this tender for the Tender validity period and it shall remain binding
upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this tender, together with your written
acceptance thereof and your notification of award, shall constitute a binding Contract
between us.

We undertake that, in competing for (and, if the award is made to us, in executing) the
above contract, we will strictly observe the laws against fraud and corruption in force in
India.

We understand that you are not bound to accept the lowest or any tender you may receive.

We clarify/confirm that we comply with the eligibility requirements as per clauses of the
tender.

Dated this day of 2021

(Signature) (in the capacity of)

Duly authorized to sign Tender for and on behalf of _____

Annexure –3

Turnover

*[Auditor's certificate shall be issued by the Chartered Accountant Firm/Chartered
Accountant who regularly audit the Company's accounts]*

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the annual turnover furnished by << COMPANY NAME >> for last 3
years i.e. 2017-18, 2018-19 and 2019-20 as below. This is as per the Statement of
Accounts which has been duly verified by me and found correct.

Financial year	Total Turnover of the Company (Rs. In Lakhs)	Total Turnover from sales (Rs. In Lakhs)
2017-18		
2018-19		
2019-20		

Chartered Accountant Name& Address:

Signature:

Seal:

Annexure – 4

Manufacturer Authorization Form (MAF)

[On Original Equipment Manufacturers' (OEM) Letter Head]

Note: This letter of authority should be on the letterhead of the concerned manufacturer and should be signed by a person competent and having the power of attorney to bind the manufacturer.

Manufacturers Authorization Form (MAF)

Date: dd/mm/yyyy

To,
Commissioner of Agriculture,

File No.AGC02-35026/4/2021-AGRI-LABS

Department of Agriculture,
Chuttugunta, Guntur – 522004
Andhra Pradesh.
Sir,

Sub: Manufacturer Authorization for Supply of Equipment (Fertilizer, seed & Pesticides) to Agri Labs.

Ref.: Tender No: <TENDER REFERENCE NUMBER> dated <DD/MM/YYYY>

We also certify that the Products offered would not be discontinued or be declared end-of-life or end-of-support for a period of 5 years from the date of Purchase Order.

We hereby extend our full guarantee and warranty for 3 (Three) years, as per tender clauses for the items offered for supply and support by the above firm against this tender.

Yours faithfully,

(Name)

(Name of the OEM and seal)

Commercial Bid through Online at www.apecurement.gov.in

Annexure – 5

Undertaking on Not Being Black-Listed

(On company/Agency letter head)

Undertaking on Not Being Black-Listed

Date: dd/mm/yyyy

To,
Commissioner of Agriculture,
Department of Agriculture,

File No.AGC02-35026/4/2021-AGRI-LABS

Chuttugunta Center, Guntur – 522004
Andhra Pradesh.

Sir/Madam,

Sub.: Undertaking on not being blacklisted.

Ref.: Tender No: <TENDER REFERENCE NUMBER> dated <DD/MM/YYYY>

We hereby confirm that << COMPANY NAME >> is not blacklisted by the Government of Andhra Pradesh or any of its agencies for any reasons whatsoever and not blacklisted by Central / any other State / UT Government or its agencies for indulging in corrupt or fraudulent practices or for indulging in unfair trade practices as on date of publishing of this tender.

Yours faithfully,

Authorized Signatory

Name of Signatory:

Date:

Place:

Note: This undertaking should be on the letter head of the bidder and should be duly signed and sealed by the authorized signatory of the bidder.

Annexure – 6

Undertaking on Acceptance of Terms and Conditions in Tender
(On company/Agency letter head)

Undertaking on Acceptance of Terms and Conditions in Tender

Date: dd/mm/yyyy

To,
Commissioner of Agriculture,
Department of Agriculture,
Chuttugunta, Guntur – 522004
Andhra Pradesh.

Sir / Madam,

Sub.: Undertaking on acceptance of terms and conditions of this Tender.
Ref.: Tender No: <TENDER REFERENCE NUMBER> Dated <DD/MM/YYYY>

I have carefully gone through the Terms & Conditions contained in this tender document.

I hereby confirm that all the provisions of this tender Document & Corrigendum / Addendum issued are acceptable to my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Yours faithfully,

Authorized Signatory

Name of Signatory:

Date:

Place:

Note: This undertaking should be on the letter head of the bidder and should be duly signed and seal affixed by the authorized signatory of the bidder.

Annexure-7

Undertaking on litigation(s)
(On company's letter head)

To,
Commissioner of Agriculture,
Department of Agriculture,
Chuttugunta Center, Guntur – 522004
Andhra Pradesh.

Undertaking on litigation(s)

This is to certify that << COMPANY NAME >> is not involved in any major litigation(s) that may have an impact of affecting or compromising the delivery of services as required under this Tender.

Yours faithfully,

Authorized Signatory

Name of Signatory:

Date:

Place:

Note: This undertaking should be on the letter head of the bidder and should be duly signed and seal affixed by the authorized signatory of the bidder.

Annexure-8

Performance Bank Guarantee (PBG)

To,
Commissioner of Agriculture,
Department of Agriculture,
Chuttugunta Center, Guntur - 522004
Andhra Pradesh.

WHEREAS (Name of Supplier)

hereinafter called "the Supplier" has undertaken, in pursuance of Contract No..... dated,..... 2020 to supply.....(Description of Goods and Services) hereinafter called "the Contract".

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a Guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of (Amount of the Guarantee in Words and Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limit of (Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until theday of.....2021.

Signature and Seal of Guarantors

.....
.....
.....

Date.....2021

Address:.....

.....

SECTION 3: DRAFT CONTRACT AGREEMENT

THIS AGREEMENT made theday of....., 2021 Between (Name of purchaser) of..... (Country of Purchaser) (here in after called "the Purchaser") of the one-part and..... (Name of Supplier) of..... (City and Country of Supplier) (here in after called "the Supplier") of the other part:

WHEREAS, the Purchaser is desirous that certain Goods and ancillary services viz. (Brief

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Description of Goods and Services) and has accepted a tender by the Supplier for the supply, installation & maintenance of those goods and services in the sum of..... (Contract Price in Words and Figures) (here in after called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - a) this Tender document no./...../.....
 - b) all corrigendum / addendum published for this tender
 - c) the Tender Form and the Price Schedule submitted by the Bidder;
 - d) the Schedule of Requirements;
 - e) the Technical Specifications;
 - f) the General Conditions of Contract;
 - g) the Special Conditions of Contract; and
 - h) Technical Bid, Commercial Bid & other letters (if any) from vendor accepting abidance to the tender conditions.
 - i) the Purchaser's Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

Brief particulars of the goods and services which shall be supplied/ provided by the Supplier are as under:

(Information for Bidders it should not be uploaded in e-Portal)

S. No.	BRIEF DESCRIPTION OF GOODS & SERVICES	QUANTITY TO BE SUPPLIED	UNIT PRICE	TOTAL PRICE	DELIVERY TERMS

TOTAL VALUE:

DELIVERY SCHEDULE:

IN WITNESS where of the parties here to have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, Sealed and Delivered by the
said..... (For the Purchaser)
in the presence of:

Signed, Sealed and Delivered by the
said (For the Supplier)
in the presence of:.....

Annexure – A

1. Plasticware & Miscellaneous items list with specifications

S.no	Item	Requirement in No	Specs
1	Plastic Trays	6	Medium
2	Cleaning Brushes	4	Paint brushes, flat
3	Calculators	2	Casio
4	Folding Knives	4	Small

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5	Scissors	2	Medium
6	Thread	2 bundles	Twine
7	Bottle cleaning brushes	2	Medium
8	Distilled Water Wash bottles	10	HDPE 500mL capacity
9	Rubber Sucking bulbs	10	Medium
10	Rubber Cones	3	For 2 Lt Filtering Flasks
11	Horn Spatula	4	SS spatula of 200mm
12	Tongs	3	Laboratory crucible SS tongs
13	Stainless Steel Spatulas	2	1 gram
		2	2 grams
14	LPG standard pipe with steel mesh support and fire proof.	10 mts/Std. length	8mm Diameter
15	Silicon rubber tube(Soft Transparent)	25 mts	8mm Diameter
16	Rubber tubes (Soft for water circulation)	20 mts	8mm Diameter
17	Filter paper No 1 (Circles) or equivalent	2 boxes	Standard ones
18	Filter paper No 1 sheets or equivalent	10 nos	Standard ones
19	Filter paper No 42 (Circles) or equivalent	2 boxes	Standard ones
20	Filter paper No 40 (Circles) or equivalent	2 boxes	Standard ones
21	Sieves of sizes and collecting pan		As per BIS standards with calibration certificate from an ISO 17025-2017 accredited laboratory.
	0.25 mm	1	
	1.00mm	1	
	1.4mm	1	
	1.70mm	1	
	2.0mm	1	
	2.8mm	1	
	4.0mm	1	
	5.0mm	1	
	Collecting pan	1	Standard size
22	Kalpi Papers	100 sheets	Standard ones
23	Safety Equipment	2	
24	Apron	4	40" cotton Laboratory Aprons-2 Nos. 42" cotton Laboratory Aprons-2 Nos. With Hangers
25	Hand Gloves	6Pks. (M=3 & L=3)	Powder free nitrile gloves Medium and Large
26	Face Mask	6 Pks	N 95 or equivalent
27	Goggles	6 Nos	Laboratory Safety Goggles
28	Hand wash	12 Nos	Standard/Popular product
29	Tray Stand	12 Nos	Assorted sizes made of steel

			with ceramic coating.
30	HDPE Plastic bottles along with rotating caps(White colour) (50ml)	100 Nos	HDPE Quality
31	Teflon Tape roles	10 Nos	Standard size of 0.75 inches
32	Polythene bags (Translucent)	200 Nos.	7x9 inches size @100 Nos/kg quality
33	Polythene bags sealing machine (Electric)	1 No.	One feet length
34	Sealing Wax (Lacca pencils)	1-Packets	Ten pencils each packet
35	Candles	1-Packets	Ten candles each packet(Convenient size)
36	Twine thread (Bindles)	1-Bindles	200 gr weight
37	Quora cloth bags	200 Nos.	7x9 inches size
38	Polythene hand gloves	5-Packets	Medium size @25/per pack
39	Plastic Table Spoons	5 Nos.	Table spoon size (Standard size)

Equipment list with specs:

S · N o	Item	Specifications	Re qui re me nt in No ·
2	Vacu um pum p	Vacuum pump: Vacuum regulator to adjust pump vacuum Auto shut off when overheated Should have Max vacuum of 100 mbar. Should have Max flow rate of 17L/min. Motor rotation should be 1440 rpm. Noise level should be less than 50dB Warranty for Vacuum pump: 3 years	1
3	Vac uum Desi ccat or	Desiccator Vacuum 200mm Stopcock with PTFE Spindle and Porcelain Plate Complies with IS 6128 (or equivalent with documentary proof) Sturdy construction of borosilicate glass 3.3 expansion Ground glass flanges Plates are positioned on an internal ledge within the base Comes with glass stopcock at the top.	1
4	Desi ccat or	Desiccator: 200 mm Robust Desiccator base and cover in borosilicate glass Complies with IS 6128 or equivalent with documentary proof Ground glass flanges Plates are positioned on an internal ledge within the base	1
5	Wat er bath cum shak er	Shaking Water bath of 20 litre capacity a) To work on 220V/50Hz b) Four flask holder c) It should have a removable SS tray of modular design to accommodate flask holders of different capacities	1

		<p>d) Stroke length should be at least 25 mm.</p> <p>e) It should be double walled, insulated and with full SS GMP construction.</p> <p>f) Made of SS interior and MS PC coated exterior</p> <p>g) It should have hinged gabled SS lid.</p> <p>h) Thermostat with digital read out and control.</p> <p>i) Should have PUF insulation.</p> <p>j) It should have a temperature range of ambient +5 to 80°C.</p> <p>k) Temperature Accuracy: $\pm 1^{\circ}\text{C}$ at 37°C.</p> <p>l) It should have digital RPM indication with a range of 30 to 150 or more.</p> <p>m) With digital read out and regulator.</p> <p>n) Moving Tray Size 350 X 300 X 110mm</p> <p>o) Digital display of shaking speed, timer should be available.</p> <p>p) Facility to drain out the bath contents.</p> <p>q) Shaking water bath should be compact</p> <p>r) All necessary accessories should be supplied by the vendor.</p> <p>s) Warranty 3 years.</p>	
6	Mixer Grinder	<p>Mixer Grinder with multiple Stainless Steel jars</p> <ul style="list-style-type: none"> • 100% Stainless Steel Jars with flow breakers for fine grinding • The Jars and blades to be made of Rust proof material and the Lids to be made of unbreakable polycarbonate material • Power - 750 Watts • Operating Voltage – 230 volts • Over load protection should exist. • 3years warranty 	1
7	Muffle furnace	<ul style="list-style-type: none"> • Bench Top Model with light weight and fast heating system • Body make of thick mild steel duly powder coated. • Internal chamber size – 6" x 6"x 12" with swing aside door at the front • Should work on 230V /50 Hz. • Shock proof • Well insulated • To work up to 900°C. • Microprocessor based Digital temperature fitted with thermal fuse and thermocouple with ceramic wool insulation. • Adjustable air inlet integrated in the door • With digital display of temperature with regulator. • with a thermocouple to give an accuracy of $\pm 1^{\circ}\text{C}$ • one pair of furnace gloves and one crucible tongs. • Warranty 3 years. 	1
8	Water Distillation Still	<p>a. To work on 220/230V ac, 50/60 Hz.</p> <p>b. Stainless steel single vertical Water Distillation unit</p> <p>c. Power Rating: 5.0 KW</p> <p>d. Should be equipped with PTS.</p> <p>e. Output: 4 Lt/hr.</p> <p>f. The unit should switch off in case of no sufficient water level in boiler.</p> <p>g. With Safety devices.</p> <p>h. And Stainless Steel stand</p> <p>i. Along with reservoir with control valve.</p>	1
9	Kjeldhal dige	<p align="center">Kjeldahl nitrogen distillation apparatus (Manual)</p> <p>a) Soxhlet extraction heater with 3 mantles of 1000mL capacity.</p>	1 ea ch

	stion & distillation unit with glass ware	<ul style="list-style-type: none"> b) Built with 304 grade steel and PC coated. c) Glass insulated. d) With vertical and horizontal control clips. e) Should have individual timer and thermostat control. f) Ammonia distillation assembly complete set (2 no's) with Graham condenser with I/C joint 24/29 g) Spare Flasks, Kjeldahl, Round Bottom, Long Neck with 24/29 I/C joint, 500mL and 800mL capacity each. h) Along with Graham condenser of 400mm and I/C joints on either side of 24/29 size. i) Splash guard/head with 24/29 size. (2nos) j) Recovery Bend vertical with I/C 24/29 joints either side for distillation purpose. (2nos) k) Receiver adopter with 24/29 I/C joint (one side only) (2 no's) 	
10	Cabinet Germinator (Single Chamber)	<ul style="list-style-type: none"> • No. of chambers- one (heating & cooling) • Chamber size- (HxWxL) 90x55x60cm (Approx) • Capacity- 10 cu. ft. (approx) • Inside chamber- stainless steel grade 304 • Outside chamber painted steel of 20 SWG • Fully programmable for light and temperature • Data storage capacity – 1000 readings • Programmable lock - Watch dog timer for smooth running of the correct programme. • Display- 2x16 characters alpha numeric LED display with backlit. • Alarm- Audio visual alarm for temperature & humidity deviation. • Temperature- Microprocessor based control 10-45⁰ c ± 1⁰ c • Evaporator - finned tube. • Compressor- Hermetically Sealed type of standard make with ISI mark • Light- 700-1250 lux intensity of light. • Humidity- 95% (± 3% RH) Humidity with humidifier, controlled by good quality humidistat at panel & to read humidity inside the chamber a digital humidity meter should be displayed. • No of Trays – adjustable 3 stainless steel (perforated) • The germinator meets the CE safety test standards. • Temperature and humidity sensor • Glass window on the door with magnetic gasket. • Inclusive of suitable Voltage Stabilizer • Warranty :3 years on entire equipment. 	1
11	Refrigerator	<ul style="list-style-type: none"> • Double door Frost free Refrigerator of capacity : 245 to 275 Lt • Vertical Refrigerator. • With Inverter compressor • Interior Lamp : Required • Refrigerator Shelf Type : Toughened Glass • In built Stabilizer / stabilizer free operation • Door lock • Energy Efficiency: 3 Star rating or better. • Voltage : 220 – 250volts • Warranty : One year on Product and 10 years on Compressor 	1
12	Digital	<ul style="list-style-type: none"> • Complete Digital Microscope system with a LED monitor with swing arm stand 	1

	Micr osc ope with LED mon itor	<ul style="list-style-type: none"> • With Photo capturing mechanism • Optics - Digital magnification range 10× to 100× (including 0.8× objective) with a 7” monitor or larger • Working distance –10 mm to 110 mm • Digital camera with 5 megapixel resolution or better. • Auto focus • Direct recording to SD card • LED ring illuminator • Digital Microscope system should have been recommended for Agriculture/Life Sciences use. • Should be used for visual inspection of Seed Purity, other distinguishable varieties, inert matter etc • The Digital Microscope should have the facility to connect to a PC via USB cable, SD card provision, • Resolution – 1280 X 720 – 50 Hz • Zoom in and Zoom out feature • HDMI and USB cables • Includes Software • Guarantee : 1 year (To replace complete instrument within 15 days of communication, if machine found to be faulty) • Warranty: 3 years 	
1	Minor Instr ume nt (Petr i dish es, force ps, Han d Lens , See d Cou nting boar d) etc.,	a) Sample pans- Made of aluminium, Size 30x40x5.0cm, 20x30x3.8cm, 12.5x15x2.2cm.	20 ea ch
3		b) Petri dishes	20
		c) Forceps - Small/large.	20
		d) Aluminium dishes. (5,10 cm dia)	10 ea ch
		e) Plastic boxes- various size.	20
		f) Hand Lens (10x)	5
		g) Seed counting Board Plastic sheet with spring with Glossy finish – 50 holes	2
		h) Seed counting Board - Plastic sheet with spring with Glossy finish – 100 holes	2

Note: The Specifications provided above are minimum and the bidders are free to quote any equipment which are equivalent or better in terms of specifications.

Quality of the Equipment & Timeliness of Supply:

The successful bidder should not compromise on the quality and should supply the equipment strictly as per tender specifications.

The entire infrastructure supplied by the Bidders will be verified by a team of technical experts after the completion of supply.

Any equipment, if found sub- standard or not as per Tender specifications, the supplier is liable to the action taken by the Department of Agriculture and the Supplier will be

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blacklisted in the state on participation of future Tenders and the same will be publicized across the country.

The Supplier should supply the equipment to the Labs as mentioned in the Purchase Order within 30 days failing which the bidder attracts for penalization.

Annexure-B

The bidders shall deliver/supply the Equipment/items at the following Lab locations.

S No	District	Name of the Constituency	Location of the Lab
1	Srikakulam	Ichchapuram	Near Venkateswara Swamy temple, Sompeta
2	Srikakulam	Palasa	AMC, Palasa
3	Srikakulam	Tekkali	Near Tahsildar Office, Tekkali
4	Srikakulam	Narasannapeta	AMC, Narasannapeta
5	Srikakulam	Pathapatnam	Near Bus Stand, Kotturu
6	Srikakulam	Amadalavalasa	AMC, Amadalavalasa

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7	Srikakulam	Etcherla	Near Junior College, Kondamulagam Village, Ranastalam Mandal
8	Srikakulam	Rajam	AMC, Rajam
9	Srikakulam	Palakonda	AMC, Palakonda
10	Vizianagaram	Kurupam	AMC, Kurupam
11	Vizianagaram	Parvathipuram	AMC, Parvathipuram
12	Vizianagaram	Salur	AMC, Salur
13	Vizianagaram	Bobbili	MPDO office premises, Bobbili
14	Vizianagaram	Cheepurupalli	Sy No. 51/1, ICDS Office Complex, Cheepurupalli
15	Vizianagaram	Vizianagaram	Sy No.213/3P Sarika Village, Vizianagaram.
16	Vizianagaram	Nellimarla	Sy N. 75/1C, MPDO Office, Nellimarla
17	Vizianagaram	Srungavarapukota	At MAO office, Kothavalasa
18	Visakhapatnam	Bhimili	AMC, BHIMILI
19	Visakhapatnam	Chodavaram	AMC, CHODAVARAM
20	Visakhapatnam	Madugula	Near Venkateswara swamy temple, Madugula
21	Visakhapatnam	Araku Valley	YARD FARM, ARAKU - DEPT OWN SITE
22	Visakhapatnam	Paderu	CHINTHAPALLI - DEPT OWN SITE
23	Visakhapatnam	Narsipatnam	AMC, Narsipatnam
24	Visakhapatnam	Anakapalle	AMC – ANAKAPALLE
25	Visakhapatnam	Yelamanchili	Near ICDS Office, Line Kothur, Yelamanchili
26	Visakhapatnam	Payakaraopet	AMC - PAYAKARAO PETA
27	East Godavari	Pithapuram	Near MPDO OFFICE , PITHAPURAM
28	East Godavari	Tuni	MAO Office Site, Tuni
29	East Godavari	Prathipadu	MPDO OFFICE PREMISES, SHANKAVARAM
30	East Godavari	Anaparthi	Govt Land, near MPDO Office, Anaparthi
31	East Godavari	P Gannavaram	Sy.No.41, P.Gannavaram Village
32	East Godavari	Kothapeta	AMC, Ravulapalem
33	East Godavari	Mandapeta	Govt Land Sy.No 323/2 Tapeswaram
34	East Godavari	Rajanagaram	MPDO OFICCE PREMISES, KORUKONDA
35	East Godavari	Rajahmundry Rural	Sy No.331/1B Pidimgoyya Gram Panchayat, Rajahmundry
36	East Godavari	Jaggampeta	MRO Office Compound, Jaggampeta.
37	East Godavari	Rampachodavaram	Back side of Housing board colony, R.S.No.92/2, Rampachodavaram
38	East Godavari	Kakinada Rural	AMC, Nadakuduru, Karapa Mandal
39	East Godavari	Mummidivaram	AMC, Mummidivaram
40	East Godavari	Amalapuram	Beside VeterienaryTrgInstitue, Idarapalli
41	East Godavari	Ramachandrapuram	AMC, Draksharamam
42	East Godavari	Razole	Tahsildar office complex, Razole
43	West Godavari	Kovvur	Kumaradevam (Panchayat land)

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44	West Godavari	Nidadavole	BC Lab, Nidadavole compound
45	West Godavari	Undi	AMC, Undi
46	West Godavari	Tanuku	Sy No.207/4,5 Iragavaram.
47	West Godavari	Denduluru	OLD FTC site, Gopannapalem
48	West Godavari	Eluru	IADP campus,Eluru
49	West Godavari	Gopalapuram	AMC,Gopalapuram
50	West Godavari	Polavaram	AMC, Koyyalagudem
51	West Godavari	Chintalapudi	AMC,Chintalapudi
52	West Godavari	Achanta	ADA office, Maruteru
53	West Godavari	Narasapuram	AMC, Narasapuram
54	West Godavari	Bhimavaram	AMC, bhimavaram
55	West Godavari	Unguturu	Beside MeeSeva, Opp to MRO Office, Bhimadole
56	West Godavari	Palakollu	AMC, Palakol
57	Krishna	Tiruvuru	AMC, A Konduru
58	Krishna	Nuzvid	AMC, Nuzividu
59	Krishna	Mylavaram	AMC, Mylavaram
60	Krishna	Kaikalur	AMC, Kaikalur
61	Krishna	Pedana	AMC, Pedana
62	Krishna	Pamarru	AMC, Pamarru
63	Krishna	Nandigama	AMC, Nandigama
64	Krishna	Jaggayyapeta	AMC, Jaggayyapeta
65	Krishna	Gudivada	AMC, Gudivada
66	Krishna	Machilipatnam	AMC, Machilipatnam
67	Krishna	Avanigadda	Revenue site, Avanigadda
68	Krishna	Penamaluru	AMC, Kankipadu
69	Guntur	Pedakurapadu	AMC, Krosur
70	Guntur	Tadikonda	MPDO Office Compound, Tadikonda
71	Guntur	Mangalagiri	MPDO Office, Mangalagiri
72	Guntur	Ponnuru	Veterienary Hospital compound, Nidubrolu
73	Guntur	Vemuru	AMC, Vemuru
74	Guntur	Tenali	AMC, Tenali
75	Guntur	Prathipadu	MPDO Office, Prathipadu
76	Guntur	Chilakaluripet	AMC, Chilakaluripet
77	Guntur	Narasaraopet	AMC, Narsaraopet
78	Guntur	Sattenapalle	NSP office Site, Sathenapalli
79	Guntur	Gurajala	Oil Seed Godown, Piduguralla
80	Guntur	Macherla	AMC, Macherla
81	Guntur	Repalle	AMC, Repalle
82	Guntur	Bapatla	AMC, Bapatla
83	Guntur	Vinukonda	AMC, Vinukonda
84	Prakasam	Yerragondapalem	MPDO Office complex, Yerragondapalem
85	Prakasam	Darsi	AMC, Darsi
86	Prakasam	Parchur	AMC, Parchur
87	Prakasam	Addanki	AMC, Addanki

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88	Prakasam	Santhanuthalapadu	AMC, Santhanuthalapadu
89	Prakasam	Kandukur	AMC, Kandukur
90	Prakasam	Markapuram	AMC, Markapuram
91	Prakasam	Giddalur	AMC, Giddalur
92	Prakasam	Kanigiri	AMC, Kanigiri
93	Prakasam	Chirala	AMC, Desaipeta, Vetapalem
94	Prakasam	Kondepi	AMC, Singarayakonda
95	Nellore	Kavali	MRO Office Compound, Kavali
96	Nellore	Atmakur	RDO Office Compound, Atmakur
97	Nellore	Kovur	AMC, Kovur
98	Nellore	Sarvepalli	AMC, Podalakur
99	Nellore	Gudur	RDO Office Compound, Gudur
100	Nellore	Sullurpeta	AMC, Sullurpeta
101	Nellore	Venkatagiri	AMC, Venkatagiri
102	Nellore	Udayagiri	AMC, Udayagiri
103	Kadapa	Badvel	AMC, Badvel
104	Kadapa	Rajampet	Tallapaka Village, Oppt RTO Office, Rejampet
105	Kadapa	Kodur	Old MPDO Quarters building site Sy.No.684/2B
106	Kadapa	Rayachoti	AMC, Rayachoti
107	Kadapa	Pulivendla	AMC, Pulivendala
108	Kadapa	Kamalapuram	MPDO Complex, Kamalapuram
109	Kadapa	Jammalamadugu	Opp MPDO office, Mudhanur.Sy.No.406/1
110	Kadapa	Proddatur	Opp Govt Hospital, Proddatur
111	Kadapa	Mydukur	Beside CLRC Building, Mydukur
112	Kurnool	Allagadda	MPDO Office premises, Allagadda
113	Kurnool	Srisailam	Premises of ADA(R), Atmakur
114	Kurnool	Nandikotkur	Premises of ADA(R), Nandikotkur
115	Kurnool	Panyam	Park Road, Beside NH 40, Panyam
116	Kurnool	Nandyal	FTC Compound, Nandyal
117	Kurnool	Banaganapalle	AMC, Koilakuntla
118	Kurnool	Dhone	AMC, Dhone
119	Kurnool	Pattikonda	AMC, Pattikonda
120	Kurnool	Kodumur	AMC, Gudur
121	Kurnool	Mantralayam	Kalludevakunta Road, Manchala Village
122	Kurnool	Adoni	AMC, Adoni
123	Kurnool	Alur	AMC, Alur
124	Anantapur	Rayadurg	AMC, Rayadurgam
125	Anantapur	Uravakonda	AMC, Uravakonda
126	Anantapur	Guntakal	AMC, Gooty
127	Anantapur	Tadipatri	AMC, Tadipatri
128	Anantapur	Singanamala	AMC, Narpala
129	Anantapur	Kalyandurg	AMC, Kalyanadurg
130	Anantapur	Madakasira	AMC, Madakasira
131	Anantapur	Penukonda	AMC, Penukonda

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132	Anantapur	Puttaparthi	AMC, Kothachervu
133	Anantapur	Dharmavaram	AMC, Dharmavaram
134	Anantapur	Kadiri	Near New RDO office, Hindupuram Road, Kadiri
135	Anantapur	Hindupuram	Premises of ADA(R), Hindupuramu
136	Chittoor	Thamballapalle	AMC, Molakacheruvu
137	Chittoor	Pileru	AMC, Pileru
138	Chittoor	Madanapalle	AMC, Madanapalle
139	Chittoor	Punganur	AMC, Somala
140	Chittoor	Chandragiri	AMC, Chandragiri
141	Chittoor	Srikalahasti	AMC, Srikalahasti
142	Chittoor	Sathyavedu	Telugu Ganga Site, Behind ADA Office, Sathyavedu
143	Chittoor	Nagari	AMC, Nagari
144	Chittoor	Gangadhara Nellore	AMC, Penumuru
145	Chittoor	Puthalapattu	MAO Office premises, Thavanampalli.
146	Chittoor	Palamaner	Premises of ADA(R), Palamaneru
147	Chittoor	Kuppam	AMC, Kuppam