

Tender Schedule (RFP) for Selection of Agencies for Supply of Equipment for Soil Testing in Andhra Pradesh



Department of Agriculture
Government of Andhra Pradesh
Commissioner & Director of Agriculture
Chuttugunta Center, Old Mirchi Yard, Guntur - 522004
Ph: 0863-2216461
e-mail:
comagr.ap@gmail.com
jda.soilcorrelatorap@rediffmail.com

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 Soil Testing in the state of Andhra Pradesh.

All the interested bidders shall pay EMD and submit their Technical responses (off line) in sealed envelope(s) and financial responses (Online only) through AP 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	28-03-2023
Prebid Meeting	31-03-2023 11 AM @ IHC Corporate, Bus Depot Road, Mangalagiri, Guntur Dist.
Technical Bid Cover submission Date/time (Offline)	05-04-2023 12.00 Noon Demo on functioning of the product must be displayed by the bidder on the same day
Communication to technically qualified bidders	08-04-2023 through e-mail/Phone
Financial Bid Submission (e procurement portal only)	10-04-2023 1.00 PM Reverse Auction will follow
DEPARTMENT OF AGRICULTURE Contact person	Spl. Commissioner of Agriculture, Section Contact No: Asst Director - 83310 56034 Joint Director - 98494 39369
DEPARTMENT OF AGRICULTURE Reference No.	AGC02-11027/7/2023

For any assistance with regard to e-Procurement 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 Spl 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 Soil Testing in Andhra Pradesh at different locations as listed under “Annexure - B” of this document.

Special Commissioner of Agriculture shall issue Purchase Orders (POs) to supply of Soil Testing Equipment based on the need and requirement from time to time. 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 suppliers for Equipment to Soil Testing in Andhra Pradesh

Time schedule of various tender related events:

Bid calling date	28-03-2023
Prebid Meeting	31-03-2023 11 AM @ IHC Corporate, Bus Depot Road, Mangalagiri, Guntur Dist.
Technical Bid Cover submission Date/time (Offline)	05-04-2023 12.00 Noon Demo on functioning of the product must be displayed by the bidder on the same day
Communication to technically qualified bidders	08-04-2023 through e-mail/Phone
Financial Bid Submission (e procurement portal only)	10-04-2023 1.00 PM Reverse Auction will follow
DEPARTMENT OF AGRICULTURE Contact person	Spl. Commissioner of Agriculture, Section Contact No: Asst Director - 83310 56034 Joint Director - 98494 39369
DEPARTMENT OF AGRICULTURE Reference No.	AGC02-11027/7/2023

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

Sd/-
Spl. Commissioner of Agriculture
AP, Guntur

Table of Contents

S No	Description	Page No
SECTION 1: SCOPE OF WORK AND TECHNICAL REQUIREMENTS		
1	Introduction	7
2	Scope of Work	7
3	Technical Specifications of Equipment	8
4	Project Duration & Timelines	8
	4.1 Duration	8
	4.2 Timelines	8
SECTION 2: INSTRUCTIONS TO BIDDERS & BID PROCESS		
1	General Instructions to Bidders	9
	1.1 Completeness of Response	9
	1.2 Proposal preparation costs & related issues	9
	1.3 Right to terminate the process	9
	1.4 Amendment to RFP	10
	1.5 Language of Bid	10
	1.6 Bid Document	10
	1.7 Preparation of Proposals	10
	1.8 Submission of Responses	11
	1.9 Financial Proposal	11
2	Technical Eligibility Criteria	12
	2.1 EMD	13
	2.2 Shortlist Criteria	14
	2.3 Technical Evaluation	14
	2.4 Technical Evaluation Criteria	15
3	Commercial Bid Evaluation	16
	3.1 Right to Accept or Reject the Bid	16
	3.2 Prices of bid	16
	3.3 Reverse Auction	17
4	Negotiations	17
5	Award of Contract	17
6	Warranty	17
7	Change Orders	18
8	Contract Amendments	18
9	Bidders Authorized Signatory	18
10	Signing of Contract	18
11	Assignment	19
12	Sub Contracts	19
13	Delays in the Supplier's Performance	19
14	Payment terms	19
15	Force majeure	20
16	Termination of insolvency	20
17	Termination of Convenience	20
18	Resolution of disputes	20
19	Governing Languages	21
20	Applicable Law	21

21		Binding Clause	21
22		Deviations	22
23		Confidentiality	22
24		Legal Jurisdiction	22
25		Notices	22
26		Taxes & duties	22
27		Standards	22
28		Performance Bank Guarantee	23
29		Rejection of Bids	23
30		Technical Rejection Criteria	23
31		Commercial Rejection Criteria	24
Annexure – 1:		Technical Specifications Compliance sheet	25
Annexure – 2:		Tender Form	26
Annexure – 3:		Turnover	27
Annexure – 4:		Manufacturer Authorization Form (MAF)	28
Commercial Bid			29
Annexure – 5		Undertaking on Not Being Black-Listed	30
Annexure – 6		Undertaking on Acceptance of Terms and Conditions in Tender	31
Annexure - 7		Undertaking on litigation(s)	32
Annexure - 8		Performance Bank Guarantee (PBG)	33
SECTION 3: DRAFT CONTRACT AGREEMENT			34
Annexure – A		Schedule wise Technical Specifications of the equipment	36
Annexure –B		Location of Labs for supply of equipment	49

SECTION 1: SCOPE OF WORK AND TECHNICAL REQUIREMENTS

1. Introduction

Soil testing is a crucial activity that helps to determine the nutrient levels and overall health of the soil. To bring soil testing activities closer to farmers and encourage them to use optimum fertilizers based on soil health card reports, the Government of Andhra Pradesh has proposed to establish more soil testing labs in the state. This year, the Agriculture Department plans to collect soil samples through RBK staff at the village level, analyze them at existing and new soil testing labs, and distribute soil health cards to farmers.

The agricultural department has set a goal of analyzing a large number of soil samples, covering all the farmers in the state in coming three years (2023-24, 2024-25 and 2025-26). To achieve this, the government has decided to procure advanced soil testing equipment and provide them to the proposed new soil testing labs in the state. This equipment's will help to increase the accuracy and efficiency of soil testing, ensuring that farmers receive the most reliable information about their soil health.

2. Scope of Work :

Soil samples are collected from farmer's field and analyse the samples so as to educate the farmers to apply recommended dose of Fertilizers and also rectify micro nutrient deficiencies. During the year 2023-24 the agricultural department has planned to analyze huge number of soil samples covering all the farmers in the state. In this connection it is decided to procure certain soil testing equipment to the Soil testing labs across the State.

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

- a) Supply the list of equipment to Soil Testing Labs as per the Technical specifications of this tender document. It is the responsibility of the bidder to ensure that all the related components are supplied.
- b) Provide Warranty as per Technical specifications and Tender conditions along with Onsite warranty for 3 years for the Equipment. The companies should honor to extend Onsite warranty for another 3 years as per the request or need of the department.
- c) The equipment has to be supplied/delivered at the locations of the Laboratories (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 Soil Testing Labs as stated under Annexure –B of this Tender document at their own cost. All the logistics has to be borne by the bidder. 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 Spl Commissioner of Agriculture, AP, Guntur.

- d) Bidder is responsible for paying of all applicable taxes and levies which includes insurance if required during transit of items to locations stated under Annexure –B.
- e) The supply of equipment is strictly based on the need and requirement of the department and the number may increase or decrease at any point of time without any prior notice.

3. Technical Specifications of Soil testing Equipment:

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

4. Project Duration & Timelines

4.1 Duration

The Special 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 Spl. 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 5 % of the total order value based on the type of equipment and is fixed by the Spl. Commissioner of Agriculture. On receipt of Performance Bank Guarantee from the bidders, the Spl. Commissioner of Agriculture issues the Purchase Order(s) (POs) to the successful bidders based on the need and requirement, for the supply of equipment to the respective Soil Testing Labs across the State of Andhra Pradesh.

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 Spl. commissioner of Agriculture, Department of Agriculture, AP to the Successful Bidder(s)	T_0
2	Submission of PBG by successful bidders	$T_0 + 3 \text{ days} = T_1$
3	Issue of PO by Spl. Commissioner of Agriculture, Department of Agriculture	$T_1 + 2 \text{ day} = T_2$
4	Supply of Equipment to Soil Testing Lab	$T_2 + 15 \text{ days from date of issue of Purchase Order} = (T_3)$
5	Installation and Demonstration/Training on the equipment to Lab staff.	$T_3 + 3 \text{ days} = (T_4)$
6	Submission of Invoices and all related documents for processing of payment along with	$T_4 + 1 \text{ day}$

	certificate(s) of successful demonstration of the equipment	
--	---	--

SECTION 2: INSTRUCTIONS TO BIDDERS & BID PROCESS

1. General Instructions to Bidders

1.1 Completeness of Response

Bidders are advised to study all the 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/demonstrations, 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 or any costs for attending Prebid meeting or any costs incurred while participating in this tender.

1.3 Right to terminate the process

DEPARTMENT OF AGRICULTURE has the right to terminate the RFP process at any time and without any prior notice and without assigning any reason thereof. 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, the department 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.apecprocurement.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 on the scheduled date apart from submitting through online as stipulated in the RFP. Demonstration on the functioning of the equipment is mandatory on the scheduled date and all the prospective bidders should comply with it.

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 30-03-2023 @ 12.00 Noon for physical verification) at Commissionerate of Agriculture, Chuttugunta Center, Guntur, Andhra Pradesh-522004. The Financial proposal must be submitted online through www.apesprocurement.gov.in only on or before last date & time given in this document.

The bids submitted by telex/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.

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.

S. No	Minimum Eligibility Criteria	Proof to be submitted for fulfilling the Eligibility
1	The Bidder shall be original Equipment 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	<p>The firm should have at least 3 years' experience. At least one experience certificate for 3 different years after 01.04.2019 in Manufacturing /Supplying such items.</p> <p>In respect of Agency authorized by OEM, should have at least 3 years' experience in dealing such equipment</p>	<p>Documents (Purchase orders) to prove that the company / firm have supplied such items in their business for 3 years from 01.04.2019 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></p> <p>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.</p> <p>1 is for poor performance, 2 for average, 3 for satisfactory, 4 for good and 5 for excellent.</p> <p>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	<p>In respect of manufacturers gross annual turnover of Rs. One (1) Cr at least for one year during last three financial years (FY 2019-20, 2020-21 & 2021-22).</p> <p>In respect of Agency authorized by OEM, the turnover of the manufacturer will be taken into account.</p>	Turnover Certificate by a Chartered accountant should be enclosed for FY 2019-20, 2020-21 & 2021-22

4	The firm should be income tax assessee 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 2019-20, AY 2020-21 & AY 2021-22 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 Demand Draft, 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 “Spl Commissioner of Agriculture” payable at Guntur.
8	Office & After Sale Service center in the state of Andhra Pradesh.	Declaration to be submitted on Letter Head to open own office and after sales service center in the state of Andhra Pradesh on award of contract for faster response and reducing downtime of machine.

Note:

- a) The Spl. 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) The Spl. Commissioner of Agriculture, Department of Agriculture, Andhra Pradesh reserves the right to seek clarifications if any at any point of time, 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 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 (Approx)	EMD
1.	Digital pH meter	127	1,00,000
2.	Digital Conductivity Meter	127	1,25,000
3.	Flame Photometer with gas cylinder	127	3,00,000
4.	Mechanical Shaker with Timer	127	3,00,000
5.	Colorimeter	127	1,75,000
6.	Single water Distillation Unit with water softener	127	50,000
7.	Nitrogen Analyzer	127	8,00,000
8.	2 K.V Stabilizer	127	45,000
9.	4 K.V Stabilizer	127	65,000
10.	Digital Electronic Balance	127	95,000
11.	Atomic Absorption Spectrophotometer	127	17,00,000
12.	Air Conditioner split(2 Ton Capacity)	127	2,25,000
13.	Common glassware & Miscellaneous items	127 sets	3,00,000
14.	Double Distillation Unit	127	1,75,000

- Note :
1. The number may increase or decrease based on the need and requirement
 2. The Bidder can participate in bid for one item or multiple items of their choice
 3. The EMD to be taken in the form of DD or Bank Guarantee only for the items/for all the items being participated as per the above table.

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 the Spl. Commissioner of Agriculture, Dept of Agriculture, Chuttugunta Center, Guntur, Andhra Pradesh shall be evaluated by a Technical Expert 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 above. 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 Spl 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 Technical Expert Committee / Tender Committee will be final and no negotiations will be entertained in this regard.

Bidder has to provide detailed technical specifications of the items they propose to supply (along with brochures, Product information leaflets), install and maintain for this project. After installation it is the responsible of the bidder to give complete hands on training on the product to the Lab staff. 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 the Spl. Commissioner of Agriculture, Department of Agriculture, Andhra Pradesh shall technically disqualify the bidder and initiate appropriate legal 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 15 Government Or Private	< 15 Organizations : 10 Marks 15-25 Organizations : 20	30

	Organizations in India in the last 5 financial years Purchase Orders and Documentary evidence for delivery on client letter head to be submitted.	Marks > 25 Organizations : 30 Marks	
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 and give Demo on the functioning of the items for which they submitted Quote, to Technical Expert 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 Technical Expert Committee / Tender 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 assigning any reason 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, the Spl. 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 price and issue of Purchase order.

5 Award of Contract

The Spl. 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 Soil Testing Labs across the state of effectively and in a quickest possible time. The Spl Commissioner of Agriculture has 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 (Based on the need and requirement of the department).

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 under this tender should be supplied with Three (3) years of Onsite Warranty from date of installation (except Glassware) and to extend another 3 years on the request of the department

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.

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 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: 75% (Seventy Five percent) of the contract price shall be paid after receipt of equipment at concerned Locations and submission of Acknowledgement of receipt of items duly signed along with seal from ADA of concerned Soil Testing Lab. (The bidder shall obtain individual UCs in the format communicated by the Spl. Commissioner of Agriculture).
- b) On Final Acceptance: The remaining 25% (Twenty Five 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 DAOs (In the format communicated by the Spl. 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.

16. 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.

17. 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.

18. 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.

19. 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.

20. Applicable law

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

21. 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.

22. 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.

23. 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.

24. Legal Jurisdiction

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

25. 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.

26. 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.

27. 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.

28. 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 5% of the total order value based on the type of Equipment and is fixed by the Spl 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 45 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 Bank Guarantee is also available in www.apagrisnet.gov.in.

29. Rejection of Bids:

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

30. 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

31. 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 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 the Spl. Commissioner of Agriculture, Department of Agriculture, Andhra Pradesh.

Annexure – 2

TENDER FORM

Date:

Tender No:

To,
The Special 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 5%
percent of the total Contract Price or as fixed by the Special 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 2023

(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. 2019-20, 2020-21 & 2021-22 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)
2019-20		
2020-21		
2021-22		

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

Sub: Manufacturer Authorization for Supply of Soil Testing Equipment.

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

We, _____ (name and address of the OEM manufacturer), who are established and reputed manufacturers of _____ (name and description of goods offered) having factories at _____ (addresses of manufacturing locations) do hereby authorize M/s _____ (name and address of the Bidder) to submit bid, negotiate and sign the contract with you for the items manufactured by us against the above mentioned tender.

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 Onsite 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,

The Special Commissioner of Agriculture,
Department of Agriculture,
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)

Date: dd/mm/yyyy

To,

The Special 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,
The Special 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,
The Special 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,..... 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.....2023.

Signature and Seal of Guarantors

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

Date.....2023

Address:.....

.....

SECTION 3: DRAFT CONTRACT AGREEMENT

THIS AGREEMENT made theday of....., 2023 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 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 (Equipment with Specifications)

Technical Specifications of Equipment for Soil Testing

S. No	Equipment	No. required	Specifications
1	Digital pH Meter	127	<ul style="list-style-type: none"> Measuring Range: 0.00 to 14.00 pH Accuracy: ± 0.01 pH Resolution: 0.01 pH Calibration: Automatic/Manual, at least two points (pH 4.01 and pH 7.00) Electrode Type: Combined pH electrode with a temperature sensor Temperature compensation: Automatic/Manual, range from 0°C to 100°C Stability indicator: Display the stability of the measurement Input impedance: $\geq 10^{12}\Omega$ Display: Large and easy-to-read LCD screen Power supply: AC adapter or battery (at least 4 AA batteries); 230 V AC, 50 Hz Auto power off: Optional, with adjustable time settings Housing material: Durable and chemical-resistant plastic Accessories: pH electrode, Buffer Tablets pH 4.0, 7.0, 9.2, suitable Buffer bottles, electrode stand & clamp, Instrument cover and operation manual.
2	Digital Conductivity Meter	127	<ul style="list-style-type: none"> Measuring range: 0.00 to 199.9 mS/cm with auto ranging Wide range Measurements 20 micro, 200 micro, 2 mS, 20 mS, 200mS. Accuracy: $\pm 1\%$ F.S. Resolution: 0.001 $\mu\text{S}/\text{cm}$ Calibration: Automatic/Manual Temperature compensation: Automatic/Manual Electrode type: 4-pin Display: 3 digits LED Power supply: 9V battery or AC adapter Measurement mode: Continuous or single

			<p>point</p> <ul style="list-style-type: none"> • Measurement units: mS/cm or $\mu\text{S/cm}$ • Automatic shut-off after a period of inactivity • Operating temperature: 0°C to 50°C • Storage temperature: -10°C to 60°C • Dimensions: 210 mm x 220 mm x 75 mm • Accessories: 4-pin conductivity probe, calibration solution, carrying case, user manual, clamp & stand
3	Flame photometer with Gas Cylinders	127	<ul style="list-style-type: none"> • <i>Micro-controller based automation</i> • Sensitivity: <ul style="list-style-type: none"> Sodium (Na): 2 ppm Potassium (K): 1 ppm Calcium (Ca): 30 ppm Lithium (Li): 7 ppm • Separate channel and separate silicon photodiode (Detector) for each element • Flame Temperature: <p>The flame temperature of the instrument should be adjustable between 1750°C to 2000°C, for optimum atomization and excitation of the sample.</p> • Compressor pressure Air regulator and air filter to deliver moisture/oil free air supply with a maximum pressure of 1.0 kg/cm² • Gas Requirements: <p>The instrument should be compatible with propane or LPG gas, and the manufacturer should supply the necessary gas cylinders.</p> • Sample Aspiration: <p>Aspiration time -30 Sec</p> • Accuracy: <p>The accuracy of the instrument should be within $\pm 2\%$ for both sodium and potassium measurements.</p> • Calibration: Automatic Calibration • Display: 2.5 Digit LED Display • Power: The Flame Photometer requires 230 volts AC power supply with a frequency of 50 Hz, with a tolerance of $\pm 10\%$. • Other Features: <ul style="list-style-type: none"> ✓ The instrument should have a safety system in place to prevent gas leaks or accidents. ✓ It should have a user-friendly interface and

			<p>easy-to-use software for data analysis.</p> <ul style="list-style-type: none"> ✓ The manufacturer should provide adequate training and technical support to ensure proper use and maintenance of the instrument. ✓ The instrument should be made of high-quality materials that are corrosion-resistant, durable, and easy to clean.
4	Mechanical Shaker with Timer	127	<ul style="list-style-type: none"> • Type of Shaker: Reciprocating shaker • Shaking motion: Horizontal • Fitted with PMDC heavy duty geared motor for continuous rating. • Shaker platform size: 31" x 17" x 4" • Load capacity: Minimum load capacity: 5 kg, Maximum load capacity: 20 kg • Shaking speed: Range: 100 to 300 rpm , Accuracy: ± 1 rpm • Timer: Range: 0 to 99 minutes, Accuracy: ± 1 second • Power supply: AC 220V, 50Hz • Display: Digital display for speed and timer • Kahn racks, bottles or conical flasks of different sizes can be shaken by adjusting the compartments provided on the shaking rack. • Min No of Holders : 50 to hold 250ml flasks • Material of Construction: M.S. Sheet duly powder coated • Top Platform: M.S. Sheet duly powder coated and top surface covered with non slip mat • Safety features: Overload protection, Short circuit protection, Emergency stop button • Certifications: CE certified
5	Colorimeter	127	<ul style="list-style-type: none"> • Wavelength range: 340 to 960 nm with 8 optical filters • Filters peak wavelength- 420 nm, 440nm, 490 nm, 520 nm, 540 nm, 570 nm, 600 nm, 700 nm • Accuracy: ± 0.005 A • Resolution: 0.001 A • Light source: LED or Tungsten halogen lamp • Filters: Interchangeable

			<ul style="list-style-type: none"> • Grating : 600 lines/mm • Calibration: Automatic • Sample compartment: Accepts 10 mm square cuvettes • Detector: Wide range Silicon photodiode • Display: LCD with backlight • Power supply: 230 \pm 10 %, 50 Hz • Dimensions: Approximately 420 x 310 x 120 mm • Weight: Approximately 6.5 kg • Accessories: Four test tubes and four glass cuvettes
6	Single Water Distillation Unit with Water Softener	127	<ol style="list-style-type: none"> 1. Distillation Unit: <ul style="list-style-type: none"> • Water production rate: 4 L per hour (minimum) • Construction: Made of high-quality stainless steel with a corrosion-resistant finish • Heating element: Heavy-duty heating element of at least 3 kW • Power supply: 220-240V AC, 50Hz • Control system: Fully automatic with temperature control and safety features such as automatic shut-off in case of overheating • Condenser: Made of high-quality borosilicate glass or stainless steel for efficient water condensation • Water level indicator: To monitor the water level during operation • Distillate quality: Free of impurities and having a conductivity of less than 1.0 μS/cm at 25°C • Distillate collection: Through a dedicated outlet and storage tank with a minimum capacity of 10 L 2. Water Softener: <ul style="list-style-type: none"> • Capacity: Minimum 10 L of resin bed • Control system: Automatic regeneration cycle based on water usage • Regeneration process: Through a brine solution containing sodium chloride or potassium chloride • Resin type: High-quality cation exchange resin

			<ul style="list-style-type: none"> Softened water quality: Hardness level of less than 10 ppm as CaCO_3 Construction: Made of high-quality FRP or stainless steel with a corrosion-resistant finish Inlet and outlet connections: 1 inch BSP <p>3. Additional Features:</p> <ul style="list-style-type: none"> In-built safety features like automatic shut-off in case of low water levels, over-temperature and short-circuit protection Provision for easy cleaning and maintenance of the unit Provision for optional pre-filters like activated carbon, sediment filter, etc. User-friendly interface with easy-to-use controls and display panel The unit should comply with international safety standards
7	Nitrogen Analyzer	127	<ul style="list-style-type: none"> Measuring range: 0.1 to 200 mg N Recovery ratio : $\geq 99.5\%$ Sample volume: 0.1 mL to 10 mL Detection method: Fully auto-run completely programmable autosequencing microprocessor based kjeldahl distillation method Operation mode: Auto Analysis time: 3 to 4 minutes per sample Accuracy: $\pm 2\%$ Precision: $\leq 1\%$ CV Reproducibility: $\leq 2\%$ CV Calibration: Automatic Sample type: Liquid or solid Refrigerated water cooling system Reagents: Supplied by the manufacturer Alarm and shutdown temperature: 120°C For N analyzer accessories like kjeldahl tubes 24 no's and other reagent holders/containers (2Sets) Power requirements: 110/220 VAC, 50/60 Hz Dimensions: 420 mm x 400 mm x 700 mm (W x D x H)
8	2KV Stabilizer	127	<ol style="list-style-type: none"> Input Voltage Range: 170 V - 270 V AC Output Voltage: 200 V - 240 V AC

			<ol style="list-style-type: none"> 3. Capacity: 2 KVA 4. Frequency: 45-55 Hz 5. Regulation: $\pm 1\%$ 6. Type: Servo-controlled Voltage Stabilizer 7. Efficiency: $\geq 95\%$ 8. Cooling: Air-cooled 9. Protection: <ul style="list-style-type: none"> • High voltage cut-off • Low voltage cut-off • Overload protection • Short-circuit protection • Automatic bypass switch 10. Display: Digital display indicating input/output voltage, load, and status of operation. 11. Mounting: Floor-mounting type with rubber feet for vibration absorption 12. Duty cycle : 98% 13. Noise Level: Less than 55 dB 14. Enclosure Material: MS Powder Coated 15. Operating Temperature: 0°C to 50°C 16. Insulation Class: Class B/F 17. Standards: IS 9815:1994 and IS 2026:1992
9	4KV Stabilizer	127	<ol style="list-style-type: none"> 1. Input Voltage Range: 170-270 V AC or customized as per the requirement 2. Output Voltage: 230V AC $\pm 1\%$ 3. Power Rating: 4 KV (4000 VA) 4. Type: Automatic Voltage Stabilizer (AVS) 5. Regulation Type: Stepless Voltage Regulation 6. Efficiency: 98% 7. Display: Digital LED Display for Input and Output Voltage and Current 8. Protection Features: <ul style="list-style-type: none"> • Over-voltage protection • Under-voltage protection • Overload protection • Short circuit protection • Surge protection • Overheating protection 9. Operating Temperature: 0°C to 50°C 10. Storage Temperature: -15°C to 60°C 11. Humidity: Up to 90% non-condensing

			12. Cooling System: Natural Air Cooled 13. Audible Noise: Less than 60 dB 14. Insulation Class: B 15. Enclosure Type: MS Powder Coated 16. Warranty: Minimum 3 Years
10	Digital Electronic Balance	127	<ul style="list-style-type: none"> • Capacity: 500 g • Readability: 0.01/0.001 g • Tare range: Full • Calibration: Automatic external calibration • Display: LCD with backlight • Pan size: 110 mm x 100 mm • Units of measurement: g • Operating temperature: 10°C to 50°C • Power supply: AC adapter or battery (4 x AA) with battery back-up • Construction: Stainless steel pan and ABS plastic housing • Dimensions: Approximately 200 mm x 150 mm x 50 mm • Weight: Approximately 500 g • Features: <ul style="list-style-type: none"> ✓ Overload protection ✓ Low battery indicator ✓ Auto shut-off after 60 seconds of inactivity ✓ Leveling feet for accurate readings ✓ RS232 interface for data transfer to a computer or printer
11	Atomic Absorption Spectrophotometer	127	1. Optical system: <ul style="list-style-type: none"> • Double beam system • Monochromator: Czerny-Turner type • Wavelength range: 185 to 910 nm • Grating: min. 1800 lines/mm 2. Light source: <ul style="list-style-type: none"> • High energy coded Hollow cathode lamp for detection of Iron, Zinc, Copper, Manganese etc • Lamp current stabilization: Automatic • Lamp power: 6 V to 12 V, 0 to 30 mA • Lamp selection: Automatic with pre warm-up option; upgradable 8 turret system 3. Detector: <ul style="list-style-type: none"> • Photomultiplier tube (PMT) detector / Solid-

			<p>State detector</p> <ul style="list-style-type: none"> • Dynamic range : Autogain <p>4. Sample introduction system:</p> <ul style="list-style-type: none"> • Integrated Flame or graphite furnace assembly with Quartz windows • Sensitivity & Nebulizer Greater than 0.9 absorbance for 5 ppm aqueous solution of copper with air-acetylene flame. • Burner head: Standard or high-temperature • Corrosion resistant spray chamber. • User friendly cleanable nebulizer system/spray chamber <p>5. Background Correction: high-speed Deuterium lamp</p> <p>6. Analytical range:</p> <ul style="list-style-type: none"> • Suitable for analysis of various elements such as Iron, Zinc, Copper, Manganese etc in samples. <p>7. Data processing:</p> <ul style="list-style-type: none"> • Digital signal processing with All in One Desktop • Calibration: Single or multi-point calibration • Concentration units: ppm or mg/L <p>8. Software:</p> <ul style="list-style-type: none"> • User-friendly software for instrument control, data acquisition and processing. • Programmed facility with multitasking software should provide complete control of instrument with instrument status display and its various accessories. Provide Accurate and reproducible time averaged, integration, non- averaged integration, multilevel calibration. Software should handle instrument linear absorbance reading, concentration or emission intensity, integration time, built in statistics, calibration equation control, slope of analytical curve using operator selective calibration standard. • Built in interface for computer connection and use of optional accessories. <p>9. Safety features:</p> <ul style="list-style-type: none"> • Automatic flame-out protection
--	--	--	---

			<ul style="list-style-type: none"> • Gas control fully automatic through software control • Gas leakage detection • All safety interlocks built-in and additional feature like Burner Head Interlock, Nebulizer/End Cap Interlock, and Drain Interlock to be built-in. <p>10. Accessories:</p> <ul style="list-style-type: none"> • Autosampler Carousel of min 60 samples (desirable) • Hood & Vent Assembly for AAS for removal of Toxic Gases • Air Compressor system • Calibration Standard for 4 Elements out of above 4 HC Lamps • Consumables like 2 No burner heads, 2 No nebulizer, 2 No safety compliant Acetylene Cylinders with Regulators etc <p>11. Computer: All in one desktop PC intel processor (Generation 10), 8 cores per processor and 2.9 GHz processor base frequency (intel core i7 with intel Q series chipset), 16 MB cache with intel Q470 and Q series mother board with 2 expansion slot, dedicated/discrete Nvidia Graphics 4 GB graphic card with Windows 10 Professional system OEM/ memory 16 GB RAM DDR4 expandable up to 64 GB with speed of 2666 MHz with 1024 GB SSD Hard Disk, 27 inch display size, IPS panel technology with Full HD 1920x1080 pixels resolution with integrated FHD webcam and 2 speakers, Wi-Fi 6 AX200 + Bluetooth 5.0, wi-fi 802, 11b/g/n connectivity with 1 Ethernet port (Realtek 10/100/1000 on board IGP, USB and HDMI ports, optical drive with audio-in, audio-out and headphone out with Height Adjustable stand, external power supply with 220 watt power supply capacity with 91 to 95% power efficiency range, BIS registered, ROHS complied with BEE star, wireless optical scroll mouse and keyboard with operation standard power supply in temperature 5 to 35 degree Celsius and 20 to</p>
--	--	--	--

			<p>80% relative humidity with Laser Jet Printer.</p> <ol style="list-style-type: none"> 12. Power requirement: <ul style="list-style-type: none"> • Operable with 220-230 Volt and AC 50 /60 Hz. 13. Standards for Iron, Copper, Manganese and Zinc with NIST traceability 14. Oil Free Air Compressor with Moisture Filter 15. Consumables : Consumables kit (Sample intake tubes, O-ring, Glass beads) for 2 years 16. UPS : 3 KV UPS with back-up of 30 min or more 17. Training: <ul style="list-style-type: none"> • 7 Days training on complete operation of instrument after installation shall be given. • The Trained Dept Staff shall give a Self Declaration which shall be attested by ADA concerned along with Installation certificate. 18. Warranty : Onsite Warranty 3 years
12	Air-Conditioner Split (2 Ton Capacity)	127	<ol style="list-style-type: none"> 1. Cooling capacity: 2 tonnes or 24,000 BTU (British Thermal Units) per hour. 2. Power consumption: The power consumption of the air-conditioner split should be energy efficient and should meet the Bureau of Energy Efficiency (BEE) standards for energy efficiency rating (EER) of 3.5 or higher. 3. Compressor type: The compressor should be of high-quality and durable, and it should have low noise and vibration levels. 4. Refrigerant: The refrigerant used in the air-conditioner split should be eco-friendly and comply with the latest regulations and standards set by the Indian government. 5. Air filter: The air filter should be of high-quality and easy to clean, and it should be able to remove dust, bacteria, and other pollutants from the air. 6. Airflow direction: The air-conditioner split should have multiple airflow directions for better air distribution in the room. 7. Noise level: The noise level of the air-conditioner split should be low, with a maximum noise level of 50 decibels.

			<p>8. Remote control: The air-conditioner split should come with a user-friendly remote control that can operate all the features of the air-conditioner split.</p> <p>9. Installation: The air-conditioner split should be installed by the supplier and should come with all the necessary accessories and instructions.</p> <p>10. Warranty: The air-conditioner split should come with a warranty of at least one year, covering all defects and damages.</p>			
13	Common Glassware & miscellaneous Items	127 Sets	S.No	1 Set of Items	Capacity	Qty
			1	Glass Beakers	25 ml	50
			2	Quartz beakers	25 ml	10
			3	Glass Beakers	50 ml	50
			4	Glass Beakers	100 ml	10
			5	Glass Beakers	250 ml	2
			6	Glass Beakers	500 ml	10
			7	Glass rods	15 cm	50
			8	Glass rods	25 cm	10
			9	Glass Test tubes	150 x 18mm	50
			10	Conical flask	100 ml	50
			11	Quartz Conical flasks	100 ml	10
			12	Conical flask	250 ml	50
			13	Glass Conical flask	500 ml	50
			14	Glass Volumetric flask	25 ml	50
			15	Glass Volumetric flask	100 ml	20
			16	Glass Volumetric flask	1000 ml	2
			17	Glass Volumetric flask	2000 ml	2
			18	Plastic Funnel	50 ml	50
			19	Glass Graduated Pipette	2 ml	10
			20	Glass Graduated Pipette	5 ml	10
			21	Glass Graduated Pipette	10 ml	10
			22	Automatic pipette	10 mL	2
			23	Pipette Stand		2
			24	Automatic burette 50 ml with reservoir (2 lts)		2
			25	Burette	50 ml	2
			26	Burette Stands		1
			27	Measuring Cylinder	10 ml	4

			Glass		
		28	Measuring Cylinder Glass	25 ml	2
		29	Measuring Cylinder Glass	50 ml	2
		30	Measuring Cylinder Glass	100 ml	1
		31	Measuring Cylinder Glass	1000 ml	1
		32	Acid dispenser		1
		33	Test tube stand		10
		34	Sieves for Soil		2
		35	Wooden Hammer		2
		36	Soil Scoops	0.5 g	2
		37	Soil Scoops	1 g	2
		38	Soil Scoops	2 g	2
		39	Soil Scoops	2.5 g	2
		40	Soil Scoops	5 g	2
		41	Soil Scoops	10 g	2
		42	Soil Scoops	20 g	2
		43	Wash bottle	250 ml	5
		44	Polypropylene Aspirator Bottle With Stopcock	20 Lts	1
		45	Polypropylene Aspirator Bottle With Stopcock	10 Lts	1
		46	Reagent bottles	5 L	5
		47	Reagent bottles	1 L	10
		48	Reagent bottles	500 mL	5
		49	Lab Safety Goggles	Free size	3
14	Double Distillation Unit	127	<ul style="list-style-type: none"> Capacity: 2-3 liters per hour Material of Construction: Quartz Heater: Quartz Heater Condenser: Quartz Condenser Boiler: Quartz Boiler Water Output: Pyrogen-free, Distillate pH 6.9-7.0 Cooling Water Consumption: 60-120 liters per hour Back Flues Iron Remover: Pre-attached 		

Note: The Specifications provided above are minimum and the bidders are free to quote any equipment which is 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 and installation.

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 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 Soil Testing Labs as mentioned in the Purchase Order within 15 days failing which the bidder attracts for penalization.

Annexure-B

The bidders shall deliver/supply the Equipment/items to the Soil Testing Labs mentioned below. All the logistics charges, handling charges, insurance(if any), applicable taxes etc shall be borne by the bidder

Sl.No	District	Location of the Lab
1	Alluri Seetharama Raju	Agri Lab at Rampachodavaram
2	Alluri Seetharama Raju	Agri Lab at Araku Valley
3	Alluri Seetharama Raju	Agri Lab at Paderu
4	Anakapalle	Agri Lab at Chodavaram
5	Anakapalle	Agri Lab at Anakapalle
6	Anakapalle	Agri Lab at Narsipatnam
7	Anakapalli	Agri lab at Madugula
8	Anakapalli	Agri+Aqua Labs at Line Kothur (Yalamanchili)
9	Anantapuram	Agri Lab at Tadipatri
10	Anantapuram	Agri Lab at Singanamala
11	Anantapuram	Agri Lab at Uravakonda
12	Anantapuram	Agri Lab at Rayadurg
13	Ananthapuram	Agri lab at Dharmavaram
14	Ananthapuram	Agri lab at Gooty
15	Ananthapuram	Agri lab at Kalyandurg
16	Annamayya	Agri lab at Rayachoti
17	Annamayya	Agri lab at Tallapaka village, Rajampeta
18	Annamayya	Agri lab at Kodur
19	Annamayya	Agri Lab at Thamballapalle
20	Annamayya	Agri Lab at Madanapalle
21	Bapatla	Agri+Aqua Labs at Repalle
22	Bapatla	Agri lab at Vemuru
23	Bapatla	Agri lab at Parchur
24	Bapatla	Agri lab at Addanki
25	Bapatla	Agri+Aqua Labs at Chirala
26	Bapatla	Agri Lab at Bapatla
27	Chittoor	Agri lab at Palamaner
28	Chittoor	Agri Lab at Nagari
29	East Godavari	Agri lab at Shankavaram
30	East Godavari	Agri lab at Gopalapuram
31	East Godavari	Agri lab at Kumaradevam
32	East Godavari	Agri lab at Nidadavole
33	East Godavari	Agri Lab at Anaparthi
34	East Godavari	Agri Lab at Rajanagaram
35	Eluru	Agri lab at Kaikaluru
36	Eluru	Agri lab at Gopannapalem

37	Eluru	Agri lab at Chintalapudi
38	Eluru	Agri Lab at Nuzvid
39	Eluru	Agri Lab at Unguturu
40	Guntur	Agri lab at Mangalagiri
41	Guntur	Agri Lab at Tadikonda
42	Guntur	Agri Lab at Ponnuru
43	Guntur	Agri Lab at Prathipadu
44	Guntur	Agri Lab at Tenali
45	Kakinada	Agri Lab at Jaggampeta
46	Konaseema	Agri Lab at Mummdivaram
47	Konaseema	Agri Lab at Kothapeta
48	Konaseema	Agri Lab at Ramachandrapura
49	Konaseema	Govt Building at Razole
50	Krishna	Agri Lab at Avanigadda
51	Krishna	Agri lab at Pedana
52	Krishna	Agri Lab at Pamarru
53	Krishna	Agri Lab at Machilipatnam
54	Krishna	Agri Lab at Penamaluru
55	Krishna	Agri Lab at Gudivada
56	Kurnool	Agri lab at Koyalakuntla
57	Kurnool	Agri Lab at Gudur
58	Kurnool	Agri Lab at Pattikonda
59	Kurnool	Agri Lab at Adoni
60	Kurnool	Agri Lab at Alur
61	Kurnool	Agri Lab at Mantralayam
62	Nandyal	Agri lab at Nandikotkur
63	Nandyal	Agri Lab at Dhone
64	Nandyal	Agri Lab at Atmakur
65	Nandyal	Agri lab at Panyam
66	Nandyal	Agri Lab at Allagadda
67	Nandyal	Agri Lab at Nandyal
68	NTR	Agri Lab at Jaggayyapeta
69	NTR	Agri Lab at Mylavaram
70	NTR	Agri Lab at Tiruvuru
71	NTR	Agri Lab at Nandigama
72	Palnadu	Agri lab at Sattenapalle
73	Palnadu	Agri Lab at Pedakurapadu
74	Palnadu	Agri Lab at Vinukonda
75	Palnadu	Agri Lab at Narasaraopet
76	Palnadu	Agri Lab at Gurajala
77	Palnadu	Agri Lab at Chilakaluripeta
78	Parvathipuram Manyam	Agri lab at Palakonda
79	Parvathipuram Manyam	Agri lab at Salur

80	Parvathipuram Manyam	Agri lab at Kurupam
81	Parvathipuram Manyam	Agri lab at Parvathipuram
82	Prakasam	Agri lab at Darsi
83	Prakasam	Agri lab at Giddalur
84	Prakasam	Agri lab at Santhanuthalapadu
85	Prakasam	Agri lab at Yerragondapalem
86	Prakasam	Agri Lab at Kanigiri
87	Prakasam	Agri Lab at Kondepi
88	SPSR Nellore	Agri lab at Udayagiri
89	SPSR Nellore	Agri Lab at Atmakur
90	SPSR Nellore	Agri Lab at Kavali
91	SPSR Nellore	Agri Lab at Kovur
92	SPSR Nellore	Agri Lab at Sarvepalli
93	SPSR Nellore	Agri Lab at Kandukur
94	Sri Sathya Sai	Agri lab at Hindupur
95	Sri Sathya Sai	Agri lab at Kadiri
96	Sri Sathya Sai	Agri lab at Kothacheruvu
97	Sri Satya Sai	Agri Lab at Madakasira
98	Sri Satya Sai	Agri Lab at Penukonda
99	Srikakulam	Agri+Aqua Labs Narasannapet
100	Srikakulam	Agri+Aqua Labs Near Tahsildar office, Tekkali
101	Srikakulam	Agri+Aqua Labs Palasa
102	Srikakulam	Agri+Aqua Labs Sompeta
103	Srikakulam	Agri Lab at Amadalavalasa
104	Srikakulam	Agri Lab at Etcherla
105	Srikakulam	Agri Lab at Pathapatnam
106	Tirupathi	Agri Lab at Chandragiri
107	Tirupathi	Agri Lab at Srikalahasti
108	Tirupathi	Agri Lab at Gudur
109	Tirupathi	Agri Lab at Venkatagiri
110	Tirupati	Agri lab at Satyavedu
111	Tirupati	Agri lab at Sullurpeta
112	Visakhapatnam	Agri Lab at Bhimili
113	Vizianagaram	Agri lab at Kothavalasa
114	Vizianagaram	Agri lab at Bobbili
115	Vizianagaram	Agri Lab at Cheepurupalli
116	Vizianagaram	Agri Lab at Vizianagaram
117	Vizianagaram	Agri Lab at Nellimarla
118	Vizianagaram	Agri Lab at Rajam
119	West Godavari	Agri lab at Iragavaram
120	West Godavari	Agri lab at Koyyalagudem
121	West Godavari	Agri lab at Undi
122	YSR Kadapa	Agri lab at Muddanur

123	YSR Kadapa	Agri Lab at Pulivendla
124	YSR Kadapa	Agri Lab at Badvel
125	YSR Kadapa	Agri Lab at Mydukur
126	YSR Kadapa	Agri Lab at Proddatur
127	YSR Kadapa	Agri Lab at Kamalapuram

Sd/-
Special Commissioner of Agriculture
Andhra Pradesh, Guntur