



EOI SCHEDULE

FOR SUPPLY OF MOBILE SOIL TESTING LABS
INCLUDING MOBILE VEHICLES, EQUIPMENT,
GLASSWARE, CHEMICALS TO THE SOIL TESTING LABS
OF SRIKAKULAM, WEST GODAVARI, PRAKASAM,
ANANTHAPUR & CHITTOOR
FOR THE YEAR 2014-15

Last date for submission : 27-02-2015 up to 3.00 p.m.

Date of opening of technical Bid : 27-02-2015 at 3.30 p.m.



ANDHRA PRADESH STATE AGRO INDUSTRIES DEVELOPMENT CORPORATION LIMITED
No.504, 5th Floor, Hermitage Office Complex, Hill Fort Road, HYDERABAD - 500 004
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A.P.S. AGRO INDUSTRIES DEVELOPMENT CORPORATION LTD.

Registered Office: 504, Hermitage Office Complex, Hill Fort Road, Hyderabad – 500 004.

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No. Agros/FMD/EOI/2014-15

Date:18-02-2015

SHORT E.O.I. NOTICE INVITING SEALED QUOTATIONS

Sealed Quotations are invited from reputed manufacturers are importers for supply of Auto Analyser (soil testing lab), Mobile soil testing labs to Andhra Pradesh Agriculture Department and manufacturers for supply of shade net 35% (ISI) Creeper mesh, protrays, mulching sheets to Telangana horticulture department. The details of EOI Schedule including cost and submission particulars etc., may be seen in our website www.apagros.org

EOI Sch. No.	Category of Equipment	Cost of EOI Schedule	Last date for submission	Date of opening of Technical Quotations
I	Auto Analyser (soil testing Labs)	Rs.10,000	27-02-2015 3.00 p.m	27-02-2015 3.30 p.m
II	Mobile Soil Testing labs	Rs.10,000	27-02-2015 3.00 p.m	27-02-2015 3.30 p.m
III	1)Mulching Sheets 2)Shade net 35% (ISI) 3) Creeper mesh 4) Protrays	Rs.5,000	27-02-2015 3.00 p.m	27-02-2015 3.30 p.m

EOI schedules in person may be obtained from the Registered office between 10.30 a.m. to 5 p.m. on all working days on payment of the amount mentioned against each EOI Schedule in the shape of Demand Draft drawn in favour of A.P.S.A.I.D.C.Limited payable at Hyderabad. The EOI Schedules can also be downloaded from our website www.apagros.org and submitted duly enclosing the Demand Draft towards the cost of EOI schedule. The downloaded EOI schedules received without Demand Drafts towards cost of EOI schedule will be rejected.

Hyderabad
18 .10.2014

Sd/-
Vice Chairman and
Managing Director



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☎: 23391331, 23314246, 23317225, Fax: 040 – 23394234 Grams: ‘AGROS’

EOI SCHEDULE

Name of work: FOR SUPPLY OF MOBILE SOIL TESTING LABS INCLUDING MOBILE VEHICLES, EQUIPMENT, GLASSWARE, CHEMICALS

Ref: AGROS/FMD/EOI/2014-15,

Dated: 18-02-2015

INSTRUCTIONS TO OFFERER (S)

A. PREAMBLE :

The Department of Agriculture, Government of Andhra Pradesh is requiring Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals etc., to be established at “Srikakulam, West Godavari, Prakasam, ananthapur and Chittoor” in the State of Andhra Pradesh through the Nodal Agency A.P.S Agro Ind. Dev. Corp. Ltd. (APSAIDCL), a Government of Andhra Pradesh undertaking for procurement and commissioning.

B. ELIGIBLE CONDITIONS FOR EOI SCHEDULE:

1. The manufacturers should have minimum of 3 years experience in supply and commissioning of Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals to the Government Departments / Institutes, such as Universities. Firms must furnish performance certificate from concerned Department / Institution in support of the above.
2. The firms shall have VAT, CST (TIN) Registration and PAN Number.
3. The firms shall have annual turnover of not less than Rs.20.00 Lakhs in 2013-14 and proof of same to be submitted.

C) INSTRUCTIONS FOR SUBMISSION OF EOI SCHEDULE

1. The Offerer shall submit EOI Schedule with all documents along with Rs.10,000/- demand draft, covering letter with EMD indicated in Annexure-I in a separate sealed cover duly Superscribing “Technical quotation of EOI Schedule for Supply, Installation, Commissioning & Validation of Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals” and Price Quote as per Annexure-III in a separate sealed cover duly superscribing “Price quote for Supply, Installation, Commissioning & Validation of Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals” with name and address of the offerer. Both covers are to be placed in a third cover as stipulated under Item No.1 of the instructions for submission of EOI schedule duly superscribing “EOI Schedule for Supply, Installation, Commissioning & Validation of Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals.”

2. The offerers who are supplying of Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals may deposit Rs.2,00,000/- (Rupees Two Lakhs Only) as E.M.D., shall be paid in the form of Demand Draft drawn in favour of A.P.S.A.I.D.C. Ltd., payable at Hyderabad along with a covering letter. EOI Schedules without EMD will be rejected.
3. The Earnest Money Deposit of successful firm shall be retained by the Corporation and refunded only after satisfactory completion of the contract. The EMD can be adjusted against performance guarantee deposit for successful offerer(s). The E.M.D. and performance guarantee deposit will not carry any interest.
4. Performance guarantee deposit will be Rs.5,00,000/- for Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals shall be paid in favour of A.P.S.A.I.D.C. Ltd., payable at Hyderabad in the shape of Demand Draft from any Nationalized Bank. The performance guarantee shall be valid for 1 year.
5. a) Performance guarantee produced by the successful offerer shall be forfeited and alternate arrangements shall be made, if the firm does not fulfill the obligation of supply of stocks as per orders / specification / quality and alternate arrangements will be made for procurement of such products and any additional cost incurred in this regard will be recovered from the concerned firm.
b) The responsibility of quality and quantity of the Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals supplied lies with supplier only.
6. The Offerer shall submit duly notarized declaration along with EOI, as per the proforma furnished under Annexure-IV, hereto on Rs.100/- non-judicial stamp paper.
7. The authorized person representing the firm who is signing in the EOI documents and also participating in the EOI opening shall invariably attach a copy of authorization from the competent authority of the firm as per the By-laws of the firm / Company.
8. The last date for submission of EOI schedule is upto 3.00 P.M. on 27-02-2015, the EOI Schedule will be opened at 3.30 P.M. on the same day.

D) GENERAL TERMS & CONDITIONS

1. The EOI price quote of only those offerer(s) whose Technical EOI Schedules are qualified will be opened with due intimation to them.
2. Negotiations will be held as per the decision of the Technical Committee at the address indicated in the data sheet. The aim is to reach agreement on all the points and sign a contract.

3. The agreement period will be up to 31-06-2016. No escalation charges will be paid for supply of items during the agreement period.
4. The supplies made shall be invoiced on VAT invoice with Serial No. of invoice printed on it. No invoice other than tax invoice will be accepted. VAT applicable, if any, shall be clearly mentioned in the tax invoice.
5. The approved firm shall supply the ordered item as per terms and conditions within the stipulated time indicated in the Purchase Order.
6. In the case of Annexure-II, the items supplied must be covered with warranty for minimum of 1 year (or more as per manufacturer's terms & conditions) from the date of supply against any defective manufacture / workmanship etc., repairs / replacements / servicing shall be attended at free of cost within the warranty period.
7. The firm should submit the Utilization Certificate and delivery Invoice from the Assistant Director of Agriculture of concerned lab for effecting the payment.
8. The loading and unloading charges, if any, should be borne by the supplier only.
9. The firm shall provide detailed operational and maintenance manuals at the time of supply of the item.
10. The offerer has to quote the price only as per the technical specifications given in the EOI schedule.
11. Andhra Pradesh State Agro Industries Development Corporation Limited (APSAIDC Ltd) reserves the right to inspect the manufacturing / other premises of supplier and his principal/s during the EOI process or before supply or before payment in order to satisfy that the supply is as per the quality and specifications of item indicated in this EOI.
12. Andhra Pradesh State Agro Industries Development Corporation Limited reserves the right to award the EOI either in part or full to the L1 firm or follow any other suitable procurement procedure. AP AGROS at its sole discretion and without assigning any reason thereof, reserves the right to accept / reject any or all schedules at any stage of the EOI process.
13. In case of any dispute or difference arising out of the Agreement between the two parties relating to any aspect of the agreement, the parties should attempt to settle the dispute through mutual and amicable discussions. If the dispute is not settled through such discussions, the matter shall be referred / settled as per provisions of Arbitration and Conciliation Act, 1996.
14. It is further to be agreed by both the parties that all differences and disputes if not resolved as above, shall be got remedied through the Court of Law of Hyderabad jurisdiction only.

15. EOI can be rejected if any stage of the procurement process, it comes to knowledge that any offerer is involved in any fraudulent practice or misrepresentation of the facts or tried to influence the selection process or indulged in any corrupt activities in competing with others.
16. The manufacturer shall be liable for blacklisting and further prosecution, if they fail to adhere to the above conditions.
17. The approved firm shall enter into an agreement with the Corporation duly incorporating all the above terms & conditions.
18. The item shall be supplied to the Soil Testing Laboratories at required destinations. The offerer shall provide all information as per this EOI document. AP AGROS shall evaluate only those schedules that are received in the required format and are complete in all respects.

E) INSTALLATION, COMMISSIONING & VALIDATION

1. All tools, equipment and machinery required for the installation and commissioning work has to be arranged by the successful firm only.
2. The period stipulated for completion of supply, installation, commissioning, validation and training of personnel shall be 30 days from the date of receipt of Purchase Order.
3. Penalty for delay in work will be levied @ 0.5% of the total value of Work per week upto a minimum of 5% in case of default in work completion within the stipulated time.

F) INSURANCE

The contractor shall insure all goods for all risks to the extent of value of goods specially mentioning that the claim amount under the policy shall be payable to AP AGROS. The contractor shall borne the insurance charges for all risks for the goods for the period upto expiry of warranty.

G) WARRANTY

The performance guarantee period shall be 1 Year from the actual date of commissioning of item in all respects. The same shall have to be communicated in writing to AP State Agro Industries Development Corporation Limited based on the actual date of completion of all works.

H) CERTIFICATION PROCESS FOR PAYMENT

a. EQUIPMENT / MATERIAL RECEIPT CERTIFICATE

Issue of material receipt note / goods receipt notes at site by Agricultural Officer and Assistant Director of Agriculture of concern Laboratory in charge stating that all the items are received as per the specification. (List to be enclosed)

b. INSTALLATION & COMMISSIONING CERTIFICATE

Issue of installation and commissioning Certificate by Assistant Director of Agriculture of concerned Laboratory Incharge and countersigned by Joint Director of Agriculture of concerned district.

c. COMPLETION CERTIFICATE

Completion Certificate will be issued by A.D.A. of Laboratory Incharge and countersigned by Joint Director of Agriculture of concerned district after complete validation and training to the personnel of Agriculture Department.

I) TERMS OF PAYMENT

- a) Payment shall be released as indicated below, subject to receipt of funds from Commissioner & Director of Agriculture.
- b) The payment will be made against the submission of delivery challan by the supplying firm duly signed and certified by the Assistant Director of Agriculture incharge of the concerned Laboratory stating that all the equipment is received, installed and commissioned as per the specifications and the work done by the firm is satisfactory.

J) SPECIAL INSTRUCTIONS TO THE FIRMS

1. The firms should submit technical specifications / brochures / information, users list etc. along with offer.
2. The supplier should conduct working demonstration of the item and train the working personnel of Department of Agriculture of concerned Lab.
3. List of fast moving spares if any and its selling price should also be enclosed. List of accessories which are recommended to be purchased separately for each item should be clearly mentioned in the offer.
4. The successful supplier will make a pre-delivery presentation about the details of item being supplied both to the Officers of AP AGROS and the A.D.A's incharge of concerned laboratory.

Place:
Date :

SIGNATURE OF THE OFFERER
WITH SEAL

CONDITIONS OF ELIGIBILITY FOR APPLICANT
(Attested copies wherever relevant to be enclosed)

1	EOI Reference	:	No.AGROS/FMD/EOI/2014-15 Date 18-02-2015
2	Name of the Manufacturing/ supplying Company with its Regn. No. (copy of the manufacturing license to be enclosed)	:	
3	Status of Company		
	i) Registered Company	:	
	ii) Sole proprietorship firm (Name & address of the proprietor)	:	
	iii) Partnership firm (Partnership agreement, letter of consent as authorized by other partners to attend for this EOI)	:	
	iv) Private Limited Company (Certificate of incorporation and authorization from CEO if not represented by CEO)	:	
4	Registered Address of manufacturer/supplier	:	
5	Particulars of Demand draft enclosed towards cost of EOI schedule if the EOI schedule is downloaded from website		DD No. DD Date: for Rs.10,000/- Name of the Bank
6	Details of EMD paid DD No: Date: Bank Name: Amount:	:	
7	Brief Profile of the firm	:	
8	Import License No. (copy to be enclosed)	:	
9	Bank particulars for online transfer of amounts • Name of the Bank:		

	<ul style="list-style-type: none"> • Branch of the Bank • Account Number • RTGS No 		
10.	Specific authorization letter from the Principal manufacturing company (for importers only) (if yes copy to be enclosed)	:	
11	Whether the Company is ISO certified or not (If 'yes' copy to be enclosed)	:	
12	Proof of having sufficient no. of experienced technical teams for training & operations management (Details: names of persons, qualifications and experience)	:	
13	Annual production capacity certificate / Annual import capacity certificate	:	
14	Turnover of the above machinery during last 3 years. a.2011-12 b.2012-13 c.2013-14	:	
15	Experience / performance certificate from clients / Govt. departments/ Organizations during last 2–3 years about supply of these items and test reports / certificates from reputed Govt. Testing Institutes, if any.	:	
16	Details of dealers' network and after sales service stations to be provided by firm in the area of operation.	:	
17	VAT Regn.No. / CST. No. and their validity (copies to be enclosed)	:	
18	PAN No. (copy to be enclosed)	:	
19	Audited accounts balance sheet for the last 2 years. (attested copies to be enclosed)	:	
20	Income Tax assessment Certificate for the last 2 years (attested copies to be enclosed)	:	
21	Name of contact person with address & Phone no. Email:	:	

22	a) Detailed Technical specifications of all the items quoted in the Price bid. (List to be enclosed)	:	
23	ISI/ ISO Certificate (copy to be enclosed)	:	

(Add additional sheets as required)

NOTE:

1. All the columns of the application form shall be duly, properly and exhaustively filled in.
2. All corrections if any must be signed by the Offerer before submission itself. For filing faulty information, the EOI is liable for rejection. The Offerer should sign on each and every page of EOI schedule and on all the additional documents submitted along with EOI schedule.
3. The applicant can enclose additional information, if any, relevant to the application separately
4. At the time of verification of EOI schedules, the original documents should be produced for verification.

SIGNATURE OF OFFERER WITH SEAL

**TECHNICAL SPECIFICATIONS
FOR MOBILE SOIL TESTING LABS
INCLUDING MOBILE VEHICLES,
EQUIPMENT, GLASSWARE,
CHEMICALS**

ANNEXURE- II
(Specifications of Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals)

General Specifications of Mobile Soil testing Lab:

MOBILE SOIL TESTING VEHICLE with the following Specifications:

1. Any suitable four wheeler with 4200 Wheel base having more than 6 ton capacity (Bus Type) with All India Service network
2. Bus Chassis with MS Structure exterior Aluminum paneling (18G) or thicker concealed electrical and water pipelines.
3. GPS system for vehicle tracking.
4. Interiors of vehicle –
 - Wash basins 2 Nos (Stainless steel and ceramic).
 - Interior wood work as per laboratory standards.
 - Acid resistant table top.
 - Overhead and below table top storage racks.
 - Vinyl flooring.
 - Luggage carrier on roof.
 - Fire proof material for roof top.
 - Minimum 200 lt over head tank for water.
 - 1.5 tonne branded split A/C.
 - Fire extinguisher.
 - Minimum 7KVA silent Generator.
 - Emergency Shut off switch for Generator.
 - Exhaust fume hood for AAS and Flame photometer.
 - Total wiring to be done with Finolex/ Finecab fire retard wires and Modular switches and sockets, 4 No's lights at interior roof , 4 no's Indicator lights at all exterior top corners. 1 No. 32 Amps ELCB and 4 No's MCB with change over switch should be provided to run either on generator or on external supply of 230 Volts.

The laboratory compartment should have the following details ---

- Rear door.
- Movable steps are to be provided outside this door.
- One door between passenger compartment and laboratory Compartment should be provided.

- Working tables with racks and doors as per choice in 750 mm height X 450 mm width and length as per requirement on both sides with 18mm ISI mark Marine ply (Water, Tamrid & Borer Proof) with sun glass lamination as per colour choice to Keep Chemicals and Glassware stands.
- Two fans are to be provided to the laboratory portion.
- Provision for sliding split glass window with safety iron grill outside.
- Split seat provision beside driver seat.

The Mobile lab should be constructed with latest and state of the art technology conforming to ISI standards/safety measures using high grade materials.

Instruments required for the MOBILE SOIL TESTING LAB:

S. No	Equipment	No. required	Specifications
1	Atomic Absorption Spectrophotometer (AAS)	1	<ul style="list-style-type: none"> • Computer controlled true double beam Atomic Absorption Spectrophotometer. • AAS with four lamp automatic turret with independent power supplies shall suffice for measuring Cu, Fe, Zn and Mn. • Monochromator with Wavelength range 190-900nm. Holographic grating of high density of not less than 1800 lines/mm. • Must have wavelength locating by automatic peak searching, auto loading of all parameters and auto bandwidth selection and continuously variable selection 0.2-2.0 nm with D2 lamp background correction. • Titanium burners for C₂H₂- N₂O & C₂H₂-AIR with knobs for burner optimization i.e. height, rotational and lateral. • Fully inert nebulizer. • Gas system with automatic flame changeover, full safety interlock including pressure sensors on both lines, power failure protection, burner interlock and flame sensor, flame ignition should be automatic. • Burner movement through computer, all three directional, height, rotation, lateral. • PTFE spray chamber and adjustable impact bead aerosol. • PC operating software should be able to run with MS Windows/ Open Source Software should be compliance with international

			<p>quality norms and should have upgradeable facility.</p> <ul style="list-style-type: none"> • Suitable computer system ISO certified and printer should be quoted. The system may also be upgraded with all major accessories. Suitable for 230V:50/60 Hz operation. • Single element coded Hollow Cathode lamps: Cu, Fe, Zn, Mn, Mg, B, K, Mo. • System should have facilities of repeat of result of same sample and date treatment. Automatic circulation of percentage in base material. <p>Accessories: Acetylene and Nitrous Oxide cylinder with regulator, air compressor, air filter, voltage stabilizer spares and consumables for two years operations, SS Exhaust Fume Hood with inert centrifugal blower, Instruction manual & Circuit diagram to be provided.</p>
2	Digital PH Meter	1	<p>Range pH 0-14 mV+1999 Temp o C 0-100 Accuracy + 0.01 /+ 0.1% of full scale+ 0.5 Combined Electrode for pH Thermo probe for temperature Power 230 V/AC+ 10% 50 Hz Read out 3 ½ digit 7 Segment LED Display Accessories to be supplied with instrument :</p> <ol style="list-style-type: none"> 1) Unbreakable Combined Electrode (pH 0 to 14) with clamp and stand. 2) Buffer Tablets pH 4.0, 7.0, 9.2 3) Polythene Bottles 3 Nos. (150 ml) 4) Instruction manual & Service manual with circuit Diagram. 5) Instrument Cover
3	Digital Flame photometer	1	<p>Sensitivity- (FS) Sodium(Na)- 2ppm Potassium(K)- 1 ppm Calcium(Ca)- 30 ppm Lithium (Li)- 7 ppm Accuracy- + or - 2% of FSD Display- 2.5 Digit LED Minimum sample volume - 3.5 ml Aspiration time- 30 sec Fuel gas- LPG supplied by end user Power- 230 +- 10 %, 50 Hz Accessories- Gas and Air tube</p>
4	Digital Conductivity Meter	1	<p>Range 0-200 mS with Auto ranging Wide range Measurements 20 micro, 200 micro, 2 mS, 20 mS, 200mS. Accuracy + 1% irrespective of range FS Repeatability + 0.1% Full scale reading Cell Constant 0.1, 0.5, 1.0 (Selectable)</p>

			<p>Read Out 3 ½ digit 7 segment LED : Display</p> <p>-Facility for measurement of absolute cell constant.</p> <p>-Output 20 m V full scale into 10 K</p>
5	Micro-processor Based Spectrophotometer	1	<p>Micro-processor Based (Visible Range) Single beam one / two cuvettes</p> <ol style="list-style-type: none"> 1. Wavelength : 340-960 nm (Visible Range)- 2. Accuracy : + 1 nm 3. Measuring Mode : % Transmittance (%T), Absorbance (ABS) Concentration (CONC) by K-Factor And Multistandards. 4. Operating Modes : Single Wavelength : measuring %T ABS and CONC Spectrum Scan measuring % T and ABS Time Scan, measuring % T and ABS 5. Source : Tungsten Halogen Lamp 6. POWER : 230 V + 10 % 50/60 Hz 7. Standard Accessories : 10 nm path length Four (4) cuvettes matched
6	Mechanical Shaker with Timer (Horizontal movement)	1	<p>Kahn racks, bottles or conical flasks of different sizes can be shaken by adjusting the compartments provided on the shaking rack. Speed range is from 140 rpm to 250 rpm Fitted with PMDC heavy duty geared motor for continuous rating.</p> <p>To work on 220/230Volts AC supply.</p> <p>Platform Size : 31" x 17" x 4"</p> <p>Material of Construction: M.S. Sheet duly powder coated</p> <p>Top Plat form: M.S. Sheet duly powder coated and top surface covered with non slip mat</p> <p>Motor: Heavy Duty PMDC geared motor for continuous shaking</p> <p>Shaking: Variable</p> <ol style="list-style-type: none"> a. Digital RPM/SPEED Meter with Proximity Switch. b. Automatic Digital ON/OFF timer for shaking time control <p>Shaking Speed Range: 140 rpm to 250 rpm</p>
7	Precision balance with internal calibration	1	<ul style="list-style-type: none"> • Capacity : 600 gm • Minimum load : 20mg • Readability : 1mg • Tare range : 600 gm • Repeatability : 1mg • Linearity : ± 2mg • Pan size : 128 X 128mm • Working temperature : +10° ÷ +40° C • Relative air humidity : 40%÷80% • Stabilization time : 2 s • Sensitivity drift : 2ppm/°C 10° ÷ +40° C

			<ul style="list-style-type: none"> • Interface : 2X RS232, USB-A, USB-B • Power supply : 12÷16V DC/2.1 A • Adjustment calibration : Internal (Automatic) • Display : LCD backlit • Application : weighing, • Parts counting, Checkweighing, percentage setup, Filling, Summoning function, Statistics, Density determination, Animal weighing, Caps lock of maximum indication, under hook weighing • Database input: User, product, weightments, tares, ALIBI memory • Net weight / gross weight: 3.5 kg/5.5kg
8	Table Top Centrifuge	1	<p>Angle Heads with polypropylene tubes)</p> <ul style="list-style-type: none"> - General Purpose Laboratory centrifuge with speed regulator and timer - maximum speed 5250 rpm. maximum RCF 3600 - Head size: 6 x 50 ml. operating voltage 230 V, AC - Digital speed meter and 0-60 minutes digital countdown timer.
9	Hot air oven	1	<p>(inner aluminum)Digital Temperature Controller cum Indicator to a maximum of 300°C with accuracy of +/-1°C Size: 24"x 24" x 24" (with 3 side heating element) Supplied with Air Circulation fan. or (Inner Stainless Steel) Same As Above but, inner chamber made of stainless Steel instead of Aluminium Size: 24"x 24"x 24" (with 3 side heating element) Supplied with Air Circulation fan.</p>
10	Calorimeter	1	<p>Wave length range- 400 to 700 nm with 8 optical filters Filters peak wavelength- 420 nm, 440nm, 490 nm, 520 nm, 540 nm, 570 nm, 600 nm, 700 nm Measuring modes- % T, Abs, Conc & K-factor Photometric Resolution- 0.1 % T, 0.001 Abs upto 1.999 Abs(O.D) Display- 2 line 16 character LCD K-Factor range- 0 to 1999 Concentration- 0 to 2 times the absorbance Memory- Data can be stored in memory Sample volume- 1 ml in 4ml test tube/cuvette Source- White LED Detector Hermetically Sealed photodiode Printer port- Epson compatible 80 column D M printer Power- 230 +/- 10 %, 50 Hz</p>

			Dimension- 160x200x100 mm Accessories- four test tubes and two glass cuvettes
11	Single Distillation set	1	Stainless steel body Dist .water output: 4lt/hr biological activity: Pyrogenic pH: 6 – 7 conductivity S/cm: < 3x 10 -6 Distillate temp.: 65 -75 0 C
12	Double Distillation set	1	Stainless steel body Dist .water output: 4lt/hr cooling water consumption: 150 lt/hr biological activity: Pyrogenic pH: 6 – 7 conductivity S/cm: < 1x 10 -6 Distillate temp.: 65 -75 0 C
13	Laptop computer with accessories	1	1 Processor Intel Core i5 2nd generation processor 2 Display 15.6 inch LED Backlit, 1366 x 768 resolution 3 Memory 6GB DDR RAM 4 Hard disk drive 640 GB : 7200 rpm SATA 5 Wireless LAN WiFi 6 Other connectivity Ethernet LAN/ Blue tooth 7 Operating system Windows 7 8 Keyboard and mouse Multimedia Internet Keyboard with touch pad, optical scroll mouse 9 Video chat Web camera, microphone 10 Multi in one mediacard reading 15 in 1 card reader
14	Laser Printer	1	- 12/8ppm (black) print and copy - 450 MHz processor and 160MB RAM - Net work ready for printing and faxing - Built in 10/100 base TX Ethernet/memory card slots - Scan resolution up to 19200 dpi enhanced resolution - 50 sheet automatic document feeder - 125 sheet output bin - 150 sheet multipurpose tray - reduce or enlarge copying from 25 to 400% - Fax port - High speed USB 2.0 port - One door access to the pre installed, easy to replace print cartridges with colour sphere toner. - Control panel with colour graphical display and built in help function.

Glassware required for the MOBILE SOIL TESTING LAB:

S.No	Name of the Item	Capacity	No. Required
1	Glass Beakers	150 ml	50
2	Glass Beakers	100 ml	50
3	Glass Beakers	50 ml	100
4	Glass Beakers	500 ml	5
5	Glass Beakers	1000 ml	4
6	Conical Flask	250 ml	100
7	Conical Flask	150 ml	75
8	Glass Rods	6 inch	50
9	Glass Funnels	100 mm	100
10	Glass Volumetric Flask	25 ml	100
11	Glass Volumetric Flask	100 ml	10
12	Glass Volumetric Flask	500 ml	2
13	Glass Volumetric Flask	1000 ml	4
14	Plastic Bottles	200 ml	10
15	Glass Test Tubes	18*150	60
16	Plastic Wash Bottles	500 ml	6
17	Pipettes	5 ml	3
18	Pipettes	10 ml	2
19	Pipettes Graduated	5 ml	25
20	Automatic Burette along with jars and suckers	50 ml	4
21	Automatic Burette along with jars and suckers	10 ml	2
22	Glass Measuring Cylinder	1000 ml	2
23	Glass Measuring Cylinder	25 ml	2
24	Plastic Carbuoy	20 lit	2
25	Plastic Droppers	200 ml	6
26	Spatula	1 gm(6")	2
27	Spatula	5 gm(8")	2
28	Spatula	10 gm(10")	2
29	Spatula	25 gm(12")	2
30	Tea Spoons	medium	4
31	Kjeldhal Flask	800ml	25
32	Marker Pens, Blue,Red, Black		4
33	Enamel Plastic Trays	8*10"	6
34	Wooden Mortar & Pestle	4"	1
35	2 mm Brass Sieve	8"	1
36	Plastic Buckets	20lt	2
37	Distillation set	specifications given	2
38	Plastic trays	small	2
39	Plastic trays	big	2
40	Test tube stands (Hold 12 Nos)	1 No	12

41	Funnel Stand (To hold 2 funnels)	1 No	2
42	Reagent bottles	1 litre	2
43	Reagent bottles	2 litre	2
44	Reagent bottles	5 litre	2
45	Safety pipette filler	1	1

Note: The glassware/ Plastic items should be of BOROSIL Company.

Chemicals required for the MOBILE SOIL TESTING LAB:

S.No	Name of the chemical	Quantity
1	Buffer Tablets set pH 4, 7, 9.2 (10 tabs)	1 set
2	Potassium Chloride (KCl) for electrode	500 gm
3	Hydrochloric acid	3.5 lit
4	Sulphuric acid Conc.	12 lit
5	Potassium Dichromate	1.0 kg
6	Ferrous sulphate	5 kg
7	Diphenyl amine indicator	1.0 kg
8	Sodium bicarbonate	25 bottles of 500 gm
9	Sodium hydroxide	5 kg
10	Activated Charcoal (phosphorous free)	1.0 kg
11	Ammonium Molybdate	250 gm
12	Potassium Antimony Tartarate	100 gm
13	Ascorbic Acid	250 gm
14	Para Nitro Phenol Indicator	500 gm
15	Filter Paper No 1(Whatman)	1000 sheets
16	Potassium Orthophosphate	100 gm
17	Ammonium Acetate	20 bottles of 500 gm
18	Ammonium Hydroxide	3.5 lit
19	Acetic Acid	2.5 lit
20	Barium Chloride	2.5 kg
21	Gum Acacia	2.5 kg
22	Calcium Chloride	5 kg
23	Calcium Sulphate	500 gm
24	Barium Sulphate	500 gm
25	Silver Nitrate Powder	25 gm
26	0.02 N EDTA	500 ml
27	0.02 N H ₂ SO ₄	500 ml
28	Methyl Orange	25 gm
29	Phenophthalene	50 gm
30	EDTA indicator	500 ml

PRICE QUOTE

ANNEXURE- III
PRICE QUOTE

(as per specifications mentioned in Annexure-II)

Mobile Soil Testing Labs including Mobile vehicles, equipment,
glassware, chemicals for Soil Testing Lab

Description of Item	Quantity	Rate	Vat@	Amount
Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals	1 No			

1. The basic rates quoted should be inclusive of all Taxes / Duties on FOL delivery to the concerned lab & inclusive of loading, unloading, TR, Transit Insurance, Registration, training to concerned officials with machine operation etc. VAT shall be shown separately.
2. The rates quoted in the Price quote should be firm and valid up to 31.06.2016. The APSAIDC Ltd. will not entertain any upward price revisions during the agreement period. The validity period can be extended on mutual consent of both the parties.
3. The rates and units shall not be over written. The rates and units shall always be in both figures and words.

Place :

Date

SIGNATURE OF OFFERER WITH SEAL

ANNEXURE - IV
DECLARATION ON Rs.100/- NON JUDICIAL STAMP PAPER

1. I/We have read and understood the terms and conditions of EOI schedule relevant to “EOI notice” dated: 06-02-2015 and I/we have submitted the Annexures in accordance with the terms and conditions of above EOI schedule.
2. I/We shall not sell the products being quoted through this EOI schedule, at a lower price either to Government / Private parties in the State of Andhra Pradesh by way of giving any additional trade discount or incentives. If any such incident is noticed the A.P.S.A.I.D.C. Ltd. has the right to restrict all payments to such a lower rate apart from initiating penal action.
3. The information furnished in the Annexure-I is true and factual. I clearly understand that our EOI schedule is liable for rejection, if any information furnished is found not true and factual, at any point of time.
4. The product/s offered by us is not copied or duplicated from any product design. In case the Corporation authorities find at any Time our products are an imitation or duplicate, we are bound for any legal action to be taken on us including blacklisting our firm.
5. I/We declare that I/we do not violate any patent/trade mark rights of any other manufacturer.

Place:

SIGNATURE OF THE OFFERER

Date:

WITH SEAL

DATA SHEET

Information to EOI applicant(s)

Clause Ref.	Description
1	<p>The name of the Client is :</p> <p>Vice Chairman & Managing Director APS Agro Industries Development Corporation Limited 504, Hermitage Office Complex, Hill Fort Road, Hyderabad – 500 060, Andhra Pradesh. Ph: 040-23391331, 23314246, 23317225 Fax : 040-23394234 Email: apagros@ap.nic.in Website: www.apagros.org</p>
2	<p>The Method of selection is :</p> <p>Quality-and Cost-Based Selection (QCBS)</p>
3	<p>The Edition of the Guidelines is :</p> <p>As furnished in the EOI schedule</p>
4	<p>EOI and Financial Schedules are requested Separately: Yes</p>
5	<p>Particulars of materials to be supplied: Supply and installation, commissioning, validation of Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals.</p>
6	<p>The addresses and Telephone numbers of client's Regional offices are</p>
1	<p>Regional Manager. APS AGRO IND. DEV. CORP. LTD. Thotapalem road, Opp. RTC Bus stand, Vizianagaram 531202, Andhra Pradesh, Phone No: 08922-224256. Mobile No. 9848232458</p>
2	<p>Regional Manager, APS AGRO IND. DEV. CORP. LTD. Pension office lane, Maidan grounds, Eluru 534 005, Andhra Pradesh, phone No. 08812-230731 Mobile: 9848232458</p>
3	<p>Regional Manager APS AGRO IND. DEV. CORP. LTD. Besides IMFL Godown, Nallapadu Guntur 522006, Andhra Pradesh Phone No.0863-2290299, Mobile: 9948099876</p>
4	<p>Regional Manager, APS AGRO IND. DEV. CORP. LTD. Talauk Office Compound, Railway Feeders Road, Nellore – 524 001. A.P, Phone No.0861-2331274, Mobile: 9948099876</p>

5	Regional Manager, APS AGRO IND. DEV. CORP. LTD. Industrial Estate, Bellary road, Anantapur- 515 001, Andhra Pradesh. Phone No.08554-270815, Mobile: 9948076847
6	Regional Manager, APS AGRO IND. DEV. CORP. LTD. Vellore rd., Opp: Z.P. office Chittoor - 530 012. Andhra Pradesh. Phone No.08572-233721, Mobile: 9948076863
7	The client will provide the following: Technical specifications of the Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals
8	The EOI submission address is: Vice Chairman & Managing Director APS Agro Industries Development Corporation Limited 504, Hermitage Office Complex, Hill Fort Road, Hyderabad – 500 004.
9	The information on the outer envelope should also include: EOI for Supply and installation, commissioning, validation of Mobile Soil Testing Labs including Mobile vehicles, equipment, glassware, chemicals. Validity of EOI shall be 90 days from the date of submission.