TENDER FOR SUPPLY OF LABORATORY INSTRUMENTS/EQUIPMENTS

Tender for Laboratory Instruments/ Equipments. **Price: Rs.1000.00**

Issued to _____

Money receipt/DD No._____ Date _____

TENDER FORM FOR SUPPLY OF LABORATORY INSTRUMENTS/ EQUIPMENTS FOR THE FINANCIAL YEAR 2011-12

To,
The Tender Co-ordinator (Instrument/Equipment**) and**
Head, Department of Plant Pathology
Dr. Panjabrao Deshmukh Krishi Vidyapeeth,
P.O. Krishi Nagar, Akola 444 104 (MS.)

Dear Sir,

1. In response to the tender notice published in the daily newspaper _____ dated _____ or at web site www.pdkv.ac.in . I/We submit herewith the tender form for the supply of equipments and machinery.

2. I/We have thoroughly examined and understood the terms and conditions of the tender mentioned in Appendix-I and I/we agreed to abide by them in full.

3. I/We offer to undertake the supply of laboratory instruments / equipments and quoted the rates inclusive of all taxes, freight etc., as given in Appendix-II. It is agreed that no additional charges other than those mentioned in Appendix-II would be payable to me/us.

4. I/We accept that the rates offered shall remain valid **for a period up to 30 / 06 / 2012 from the date of execution of agreement.** I/We further agreed that if the date up to which the offer would remain open be declared as holiday for office, then offer will remain open for acceptance till next working day.

5. I/We shall be bound by communication of acceptance of the offer, dispatched within prescribed time.

6. I/We accept that the right to accept or reject whole or part of the tender without assigning any reason is reserved with the University. The decision of the University will be final and shall be binding on me/us.

7. As required by the terms and conditions of tender an amount of Rs._____(1% of the estimated cost of Instrument/Equipment for the item tendered) of Appendix-II paid by me/us as Earnest Money Deposit (E.M.D.) through **Demand Draft (DD) of any Nationalized Bank** or **Bankers Cheque (for local parties only)** payable at State Bank of India, Dr.P.D.K.V., Akola Branch No.2171, Akola bearing No._____ dated _____ in favour of **The Head, Department of Plant Pathology Dr.PDKV,Akola**, payment of EMD in any other form will not be accepted.

8. I/We agreed to undertake to supply the equipments at location of office mentioned in final supply order and as per the specification of the final orders within six weeks from the date of supply order or the date specified in the supply order.

9. I/We also agreed to undertake to supply of laboratory equipments to other offices of University spread over Vidarbha region under same terms and conditions against the supply orders.

10. As per the terms and conditions Part-I of Appendix-I, I/We are submitting my/our offer in two sealed envelopes enclosed in envelop No.3. Envelop No.1 contents documents as per the condition Sr.No.9 of Part-I of Appendix-I. Envelop No.2, includes rates quoted by me/us in Appendix-II.

11. I/We also agreed that University has full rights to open/consider the second envelop if and only if University satisfied with information contents in envelop No.1. The decision of the University regarding this will be final and will be binding on me/us.

12. I/We hereby declare that the entries made in this tender form, i.e. in Part II of Appendix-I and Appendix-II are binding on me/us. I/We shall be bound by the Act to my/our authorized representative duly constituted Attorney Sh. _____ whose signature is appended hereto in the place specified for the purpose and of any other person who in future may be appointed by me/us in his place to carry on the business of this concern/agency/firm. The intimation of such change will be given to the **Chairman, Central Purchase Committee**, **Dr. PDKV, Akola.**

13. I/We hereby take the responsibility of maintaining the equipments at their locations at free of cost in warranty period. I/We hereby take the responsibility to provide the service under AMC after expiry of warranty periods.

The following documents duly filled in and signed are enclosed along with the tender. The part one of Appendix-I being the terms and conditions is retained by me/us for my/our information and record.

Yours faithfully,

Place :

Date : Signature of the Supplier

Capacity in which signing :_____
Name and Address of the firm/supplier/tenderer: _____
Registration No. of Supplier/tenderer: _____

List of Documents (Checklist)

i) Tender Form
ii) Demand Draft (For EMD)
iii) Sale Tax Registration certificate /Sale tax return certificate
iv) Original catalogs, pamphlets/pictures of the appliances offered
v) Certificate of Sole Manufacturers/authorized supplier/ dealer
vi) Photocopy of exemption certificate for EMD (If applicable)

vii) Part II of Appendix -I

Bank Draft No._____ Dt_____ Rs._____

Signature of constituted Attorney/
Authorized representative

Signature _____ Date:_____

Name & Address:_____

APPENDIX-I

Terms and conditions governing "**SUPPLY OF LABORATORY INSTRUMENTS/EQUIPMENTS**"

PART-I

1. Sealed tenders are invited from manufacturers/authorized dealers of manufacturers/ authorized suppliers/dealers of overseas who are willing to undertake supply of instruments/equipments as per the specifications mentioned in Appendix-II .**Tenders received late in person/by post will not be considered. The tenders will be opened on 17th Sept.2011 at 11.00 hrs in the office of the Associate Dean, College of Horticulture, Dr.PDKV,Akola the presence of the intending suppliers/ representatives who may desire to attend.**

2. The rates both in words and figures without any corrections or over writing should be quoted in Appendix-II for each individual item separately. Any over writing or rewriting should be duly countersigned. **The rates must be valid up to June 30, 2012.**

3. The intending supplier shall also have to mention, the detailed specifications, name of manufacturer/make, model of the article and has to enclose the only original catalogs, pamphlets/pictures of the appliances offered, for which the rates are quoted. The photocopies/ Xerox /FAX of these documents will not be considered. In absence of the above original documents, the item(s) offered will not be considered.

4. **The preference will be given to the items bearing ISI/ISO quality control make for the laboratory instruments/equipments.**

5. The tenderer must enclose adequate documents to prove their authorization claims**, the authority letter should include the details of principle supplier/manufacturer regarding their full address, contact person, e-mail address, fax no. and address of the website** and if not enclosed this, University reserves the rights to accept or reject tenders of these agencies. The decision of the University regarding this will be final and shall be binding on tenderer.

6. Tenderers will have to supply instrument / equipment as per the Appendix II. University will not accept the assembled equipments.

7. The tenderer should quote the rates inclusive of essential/optional accessories of all charges in Appendix II only of the tender form issued by this office and not on any other form.

8. Installation, successful demonstration of equipment in the respective department is obligatory.

9. The tenderer should submit his offer in two separate envelopes *i.e.* in first envelop with superscription **"TENDER FOR SUPPLY OF INSTRUMENTS/EQUIPMENTS" (TECHNICAL INFORMATION) ENVELOPE NO. 1**

a. D.D. for E.M.D. (should be 1% of the cost of Total Tendered Item(s) in case of EMD exemption relevant certificate be enclosed)

b. Sale Tax (CST, BST, VAT etc.) Registration certificate/ Sale Tax Return certificate/ TIN No.

c. Original catalogs, pamphlets/pictures of the appliances offered. Documents in support to reveal capacity to provide service after sale

d. Certificate of Sole Manufacturers/authorized dealers of manufacturers/authorized supplier/dealers of overseas.

e. Clients/ Users list of item(s) of Company/Dealer and total experience in this field.

(**Important: Above (a) to (g) documents if not enclosed, the Envelope No. 2 will not be opened**)

10. The tenderer should provide the rates quoted only in Appendix-II in second envelop with superscription **'TENDER FOR SUPPLY OF LABORATORY INSTRUMENTS/ EQUIPMENTS" (RATES) ENVELOP NO. 2**

11. Enclose sealed envelope No. 1 and 2 in envelope No.3 with superscription **"TENDER FOR SUPPLY OF LABORATORY INSTRUMENTS/EQUIPMENTS"** and be submitted to the undersigned.

12. The intending supplier should quote the rates inclusive of all expenses, charges, taxes, duties, transportation, packing and forwarding, insurance etc. i.e. All "Inclusive" (in the prescribed format enclosed with this tender form) with free delivery as mentioned in Appendix-II at respective office/ laboratories of the University. However, the Octroi will be over and above this, if applicable. The laboratory instruments / equipments will have to be supplied as per the specifications within **SIX WEEKS** or as per the last date mentioned in the final supply order. In case the tenderer requires more time than as stipulated above for effecting actual supply of a particular item shall specifically mention in the tender form

13. The University will reserve full rights to open/consider the second envelop if and only if the University is satisfied with information contents in envelop No.1. The decision of the University regarding this will be final and shall be binding on tenderer.

14. The supplier will have to supply, in full the articles as per the order to different offices/ laboratories of the University located any where in Vidarbha region till date of validity of rates.

15. This University do have exemption in octroi, excise duty & custom duties, the certificates will be provided along with the supply order if necessary.

16. The tenderer shall have to deposit Earnest Money Deposit **(E.M.D.) 1 %** of cost tendered through **Demand Draft** (**Nationalized Bank only**) drawn on State Bank of India, Dr. PDKV, Branch Akola (Branch No.2171), payable to **The Tender Co-ordinator (Instruments/ Equipments) and Head, Department of Plant Pathology Dr.PDKV, Akola** and the same should be enclosed in Envelope No. 1 of the tender. The tender without E.M.D. or less E.M.D will not be considered. If the tenderer having exemption for EMD, he should enclose the copy of the certificate and be produce original for verification on the date of opening of the tender or within a week period thereafter. The amount of E.M.D. will be refunded in case of unsuccessful tenderer on submission of application with Money Receipt in original soon after the final decision. In case of successful tender it will be refunded on production of original receipt after completion of validity period of the agreement to be excuted between the tenderer and the University, Dr. P.D.K.V., Akola. The University will not make any payment towards interest on such deposits.

17. The Specimen of "Agreement Bond" will be provided along with letter of acceptance to the tenderer whose rates are accepted by the University. The tenderer shall have to execute agreement in the prescribed form on Stamp paper costing to Rs.100/- or fixing court fee stamp on agreement paper, which should be submitted to this office ordering supply within specified time. The agreement received under seal and signature of tenderer will become legal agreement between the tenderer and the University, which will be binding on tenderer within Akola jurisdiction.

18. The tenderer at the time of final order/ agreement will have to furnish **security deposit @ 3% of total cost** of the items accepted and ordered for supply by the University as offered in the tender either through demand draft or Cheque **in favour of the concerned office, Dr. PDKV, Akola**.

19. The amount of security deposit without any interest there on will be returned to the tenderer after 12 months or the expiry of the warranty period whichever is later from the date of supply, subject to the surrender of money receipt in original in respective office.

20. If the tenderer fails to comply with the supply order within the specified period his order will be cancelled and EMD will be forfeited.

21. The quantity mentioned in Appendix-II of this tender is subject to variation according to actual requirement of this University. The quantity may vary in case of competitive market rates. The right to enhance or reduce the quantity of any tendered item(s) and right to accept/reject whole or part of the tender, without assigning any reason, whatsoever, is reserved by the undersigned. The decision of the undersigned shall be final and it shall be binding on the tenderer.

22. On the acceptance of the rates as per the approved tender, the supply order will be placed by respective Head of the Office of University.

23. As soon as the tenderer delivers the tender in the office of the undersigned, it shall be binding on him and he shall not be able to withdraw or amend the offer.

24. The respective Head of the offices also reserves the right to accept or reject the supplies in full which do not strictly stick up to the specifications.

25. The tenderer are bound to supply only genuine equipment of the make/model/specification etc tendered by him/it and ordered for supply by the university/offices under it shall be liberty to ask for production of sufficient proof that the manufacturer is rendering adequate business support to the tenderer/supplier or university will have the right to get satisfied approaching the manufacturer without noticing to the tenderer for genuivity of instrument and authority to supplier.

26. The undersigned reserves the rights to accept or reject higher version of instrument/equipment etc. or any other items under the same terms and conditions and same price quoted by tenderer in Appendix-II.

27. In case of poor response from the suppliers, from the first call, the items of poor response will be retendered if necessary

28. Final payment of instrument/equipment will be made only after installation and successful demonstration at the respective department of the university.

29. The credit bill should be presented in triplicate in the name of respective authority as quoted in final supply order. For any delay in payment (interest or any other kind of compensation) the University will not make any extra payments. **This contract will be governed as per terms and conditions mentioned above, agreement made and the provisions contained in M.A.U. Account Code, 1991**. Delay in supply within the prescribed time limit or the extended time limit, making of supplies not up to the standard specification and performance or non-observance or non-acceptance of these terms and conditions by the tenderers shall constitute breach of contract and the security deposit or any other deposit of the tenderer shall be forfeited by the University besides other actions or reduction bills of supplies and/or other legal actions and finally the decision of the University shall be binding on the tenderer.

30. Every page to tender should be numbered and signed with seal by the tenderer. The right to accept or reject whole or part of the tender or all tenders without assigning any reasons thereof is reserved by the University.

31. The university will initiate the legal action against the firm/company/ supplier, if the supplied sports goods and material found of poor quality /not as per the nationally approved standards/replica of original material. The Firm/Company/ Supplier will be blacklisted for further filling of any tender of the University.

32. In case a supplier supplying the no. of items to a single department, the single agreement bond shall be legitimate, but 3 % security deposit should be given for each item supplied.

Encl: 1) Part-II of Appendix-I
2) Schedule of supplies in Appendix-II

Place: Akola

Tender Co-ordinator (Instrument /Equipments)
Head, Department of Plant Pathology
Dr. Panjabrao Deshmukh Krishi Vidyapeeth,
P.O. Krishi Nagar, Akola 444 104 (MS.)

We have accepted above terms & condition and agreed to abide by them.

Signature with seal of tenderer:-

Capacity in which signing:-

Name and address of the firm/supplier/tenderer:-

Registration No. of firm/tenderer:-

Part-II

Undertaking to be given by the tenderer for "The supply of Laboratory Instruments / Equipments"

Whereas, the Chairman, Central Purchase Committee Dr. P.D.K.V., Akola has called the tenders through the Co-ordinator for supplies of Instruments/Equipments as per the enclosed Appendix No-II.

I/We hereby offer our tender at the rates given in the enclosed Appendix -II duly filled in and signed by me/us and hereby also affix my/our signature(s) below this tender voluntary and full acceptance of all the terms and conditions of this tender, which shall be the agreement between the above tender calling authority and myself/us.

Enclosed: Appendix-II

Signature of the Supplier:_____

Name of the Supplier:_____

Capacity in which signing:_____

Full address of the Supplier with Seal/Stamps ———

Place:

Date:

Appendix II

Format for quoting the rates of the Instruments/Equipments (As per serial No.12 in Appendix-I)
Form of Tender rate quoted by me/ us for supply of Instruments/ Equipment to the officers under Dr.P.D.K.V, Akola (as per serial No.12 in Appendix-I)

Sr.	Name of instruments/ equipment	Specification*	Cost of instruments/ equipment with essential optional accessories	Excise	VAT/ CST/ BST	Custom Duty	Packaging forwarding	Any other	Total Taxes	Cost of instruments / equipment inclusive of all taxes

*If the specification mentioned by the tenderer is deviated from the specification proposed by the University, tenderer have to give compliances in prescribed format given below.

Proforma
Information regarding specification compliances
Name of tenderer: ----------

Sr.	Sr. No. & Name of equipment included in tender enquiry/form	Specification/part of specification given in the tender form of the University for which tenderer has offered differently	Specification/part of specification that the tenderer has offered differently	How the different specification is suitable for the intended use by the University

LIST OF INSTRUMENTS / MACHINERIES TO BE TENDERED 2011-12

Compiled list of equipments and machinery

Sr.	Name of item	Specification	Remarks
1	Laminar Air Flow Horizontal	**Size : 180 x 60 x 60 cm**, To provide clean air to working plate form, study Diraboard construction, elegant sunmica finish, vibration free unit, stainless steel working plate form, HEPA filter efficiency 99.97% down to 0.0 micron, pre filter efficiency 99% down to 5 micron, UV germicidal lamp 30W, fluorescent illumination, static pressure manometer, cock for gas, foldable acrylic transparent door, Plastic grill for protection of HEPA filter, removable covers to attend motor blower filter,	RE SCHOLAR make
2	Vertical autoclave 22 x 30, 175 liter capacity, 6KW, 85 x110x 145 (outer dimension)	Vertical double walled design having single chamber for steam and water working chamber made of stainless steel LM 304 grade of 2 mm thickness. Outer cover made stainless steel 1 mm thick lid, flange and bottom sheet also made of stainless steel. All joints of argon welded joint less silicon gasket. Heavy duty industrial flange heater, pressure range 15 – 20 PSI, Pid fitted pressure gauge 0-30 PSI, safety spring loaded pressure valve and steam release valve, foot lifting arrangement electrical 230/15A/50Hz. Temperature control microprocessor based digital display. Temperature sensor 121 to 125^{o}C, Temp. resolution 01^{0}C	Orbit make
3.	Vertical autoclave 12 x 10 , 35 liter, 2 KW, 75 x 48 x 105 (outer dimension)	Vertical double walled design having single chamber for steam and water working chamber made of stainless steel LM 304 grade of 2 mm thickness. Outer cover made stainless steel 1 mm thick lid, flange and bottom sheet also made of stainless steel. All joints of argon welded joint less silicon gasket. Heavy duty industrial flange heater, pressure range 15 – 20 PSI, Pid fitted pressure gauge 0-30 PSI, safety spring loaded pressure valve and steam release valve, foot lifting arrangement electrical 230/15A/50Hz. Temperature control microprocessor based digital display. Temperature sensor 121 to 125^{o}C, Temp. resolution 01^{0}C	Orbit make
4	Spray pattern distribution system	Performance and endurance test ring for knapsack, rocker foot and hand compression sprayer. Strap drop and tank impact test rig	

		Test rig for fatigue on compression sprayer Test rig for trigger type cut off devise Nozzle performance test rig Patternator Reciprocating pump test bench Test set up for air assisted sprayer testing (Tractor mounted blower) Test set up of mist blower Spray launce pressure test rig Leakage test for delivery line	
5	Digital pressure measuring equipments	Pressure range 0 – 1,2,4,7,10 kg/cm^2	
6	Shore Hardness tester A or D (Durometer) (Hardness Tester for non conducting metals)	Suitable for determining the indentation hardness of materials from rubber to rigid plastics of pipes, rods, plates etc. **Shore A** is designed to measure the penetration hardness of rubber, elastometers and other rubber like materials such as neoprene, silicone, vinyl, soft plastics, felt, leather & similar materials. **Shore D** is designed for plastics, Formica, epoxies & plexiglass etc Specifications: Display - 4digit 10mm LCD, Range-10-90 H, Accuracy ± 1%, Resolution - 0.1, RS 232 interface- provided, Cable & software- provided, Power Off-auto/manual, Weight- 170 gm App.,. Temp./humidity= 0-50^{o}C/ ‹ 80% RH, Accessories -Carrying Case, test block, Aux. supply- 4 x 1.5V AA size batteries, cabinet size 162 x 65x 28 mm ABS plastic	
7	Hydraulic Jack	Suitable to lift the tractor/ machinery/equipment, handle operated hydraulic lift, four wheels for stability, capacity- 2 ton	
8	Digital Dynamometer (Instead of spring type)	Suitable for measuring the draft of bullock drawn implements, Tension type, hooks provided to both ends Capacity- 0 to 500kgf Capacity- 0 to 1500 kgf	
9	Starter and power factor improver kit with capacitor bank	ISI standard	
10	Study of star Delta starter complete on panel mounted	ISI standard	

11	Efficiency single phase motor. No load / block rotor test complete set up with single phase induction motor , demerstat and meters on panel.	ISI standard	
12	Audio frequency generator	ISI standard	
13	Power distribution network consist of control panel . three phase energy MCB, ELCB main switch etc.	ISI standard	
14	Speed control of DC motor ½ HP controller thoirestorised complete setup	ISI standard	
15	Cut model of Dc generator	ISI standard	
16	Cut model for induction motor	ISI standard	
17	Demonstration model of wind generator	ISI standard	
18	Pyranometer with recorder	Calibrated against an Eppley precision spectral pyranometer (PPS) under natural day light condition. Typical error under these conditions is $\pm$5%. Sensitivity typical 90uA per 100 Wm^{-2} linearity: maximum deviation of 1% up to 3000 Wm^{-2}, Stability $<\pm$2% change over a 1 year period., Response time : 10us temperature. Dependence 0.15% per ^{o}C maximum. Cosine correction : cosine corrected up to 80^{o} angle of incidence. Azimuth $<\pm$1% error over 360^{o} at 45^{0} elevation. Tilt: No error inducted from orientation. Operating temperature 40-65^{o}C. Relative humidity : 0-100%. Detector : High stability silicon photovoltaic detector (blue enhanced). Sensor housing : Weather proff anodized aluminum case with acrylic diffuser and stainless steel hard water. Size: 2.38 dia x 2.54 cm H (0.94 x 1.0)	
19	Microprocessor based dataloger	Data loger with real time clock (RTC), rinter output port and serial com port and extra 128 kB memory bank for data. Storage (XX = 04,12,18) 16-24 channel / process data logger, designed for continuous monitoring and logging of temperature or process variables at 2-32 different locations with indicating accuracy 0.1^{0}C or 1^{0}C. design: microprocessor based (8 bit) with 12 bit ADC and 8 bit DAC No. of channels 16-32, input J,K,R,S,B.C,D,RTD (PT-100), RTD (PT-1000)/2 3 wire, (4-20)mA V etc. Range 20to 2000 ^{0}C	

		subjected to the specified input. Resolution: 0. 1^0C, 1^0C display 4 digit each 0.5" 7 segment red LED to d for channel no.	
20	Digital solar meter (Suryamapi)	Digital solarimeter made of Poly cabinate with solar cell mounted over it. Solar intensity indicator digital LCD monitor, battery operated complete range upto 999w/m^2 with resolution of 1w/m^2, accuracy $\pm$ 3% complete with following accessories. Data logger: single channel data logger suitable for recording of solar radiation with capacity upto 5000 reading, in M.S. fabricated box, with Rs 232 interface out for direct interfacing data logger to computer for analysis and display built in integration facility to show total solar radiation in selected time period. Complete with software for transferring data from datalogger to PC. Analysis like viewing of graphic results, integration of solar intensity, integration values with respect to time and data etc.	
21	Digital gas flow meter	Direct flow measurement fully elctonic, handy and battery operated model. Flow range 50 ml/ min to 2000ml/min with least count of 0.1ml/min (Autorange)	
22	SPV refrigerator (Vaccine refrigerator) as per WHO standard	Load capacity: 80L with DC compressor and insulation. Refrigeration between -3^0C and -6^0C. 200 Wp solar photovoltaic modules with GI module mounting structure.200Wp uits 130 Ah lead acid batteries. One 24V charge controller / regulator. 10m 4-core 4.5 mm^2 insulated copper cable with all accessories. Dry weight of refrigerator (with dry batteries charge controller, compressor 150kg) Photo voltaic modules array with stand.	Make: SPRER TECH
23	Solar power pack for class room	SPV modules in arrays: 2KWp (Solar array capacity 80Wp rated high efficiency , multi crystalline modules 24 nos. suitable for generating 12 V 80 Wp.) Solar modules mounting structure 3 no. Power conditioning unit 2KVA PCU complete with charge controller and inverter system 1no. Junction boxes 1 no. cable and earthing material 1 set. Distribution panel 1 set. Rechargeable battery bank 48 V, 300 Ah @ C10 battery system 1 lot. Battery bank rack 1 no.	
24	Solar photo voltaic pump	Solar PV panles: 1800 Wp comprising of 75 Wp modules. Motor pumps set types 2hp centrifugal DC monoblock/ AC submersible. Operating voltage 60 V DC. Maximum suction head 6 meters facilties provided in the panel seasonal tilt angle adjustment three times mannualy tracking.	Kirloskar / TATA / BPL make
25	Solar power pack for photovoltaic for teaching photovoltaic training kit	Power conditioning unit with photometer, charge controller 12/24V inverter 230/150W output ,10-15V input with different meters to measure various parameters. PV modules 37 Wp with stand 2 no. halogen lamp 1000W. battery 4.5 Ah/12V. AC/DC load box. Radiation meter: complete with hand outs instruction manual and experiments manual.	Ecosense make.
26	Low volume high speed cooling	Microprocessor based control low volume high speed cooling centrifuge Model CPR24	REMI make

	centrifuge	in floor top design	
27	Potter spray tower	Diameter of spray Tube : top flange 15.7 cm, bottom flange 11.9cm. Spray circular area 9cm, Maximum: diameter of specimen dish on table 11 cm. max working pressure 2 kg/cm^2, capacity of reservoir 24 ml, 122 x 36 x 36 cm. Shipping weight : net 21 kg, gross 32 kg volume metric 52 kg.	
28	Stereo Zoom Microscope with drawing tube	With higher magnification, Photography attachment, object sketch drawing tube facility from Zeiss, Leica, Nikon company of microscope preferably the advanced model to meet the requirement of insect taxonomic characters study with digital high quality camera. With higher magnification, Photography attachment, object sketch drawing tube facility from Zeiss, Leica, Nikon company of microscope preferably the advanced model to meet the requirement of insect taxonomic characters study with digital high quality camera. Stereo Zoom Microscope Body of Parallel Optics (or Telescopic design) and should have zoom changer with zoom ratio range 8 :1 Basic magnification should be continuously variable from 10x to 80x using 10X eyepieces and Panchromatic objective 1.0x. It should be possible to resolve object structure upto 1.5 µm with objective 1.0x. for very low magnification special objectives 0.3X should be available 10x Eyepieces should have field of view of 23mm and focusable type to attach reticles for measurement or documentation. The eyepieces should be suitable for eyeglass wearers and with variable dioptre setting ±5. Microscope should have a working distance of at least 80mm when using 1.0x objective Microscope should have a large stand with scratch proof base plate and should have coarse and fine focusing mechanism. Microscope should be quoted with incident light and transmitted light illumination (with BF and DF) through cold light source 15V 150W with LED illumination. Binocular phototube with ergonomic viewing angle of 20 ºDrawing attachment 1x C mount to attach a 5.0 Mega pixel Digital Microscopic Camera The microscope should be upgradeable for Fluorescence and coaxial illumination	
29	Research compound Microscope	With higher magnification, Photography attachment, object sketch drawing tube facility	

	With drawing tube	from Zeiss, Leica, Nikon company of microscope preferably the advanced model to meet the requirement of insect taxonomic characters and micro slide studies with digital high quality camera. With higher magnification, Photography attachment, object sketch drawing tube facility from Zeiss, Leica, Nikon company of microscope preferably the advanced model to meet the requirement of insect taxonomic characters and micro slide studies with digital high quality camera. Optical system CF160, magnification 40 - 1500 X, 8 – 500 X for 35 mm photomicrography, eyepiece tube , eyepiece CFLE-10X, CFLE-15X,Photo lens 2X, 2.5X,4X, 5X, Nosepiece, fine focusing , stage , objectives, Condenser, illumination system, Intermediate attachment, drawing tube, Eye level riser, teaching attachment.	
30	Versatile Insect Storage System with Insect showcases (Mobile Racks for Insect Storage with insect showcases)	Mobile racks should consist of four number of optimizer placed together. Anyone of the four can be moved to make space between two optimizer. Inside each optimizer racks should be provided for storing 40 numbers of insect showcases of size 45x30x7.5 cm. arranged in two vertical rows. In middle optimizer, storage space should be back to back *i, e* middle optimizer are for 80 showcase each and side optimizers for 40 showcase each. Optimizer body should be in rigid knock down construction. It should be made up of CRCA sheet and powder coated with epoxy polyester powder and provided hinged doors, undercarriage should have welded frame of HR sheet, Bodies should be bolted to undercarriages and these move on channels. It should be provided with centralized locking arrangement with the help of a locking stiffener. It should be mounted on the last movable unit and should get locked when the entire unit brought together. Insect showcase cabinet provided with 20 showcases of 45x30x7.5 cm size for keeping insects. Showcase for pinning of insect inside bottom only having teakwood frame with MDF board bottom and glass in wooden frame on top is nicely polished. Bottom lied with 8 mm thick soft pinning washable EVA sheet inside glazed white. It should have raised wooden wall with holes for insecticide inside bottom to make air tight and pest proof and also fitted with brass hinges index card holder and clips. Cabinet frame of CRCA sheet and powder coated with epoxy polyester powder. Hinged door provided with handle and lock.	
31	Hand Net Insect Collection Net (Deluxe)	a) Ring made up of Iron supported on stout aluminum handle with rubber grip at end. b) Net fitted with ring through cloth rim. c) Ring Diameter :	

		1. 15 inches, length of handle 3 feet long. 2. 10 inches, length of handle 2 feet long. d) Strong wire ring diameter 12'' duly painted, anodized aluminium fitted with hand grip	
32	Tent canvass	All size	
33	Entomological pins	Imported Nickel quoted pocket 100 pins each	
34	UPS	Microtek	
35	Aerial Insect trap (Improved)	Acce make / Rescholar make	
36	Box for Glass specimens tubes	Acce make / Rescholar make	
37	Vaccum Cleaner	Eureka Forbes	
38	Halogen Cathode Lamp for Automatic Absorption Spectrophotometer (AAS) Make- Varian (Agilent) Model-Spectr AA-220	Make- Varian (Agilent) Model- Spectr AA-220 (Part No.)	
A	Zinc	5610128800	
B	Copper	5610123300	
C	Iron	5610124600	
D	Manganese	5610125200	
E	Molybdenum	5610003500	
F	Cobalt Chromium	5610129200	
G	Boron	5610000700	
H	Mercury	5610125300	
I	Ag/Cd/Pb/Zn/silver/ cadmium/lead/zinc	5610108700	
J	Graphite furnace for AAS Make- Varian (Agilent) Model-Spectra AA-220		
K	Kit spares and tools	No.AA 99-100209-00	

	for AAS Make- Varian (Agilent) Model- Spectra AA-220		
L	SIPS-10 with power supply module for AAS Make- Varian (Agilent) Model- Spectra AA-220		
M	Fast sequential for AAS existing Spectra 220 to be upgraded to fast sequential function Make- Varian (Agilent)		
N	Air compressor for AAS	Model-HS-WP-1 Working Air pressure -100 PSE (70 kg cm^2) Free air displacement -110 LPM (3.9)Fm Electrical-3/4 HP, 230 V-1 ph-50 Hz ,Amp-4.0 watts-550	
O	AIR filter for AAS	ShavoNorgren poly carbonate 10 bar Max at 50 ^oC	
H	Directorate of Extension Education		
39	Video camera	AG- HPX-172/ AG HPX 170 series	Panasonic ,
40	Camera lenses for Nikon DSLR 3005	AF- S DX Nikkor 18-200 mm f/3.5 - 5.6 ED VR II/ Nikon	
41	Flash gun	SB 900	Nikon
42	Telephone intercom system ISO certified	Simons/ copper connection 3/16 lines with basic telephone all accessories and installation charges	
43	Wireless Networking system	Wireless access point with router wire less LAN card/ delink (with all accessories and fittings and one year maintenance.)	
44	External hard disk	EHD 500 GB	Seagate
45	Treadmill	0-12% elevation and 20kmph speed and programmable Technical Data: Motor: 3hp Continuous DutyRunning Surface: 150 x 50 cm Running Belt: two-ply speed: 1 - 20 km/h (adjustable in increments of 0.1 km/h) Inclination: 0 - 12 % (adjustable in 1 % increments) Console: Display: time, distance, speed, inclination, pace, calories, pulse , Display of course profiles with LCD, Training programs: 20 4 direct selection buttons for speed features: Heart Rate Measurement:	

		direct selection buttons for speed features: Heart Rate Measurement: Chest Strap Incl. PC interface, Extras: transport wheels	
46	Harpenden Anthropometer and skinfold caliper	Direct and accurate reading, to the nearest millimetre, over a range of 50 mm to 570 mm. sliding member operating via miniature ball-bearing rollers in order to ensure a movement which is free yet without cross-play. supplied in a well made carrying case, complete with straight and recurved branches, a spare counter and beam extensions for the measuring of heights of up to two meters	
47	Bicycle ergometer	Manually programmable, inbuilt HR rate control programme, breaking power upto 600W, colour screen, inbuilt memory capacity, inbuilt performance tests, inbuilt USB/RS 232 port for computer interface. System should be international standard with safety feature as class I, weight less than 50 kg & weight carrying capacity 150kg.	
48	Force Sensor	Linearity (Error) <±3% Repeatability : <±2.5% of full scale Hysteresis : <4.5% of full scale Drift:<5% per logarithmic time Response time <5µ sec Operating temp : -9°C -60°C	
49	Portable Handheld Datalogger	**Model (OM-2041)** Input signals K,E,J,T, 0-5V and 0-20mA Simultaneous 4 channel measurement High/Low alarms for each channel Logging method log mode & Tag mode Data Processable through a personal computer IP 64 protection "AA" Battery power supply or AC adapter. Palm size data logger capable of storing upto 10,000 data records per channel. With exclusive software recording/recalling of data and programming of logging parameters	
50	Seed Germinator (Double Chamber) (Compact Model)	Make –INDOSAW No. of Chamber : Two (both heat & both cooling) Capacity : 10 cu ft. (approximately) (Each Chamber) Chamber Size : Length 540mm, Height 895mm,	

		Width 488mm. Inside Chamber: Stainless Steel Grade 304 of 27 SWG.Rack supporting of 24 SWG Outside Chamber: Mild Steel of 20 SWG Display : 2x 16 characters LCD display with backlit Light levels : Off, 25%,50%,75% &100%. Light 2'- 8 tubes: (4 on each side inside thechamber). No of trays : 8x2 adjustable Aluminium trays with lighting arragement on both sides. Tray size 475mm x 475mm Germination Area: 1.8m² (Each chamber) Humidity : Natural humidity with water inside.Humidity Sensor : Non condensing type. Temperature : PID control 10 C-45 C -+1 C. Sensor :PT-100 Compressor : Hermetically sealed type of standard make. Kirloskar/Copeland Make Evaporator : Finned tubes Eletronics : Microcontroller based, Digital display of temp.Operating voltage : 220V, 50Hz AC-+10%Door Panel : For fitting of all Electronic Circuits & control panel so that Maintenance is easy and control panel is convenient	
51	**Seed/Grain analyzer complete with hardware**	Make – INDOSAW **Software** Calculate the Morphological parameters of seeds Calculate the length(l) and Breadth (b) l/b ratio Determine the broken percentage and grain shape Categories Viz., 'head', 'medium', 'small', 'broken' Develops **graphical statistical analysis** of the seeds in the image. An output file in terms of image containing the information of the user by its signature,	

		name, location, sample number, date and time is generated. **Text output is also simultaneously generated** indicating number of seeds in each category and seed number. **Maintain the database of the seeds dynamically.** **Similarly it also provides the user to develop several user logins to allow various users to use the software at different times and maintains logging information** of the same. The Software has the hardware lock connected at the RS-232 (serial) port of the computing system. **Hardware** A dedicated image acquisition system. Minimum requirement is a flat bed scanner @200 dpi. 1. A Dedicated computing system. 2. Operating system : XP service pack-2 CPU : Pentium-4 processor or equivalent. RAM : 512 MB (atleast 500 MB free hard disc space)	
52	**Wall Mount Air Seed Separators**	Small wall mounted Computerized Vacuum Separator System. This should be small size precision separator that includes: Two upper seed collection cups, Built-in acrylic shelf for the Vibratory Feeder and Feed Hopper. Includes a Seed Collection box. This system should have a built-in Computerized digital keypad controller. This system should have ~ 380 CFM vacuum with locking casters, Capacity: 50 lbs per hour or **23 Kg/h** Should have two modes of operation: permanent continuous feed or small lot batch separation. Total visibility of all product movement. Safety flow relay switch prevents seed contamination	

		Fits into small areas The light, split and broken seeds, chaff and other debris are lifted by air flow up through the column and are separated into 2 as 3 batching compartment	
53	Seed Coating and Pelleting Machine	Universal batchcoater, especially for dressing and coating of small batches, e.g. for breeding purposes or trialseeds. Suitable for all crops and all kind of seed treatments Excellent distribution of treatments, even with low amounts and shortest mixingtimes. Easy and very quick to clean. Equipped with infinite variable speed control by frequency converter: 200 – 850 rpm Discharge of mixing chamber by pneumatic motor. Batch size upto 200g/ 0.25 dm^3 Mixing System: Rotor-Stator-Principle Treatment distribution: By spinning-Disc Power Supply: 240 V, 50 Hz, 300 W Weight: 44 Kg Height: 660 mm Floor Area: 400 x 500 mm	
54	Multi Grain Portable Moisture Meter (MGT)	Make – DICKEY John's Principle : Capacitance, Weighing device, thermistor-temperature sensor. Range : 3-47% (Grain dependent) Repeatability : $\pm$ 0.5% in normal moisture range for stored grains. Analysis : whole seed analysis Memory : 12 crop memory Direct readout : 12 crops direct readout. Chart Mode : For analysis of crops other than the 12 programmed crops. Programming : Yes, Customize the system to your choice. Display : 3 Digit Large LCD display Construction : ABS plastic – Non corrosive; Aluminium Power : 4 "AA" Alkaline batteries.	

		Weights : Automatic sample weighment Temperature : Automatic Temperature Compensation (ATC) Bias : Maybe independtly set by Push-button for each of 12 grains. Weight : 1.23 kgs OR	
55	Compact Universal Digital Data Logging Moisture Meter	Make – Indosaw Commodity calibration of Food Grains, Pulses, Oil seeds & Vegetables seeds Range: 3.5 to 40% Consistency: ± 0.2% Data logging facility to record data upto 200 readings, which includes moisture percentage, temp., commodity code along with date & time. 2x16 character alphanumeric LCD display with membrane keypad Three Hot keys for any three crops. Calibration check and Error Correction & Auto Calibration Averaging & Last reading recall facility **Re-Programming of Factory settings with oven test for all commodities without opening box.** **C-Frame construction** **Body made of mild steel** **Test Cup made of stainless steel** **Test cup shall be visible while giving pressure** It should have Separate code for each commodity. It should have Provision for Temperature display. Recorded data can be transferred to PC through RS 232 port. Measurement principle should be resistance method. Temperature compensation should be Automatic with PT-100 temperature sensor. **Size (LxBxH in cm): 30 x 18 x 27 cm** **Weight: 13.5Kg (approx).** 9V DC adopter for AC main or 6 (R-20 Type) dry cells.	
56	Double Water distillation unit	Make : Jindal (5 L – Cap)	

		Automatically, Electrically heated all glass distillation Apparatus, complete with stand and switch board with cutoff flask Cap – 5 lit.	
57	Autoclave stem sterilizer	Make – LAB – HOSP , SS-304, cap . 52 L Verticle double wall design has single chamber for steam and water, working chamber made of stainless, steel LM 304 grad e of 2 mm thickness, outer cover made of stainless steel with 1 mm thickness. Lid, flange and bottom sheet also made of stainless steel. All joints argon welded joints less silicon gasket with pressure guage. 52 L capacity, 3 KW, working chamber 35 X 55 cm	
58	Papaya peeler	Capacity 100 kg/hr and contact parts in SS-304, provided with inbuilt electrical operated appropriate capacity prime mover.	
59	Papaya Slicer	Capacity 100 kg/hr and contact parts in SS-304, provided with inbuilt electrical operated appropriate capacity prime mover.	
60	Blanching machine / equipment	Capacity maximum 100 kg, consisting of blanching tank made of SS-304 provided with steam heating arrangement inlet outlet valves and mounted on suitable MS stand.	
61	Cup/glass mouth sealer	LUCAS (LE-C.P.S.A.-150) capacity 200 cups/glass per hr.	
62	Aonla Flaker / Breaker	Capacity 250 kg /hr, contact parts SS-304, provided with inbuilt electrical operated appropriate capacity prime mover.	
63	Aonla Shredding machine	Capacity 250 kg/hr, provided with die set for both big and small size aonla, provided with inbuilt electrical operated appropriate capacity prime mover.	
64	Grinder / pulveriser for spices.	capacity 50 kg/hr. Complete unit provided with vibratory feeder, Air swept mill, Ratary air locking system, blower cyclone / dust collecting unit and vibratory sieving machine with sieve change arrangement as per mesh requirement, provided with inbuilt electrical operated appropriate capacity prime movers and electrical panel box .	
65	Vacuum evaporator without stirrer	Made in SS-304, total Volume 250 – 300 Lit, provided with condenser, receiver tank (Without stirrer) and vacuum pump and provided with jacket filled in with thermo-stable oil, gas burner bottom heating arrangement and appropriate temperature and pressure guages.	
66	Air compressor	Single cylinder, 700 RPM, 170 psi maximum tank pressure, Tank capacity 125 - 150 Lit with automatic pressure switch, motor starter, Vbelt guard, pressure guage, safety valve, provided with 2 HP TEXMO make prime mover.	
67	Hydraulic Juice Extractor	All contact parts made in SS -304, Capacity 15 kg. per lot /2 min. Jar size: 1 feet diameter; 1 feet height, provided with inbuilt electrical operated appropriate capacity prime	

		mover (1 hp single phase motor)	
68	Vacuum packaging machine with N_2 flushing	Provision for nitrogen flushing and sealing type pneumatic input voltage 240 V AC, %0 Hz, type of sealing impulse, sealing with 5 mm, sealing length 400 mm, max power consumption 300W, vacuum pump for vacuum 700 mm Hg, displacement-75 lit/min, flushing pressure 10 to 25 psi, air pressure 15-258 psi.	
69	Electronic balance	Capacity 1 mg – 1 kg and 1 kg – 500 kg	
70	MULTIPARAMETER WATER ANALYSIS SYSTEM	Ion Chromatography and Titration system, for analysis of Anions, Cations, Transition Metals, hardness (P & M Values), Carbonate & Bicarbonates, . pH, Total hardness, Chloride, Carbonate, bicarbonate, potassium, sodium, magnesium, calcium, silica, phosphate, sulphate, fluoride, nitrate, boron, arsenic (+3 & +5), Iron, Copper, Manganese, Chromium, Nickel, Zinc, Cadmium, Strontium, Cobalt, Tin, Bismuth and Lead. Serial dual pistons with two inert check valves. Resolution of flow rate: 0.001mL, Pulsation : Lower than 1%, Pressure range: 0 – 5000 PSI, CONDUCTIVITY Detector: **PDA Detector with PCR:** UV-Vis detector of Photo Diode Array type having wavelength range of 190 – 800 nm with choice of selecting minimum four wavelengths at a time of analysis, **PAD Detector (Electrochemical Detector)**Electrochemical Detector with pulse amperometry, dc amperometry and scanning mode with necessary electrodes should be quoted. Hardness Detector, Column Housing: Suppressor :**Injector:**6-Port injector valve with fast response time and controlled through software along with degasser for samples.,**IC Columns :Data Processor :Auto dilution and calibration: Other Accessories: Latest PC with Printer, Solvent and sample filtration unit with vacuum pump should be included.**	
71	Vacuum Oven	Size: 12 x 15″ capacity 26 lt., temperature range 50^{O}C to 200^{0}C with accuracy of $\pm$2^{0}C. Temperature controlled by digital controller fitted with valves and vacuum guage switch and indicating lamps should provided on front panel. Optional accessories PID controller with printer option programmable controller with 8 steps.	
72	Vacuum packaging machine with N_2 flushing	Amar packaging, machine should removes all the air from the pouch before sealing. Giving an air tight seal. Ideal for food items / grains / spices packing. Vacuum chamber size 300 W x 410D x 325 H. all stainless steel 304 vacuum chamber stainless steel. Lid: Transperent acrylic to observe the complete process vacuum pump. By default 100 to 150 lt/ min. sealing bar: 290mm or 320 mm long ½ number. Gas flushing packing cycle: 15-35 seconds . electric consumption : less than 0.5 Kw.	

73	Vacuum dryer	Capacity in trays 6, number of shelves 6, dummy shelf 1, trays per shelf 1	Alhada make Model VTD 6s
74	Chrome meter		Konica Minolta make, Model CR-400/410
75	UPS cum 2 battery inverter	Microtek 1400 VA 2 battery system power safe.	
76	Voltage stabilizer	All range	
77	Le-chatteller Apparatus	BTS-AP12 : It consist of a small split cylinder forming a mould on eighter side of the split cylinder to parallel indicating arms with pointed ends are attached supplied complete with two glass plates and lead weight.	
78	ultra-violet visible spectrophotometer ALPRO- 754	Model ALPRO- 754 Features Plane holographic grating as dispersive element Optical system: auto-collimating optical system T,A,C digital direct display With the function of timely printing, data storage, protection from power off etc. 8 curve equation storage available at any time Auto zero and full scale adjustment and auto eliminating error from cuvette coupling Main specifications Wavelength range: 200nm-800nm Wavelength accuracy: ±2nm Spectral band: 6nm Stray lights: ≤0.6% (220nm) Stability: a light currency 0.5%(T)/3min b dark currency 0.2%(T)/3min Transmittance range: 0.0%-110.0%(T) Absorbance range: 0-3.000(A) Concentration display range: 0.000-9999(C) T-A conversion accuracy: ±0.002(A) Power: 220V±22V 50Hz±1Hz	
79	BOD Incubator – BTSC117	BTSC117 : Inner chamber sizes in mm: w x d x h = 455 x 410 x 610, capacity in cu. Ft. : 4 cu. Ft., Capacity Approx. : 112 ltr., S.S. Camber, CO2 / Air mixer nozzle is provided	
80	COD Reflux Apparatus		

81	Water Testing Kit with PH Total Solid BTS-WT02	BTS-WT02 : 3 ½ digit LCD Display covering PH, Conductivity, TDS, ORP and temperature, Battery cum mains operated, complete accessories, fitted in briefcase	
82	LCD Projector	DLP /LCD technology, All range	
83	LCD projector screen motorized/ non motorized	Standard size	
84	Digital SLR Camera	Digital SLR camera 8-10 MGP, CMOS sensor capture, zoom lenses, LCD monitor screen, 10X magnification, A/V cable, USB 2.0, built in flash, DIGIC II/III processor, memory card 2GB and Camera bag.	
85	Fire Extinguisher	Dry chemical based capacity 5 kg	
86	Air Conditioners (Split)	1,1.5,2.0 ton capacity	
87	Voltage stabilizers	1 to 10 ton capacity (All range)	
88	Water Coolers	All Size & Capacity	
89	Refrigerator		
90	**Stage Level Recorder:**	Make: Hindustan Clock Works. Daily type with horizontal drum for fixing recoding paper and Electronic or mechanical clock driven pen in water tight housing.	
91	**Portable Pigmy Current Meter with direct velocity indicator:**	The indigenous Pigmy type water current meter suitable for determining the velocities of flowing water in shallow streams meeting the requirements of IS: 3910 and supplied duly calibrated from Government. Research Institute. The Pigmy current meter must have Direct Velocity Indicator; which display velocity of water in direct m/sec having memory to record more than 50 readings in its internal memory.	
92	**Digital rain gauge with event data-logger:**	Sensor : Tipping Bucket Rain Gauge having read switch. Resolution and Accuracy : 0.254 mm and within 5% up to 100 mm/hour. Catch Area : 330 cm^2 collector (~205 mm dia). Event-logger Capacity:16000 events (> 2000 mm), Memory/Data Retention : Non-volatile/Over 10 yrs in absence of power, Power Supply : Internal 3V user replaceable lithium Battery, Expected Battery Life : One year	
93	**Digital hand held anemometer**:	for measuring wind velocity.	
94	**Digital Temperature-RH Logger**	Battery operated digital temperature & RH logger to record the values at users selectable time interval in its non-volatile EEPROM and retains data even if battery fails.	

95	**Digital Xerox Machine**	18ppm, MFP(Copy/Local Print) with 250x1 tray capacity & Bypass Tray 80 sheets	
		18ppm, MFP(Copy/Local Print) with 250x1 tray capacity & Bypass Tray 80 sheets	
		Provides N/W interface connection with Color Scan.	
		18ppm, MFP(Copy/Local Print) with 250x1 tray capacity & Bypass Tray 80 sheets	
		Provides Duplex Printing capabilities.	
		20ppm, Copy/Printer/Scan, 1x250 sheet paper cassette, 100 sheet Bypass with	
		Duplex and 10/100 base T Ethernet interface as standard equipment.	
96	**Digital Xerox Machine** (Color)	30ppm (B&W/ Color) zoom 25 to 400%, Standard auto duplex paper capacity 550 x 2	
		2 GB RAM, CPU 1.2 GHz, HDD 80GB, Copy/Scan/Print.	
		20ppm (B&W /Color) , 2GB RAM, Copy/Scan/Print, Duplex Inbuilt,	
		Magnification 24 to 400%, Paper Capacity 250x1 & 100 Sheet multiphase tray.	
97	Pedestal/Trolly - H	Pedestal Trolley for Lower end models	
98	Pedestal/Trolly - L	Pedestal Trolley for Higher end models	
99	Stabilizer	2 KVA stabilizer for copier machine.	
100	Duplex Unit	Provide Duplex printing capabilities.	
101	Network Card	Provides Network interface connection with color scan.	
102	DADF	Feeds upto 100 one or two sided sheets to the image reader for CCD Scanning	
Digital Multifunctional Copier Devices (A4 Size)			
103	Digital multicolor copier device	Copier + Printer + Scanner	
		Copier+ Printer + Scanner + Fax + Duplex	
		Copier + Printer + Scanner + N/W COLOR	
		Copier+ Printer + Scanner + Fax +N/W COLOR	
Multimedia Projector			
104	Multimedia projector	2700 Lumens, 3000 x 1 Contras Ratio,3D Ready, SVGA 800 x 600 Pixcel	
		2500 Lumens, XGA Resolution, 2500 x 1 Contras Ratio, 3D Ready	
		3300 Lumens, 3000 x 1 Contras Ratio, 3D Ready, XGA Resolution	
105	Universal Celling Mount Kit	Standard Accessories	
106	High Gain tripod Screen	Standard Accessories	
107	High Gain wall mounted Screen	Standard Accessories	

108	VGA Cable		
109	Milli Q Direct Water purification System	Resistive: 18.2 M cm at 25°C, TOC < 5ppb, Bacteria <0.1 cfu,/ml, Pyrogens <0.001Eu/ ml, Manual dispense flow rate : adjustetible between 50 and 2000 ml/min, Automatic dispense volume: 100ml, then 250 ml to 5 L by 250 ml increment, Volumetric dispense accuracy: 3% for volumes between 250 ml and 60 ml, Volumetric dispense dispersion: CV<3% for volume between 250 ml and 60 ml, Ion rejection: 97-98% with new RO cartridge, Organic rejection > 99% for MW> 200 dalton, Product flow rate 8L/hr, Dlivery flow rate from tap upto 2.5l/min.	
110	Generator set	Prime power rating 35KVA, Current (Amps) 49, No of phase 3 phase with 0.8 (lag) power factor, 45 BHP, water cooled natural aspiration. 4 cylinder, 1500 RPM, 97x128 (bore x stroke mm), 17.5:1 compression ratio, 3.8 displacement ltr, HSD fule, mechanical governer, 12V electrical stsrting system, battery capacity / rating 120AH/12V, Alternator specification: 415 voltage, 1500/50Hz RPM/ frequency, IP23 encloser,	
111	Wireless intelligent LED display/sign board	Display color: RED, Size: 1520×556mm ,Resolution: 96×128points visual, Dimensions:610×456mm Appearance Style/Color:Deluxe wood+wrought iron +rock/ Red Frame/base material:Deluxe wood Rated voltage: AC110V-220V USBwireless transmitter / RS232transmission	
112	IGIS Software	Software should have Image processing and GIS on same platform. This advanced model contain 3D Modelling, hyper spectral tools,, hydrology tools, maths tools, Faster GIS analysis , Zonal tools, distance tools, GPS tools, spatial analysis faster cateloge, network analysis, neural network classifcation	

"AGREEMENT BOND"

(To be executed on Rs.100/- bond paper)

This agreement made on this_____ day of 2011

BETWEEN

Sh._____ residing at_____

and carrying on business In proprietorship / partnership / Sole Distributor/ Manufacturer /Pvt.Ltd_____ in the firm name and styled of _____

Hereinafter referred to as the supplier (which expression shall unless the context does not so admit includes his heirs, executors and administrators of the last successor and his / its/their permitted assignee) on the one part.

AND

The office of_____ **Dr.PDKV, Akola** for and on behalf of Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola established under the **Maharashtra Agricultural University Act, 1983** hereafter refereed as Dr.PDKV (which expression shall unless the context does not so admit include his successor) of the other party. Whereas, Dr.PDKV Akola invited tender from the intending Sole manufacturers/authorized dealers of manufacturers/authorized suppliers / dealers of overseas for the **supply of equipments and machinery** vide tender No_____ dated _____

AND whereas the Dr.PDKV, Akola had accepted the tender of the supplier_____ including tender notice dated_____ important instruction to the tender dated _____ terms and condition of tender acceptance of tender dated_____ .all of which documents are deemed to form parts of this agreement and are herewith annexed and are included in the expression "contract" wherever use herein.

AND whereas prior to the execution of this agreement the supplier has pursuant to the terms of contract furnished to the Dr.PDKV, Akola. The Security deposit for the due compliance's with the observance and performance by the contract of all the terms and conditions of contract.

AND whereas the parties are desirous of executing an agreement. Now it is hereby agreed as follows:

1. The Dr.PDKV, Akola has agreed to purchase **supply of equipments and machinery** details previously from the supplier and the supplier has agreed to sell from his

store_____in_____ the Distt_____State_____Country_____

2. The supplier has agreed to extent the benefits of discount **at the rate** of _____% **on the published price** list of **the manufactures, which in term** accepted by Dr.PDKV, Akola for getting the supply to the various schemes / Departments / Laboratories / Officers under the administrative control of Dr.PDKV., Akola and situated in the 11 Districts of Vidarbha region in the functional jurisdiction of Dr.PDKV., Akola.
3. In the witness of the below_____ for and on behalf of M/s._____ for and _____ The office of _____ Dr.PDKV, Akola on behalf of Dr.PDKV, Akola and have met their hands hereto the day month and year first above written.

(For Supplier)

Signed and sealed and delivered in the presence of witness

1.

2.

(For Purchasing Authority)

Signed and sealed and delivered in the presence of witness

1.

2.