



बिहार राज्य बीज प्रमाणन एजेन्सी
मीठापुर कृषि परिक्षेत्र परिसर, पटना
☎ :- 0612 - 2354358, E-mail: sca.patna@rediffmail.com
Website : www.bssca.in

पत्रांक- 2936/बी0प्र0, पटना दिनांक- 09/11/2015.

प्रेषक: बैंकटेश नारायण सिंह
निदेशक
बिहार राज्य बीज प्रमाणन एजेन्सी
पटना

सेवा में, निदेशक
सूचना एवं जन सम्पर्क विभाग
पटना

विषय:- प्रमुख दैनिक सामाचार पत्रों में निविदा प्रकाशित कराने के सम्बंध में।

महाशय,

उपर्युक्त विषय के संबंध में सूचित करना है कि बिहार राज्य बीज प्रमाणन एजेन्सी में एक DNA Finger Printing Lab की स्थापना की जानी है। इसके उपकरणों के क्रय हेतु निविदा प्रकाशित किया जाना है। जिसे अंग्रेजी के प्रमुख दैनिक समाचार पत्र में प्रकाशित किया जाय ताकि देश / विदेश की बड़ी बड़ी कम्पनियों निविदा में भाग ले सकें।

निविदा प्रारूप की पांच प्रतियाँ सी0डी0 सहित इस पत्र के साथ संलग्न कर भेजते हुए अनुरोध है कि अंग्रेजी के प्रमुख दैनिक समाचार पत्रों में प्रकाशित कराने की कृपा की जाय।

अनुलग्नक :- सूचना प्रारूप की
5 प्रतियाँ सी0डी0 सहित।

प्रतिलिपि:

ज्ञापांक- 2936/बी0प्र0, पटना
आई0टी0मैनेजर, कृषि विभाग, बिहार, पटना को कृषि विभाग के वेबसाईट पर लोड
करने हेतु प्रेषित।

विश्वासभाजन

निदेशक
बिहार राज्य बीज प्रमाणन एजेन्सी
पटना

दिनांक- 09/11/15

निदेशक
बिहार राज्य बीज प्रमाणन एजेन्सी
पटना



बिहार राज्य बीज प्रमाणन एजेन्सी
मीठापुर कृषि परिक्षेत्र परिसर, पटना
☎ :- 0612 - 2354358, E-mail: sca.patna@rediffmail.com
Website : www.bssca.co.in

Bihar State Seed Certification Agency **Mithapur , Patna – 800001**

Invitation of Tender

Sealed bid of tender is invited only from ISO: 9001 / BIS certified manufacturers or their authorized dealers for the purchase of equipments meant for establishment of DNA Finger Printing Lab at Mithapur Patna Under Bihar State Seed Certification Agency. The bidder should have annual turnover of at least 100 lakh/annum . Reputed firms will be given preference.

2. Bids completed in all respect should reach in the office of Director of Bihar State Seed Certification Agency Mithapur, Patna-800001 latest by 17.00 Hours on 30th Nov 2015 . The Bids will be open in the chamber of the Chairperson of the Purchase Committee at 15.00 hours on 3rd of Dec 2015 . Bidders themselves or their representatives should attend the meeting .

3. The Detailed terms and conditions of the tenders and itemwise number and specification may be obtained on any working day during the office hours from the office of the undersigned and it can also be seen on www.krishi.bih.nic.in & www.bssca.co.in

Director

Bihar State Seed Certification Agency
Patna .

Terms and Conditions

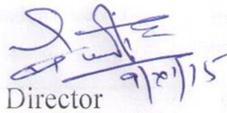
1. Sealed tenders are invited from ISO:9001 / BIS Certified manufacturing companies their authorized dealers only for the purpose of establishing of DNA Finger Printing laboratory Patna at mithapur patna under Bihar State Seed Certification Agency.
2. The tender must be submitted in Technical & Financial bids separately. The Technical Bid & Financial Bid should be in lack- wax sealed cover or envelope separately & put into a bigger envelope super-scribed as "Bid for supply equipments for DNA Finger Printing laboratory" addressed in manner given in Para 27 of the terms & conditions. The name & address of the bidder should also be . Written / printed / on the cover of the envelopes containing Technical & Financial Bids.
3. Technical Bid should contain the proof of specification of the tendered items with brochures , ISO / BIS Registration Certificate. Earnest Money Deposit (EMD) & other supporting papers except price of tendered item.
4. Financial Bid should contain price of the quoted items in the prescribed format dully completed in all respect.
5. Bidders are required to be registered in the Income Tax Department & in the Sales Tax Department of Bihar State .
6. Firms will have to deposit an Earnest Money Deposit (EMD) of 2 lakhs in the shape of crossed DD/FDR / Banker's cheque in favor of Director Bihar State Seed Certification Agency, Patna payable at Patna.
7. Bidders who are registered under DGS & D/State Govt. Purchase Organization /N.S.I.C. for the quoted items are exempted from depositing EMD.
8. Except successful bidder the EMD will be return to the Firms after completion of the office formalities. EMD of successful bidders will be return after the supply order is issued & performance Security Deposit is deposited.
9. As per Bihar Financial Rules, performance Security Deposit (PSD) @ 5% of order Value of the contract will have to made within 7 days on receipt of the supply order to ensure due performance of the contract by the successful bidders , irrespective of registration status as given in para 6 & 7 . The amount

should be deposited with the Director Bihar State Seed Certification Agency.

After depositing the PSD the earnest money will be returned to successful bidder. Performance security deposit will be refunded within 60 days after the supply order is executed or when contract period expires, whichever is later . If the instrument supplied is / are not working satisfactorily during the contract period & the services provided is inadequate , the expenses incurred for repairs of spares will be recovered from PSD or as the case be the full deposit may be forfeited.

- 10.The Offered company/Dealer should have annual turnover of atleast 100 lakh.
- 11.Conditional tender will not be accepted.
- 12.Tender must enclose Technical Brochure in original of the quoted brand items so that required specifications may be confirmed.
- 13.All taxes & duties must be indicated clearly and separately in the Financial Bid.
- 14.In case of any ambiguity & false information found, the tender is liable to be rejected.
- 15.Quoted rates should be in INR & valid up 31-03-2016.
- 16.Quoted equipmentø should carry minimum one year warranty & additional 4(four) years CMC (Comprehensive Maintenance Contract)
- 17.Tender will not accepted after the last date & time.
- 18.Payment will be made only after quality checkup of the product as per specification, proper installation, run and satisfactory demonstration.
- 19.Instructions manual / Technical literature of the equipment which gives salient features of the equipment and operating system should invariably be provided with equipments.
- 20.Bidder will have to arrange training for operation of the instrument / equipments to the concerned technical officials free of cost.
- 21.Price quoted must include all accessories, tool box & spares to the equipments / apparatus etc.
- 22.Successful bidders will have to deliver the items within 30 days of supply order received, unless extended. In case of imported items, bidders are expected to mention at the earliest about the delivery period.
- 23.Final tender will be decided on the basis of quality performance.

24. Bidders are at liberty to withdraw or amend their quotations till the prescribed date and time of the tender.
25. No separate intimation will be given to the bidders regarding attending the meeting of the Tender Opening Committee.
26. In case of delay or failure in supply, order may be cancelled & PSD forfeited.
27. Undersigned reserves the right of acceptance of the tender in part, or rejecting any one or all at any stage without assigning any reason.
28. The Sealed tender complete in all respects will be received at the office of the Director Bihar State Seed Certification Agency, Patna Mithapur Agriculture Farm Patna-800001. latest by 30 Nov 2015
29. Technical tenders will be opened at 11.00 hrs on 3rd Dec-2015 in the office of undersigned.
30. Bidders may remain present in self or through representatives during opening of tenders. Tenders will be opened even if no bidders or their representatives are present.
31. In case of any dispute, the jurisdiction will rest with Patna Courts only.
32. Participating company will have to give product detailing in prebid meeting organized on 23-11-2015 at 4:00 pm in the chamber of Agriculture Production Commissioner, Bihar Patna.


9/12/15

Director

Bihar State Seed Certification Agency
Patna

Annexure-1

Technical Bid

1. Tender no:- Due Date.....
2. Tender Article (Serial No) :
(For Which Bid is submitted)
3. Name and Address of Bidding Firm :
:
4. ISO:9001/BIS Registration No.(Certificate Enclosed) :.....
5. Name and Designation of the person signing the bid :.....
6. Mobile/Land Line Telephone Number :.....
7. Earnest Money Deposit Details :.....
8. CST/VAT Registration Certificate No. :
(Copy Enclosed)
9. PAN Number (Copy Enclosed) :.....
10. Authorized Dealer/ Distributor) :
(Copy of certificate issued by manufacturing company enclosed)
11. Audited Annual last Turnover :.....
12. Year-wise amount of supply order of similar :
Items executed in last three year(copy of supply order/invoices
Enclosed for each package quoted)
13. Terms and condition of contract mentioned in the invitation bid are:.....
ACCEPTABLE/Not- ACCEPTABLE
14. Deviation in Terms & Conditions/Specification :.....
- 15 Capacity in which bid is signed by the Bidder(PROPERITER/
PARTNER/ DIRECTOR) :.....
16. Detail for each quoted item:-

Sl. No	Detail of Item			Specification required	Actual Specification of the Product	Remark
	Name of Item	Model/Make No	Brand Name			
1	2	3	4	5	6	7
1						
2						

Place.....

Date.....

Signature of Bidder

Name & Add. In Block Letter

**Annexure- II
Financial Bid**

1. Tender No. : Due Date.....
2. Serial Number & tendered article
(For Which Bid is submitted)
3. Name and Address of Bidder :
4. Name and Designation of the person signing the bid:.....
5. Capacity bidder (Proprietor/Partner/Director) :.....
6. Financial Detail for each quoted item:

Sl. No	Detail of Item					Quoted Price & Taxes					Remark
	Sl.No	Name of Item	Model/Make No	Brand Name	Price of Item	CST	BST/Vat	Other/Taxes	Total/Taxes(8+9+10)	Price Inclusive all Taxes(7+11)	
1	2	3	4	5	6	7	8	9	10	11	12
1											
2											
3											
4											

Signature of Bidder

Name & Add. In Block Letters

.....
.....

Place.....

Date.....

Annexure - III



बिहार राज्य बीज प्रमाणन एजेन्सी

मीठापुर कृषि परिक्षेत्र परिसर, पटना

☎ :- 0612 - 6531896, E-mail: sca.patna@rediffmail.com

Website : www.bssca.in

S.no.	Name of Equipment	No Required	Specification of Equipment
1	DNA Electrophoresis system with power supply	1	A single moulded leak proof horizontal electrophoresis system should be able to run the gel size of 15 x 25 cm or above gel platform with safety lid., U.V. transparent gel running tray with integrated fluorescent ruler, 1.5 -2.0 mm thickness, 20- 30 well fixed height combs, sample throughput 60, The power supply should be capable to operate four electrophoresis units simultaneously for identical runs with LED display. Output range Voltage:10-300V, Current: 4-400mA ,Power: 75W with timer. Pause resume function must be there. 4 recessed sets in parallel and Auto power up after failure No load detection, sudden load change detection, short circuit detection. A system should have the option for adjustable height combs with comb holders. And Migration rate of Bromophenol Blue dye should be similar to 4.5cm/hr (at 75 V)
2	Gel Documentation Unit with UV Transilluminator	1	System should designed to meet the requirements of the most demanding fluorescent and colorimetric applications. It should be integrates the latest developments in camera and lens technology for imaging with a wide dynamic range and fast image acquisition speeds. The system is controlled by easy-to-use and intuitive Vision-Capt software which performs image analysis and archiving and can also prepare images for desktop publishing. Gel Doc complete stand-alone system with fantastic ease of use & ease to clean. No PC is required. The system should be combines a highly sensitive CCD camera, can take sample size 28 x 36 cm., a USB key media drive, network capability and 12 or 16-bit imaging. Image acquisition should be enhance with a display of the image dynamic and an automatic pixel saturation warning. which ensure optimum quality of the final image which can then be instantly printed or saved for analysis. The control elements and the large, bright and easy to read display should be integrated into the cabinet. It should be a lot of precious and lab space can be saved. Moreover a fully slideout UV transilluminator on stable pull-out rails should be

			<p>incorporated in the system for comfortable work. high-resolution images of DNA, RNA or protein gels are created within a few seconds. The images can either be printed out directly or saved in the internal storage. Transfer of the data to a PC is possible in different ways, if necessary system should be compatible with several digital printing options that generate high resolution images by a single push of a button. Inkjet or thermal printer can be connected to the system for inexpensive laboratory notebook printouts.</p> <p>Camera / sensor specification: System should be equipped with the CCD Camera, with the below specification:</p> <ul style="list-style-type: none"> - Scientific grade CCD camera - Grade 0, zero defect - Image resolution: at least 4 megapixels - Native resolution: 1600(H)x1200(V) - Sony chip and processor - Passive cooling - HAD technology - USB connection - 12 or 16-bit - 65 536 grey levels - Progressive scan ó low dark current - Continuous variable shutter speed - High sensitivity for fluorescence detection - Live or exposure time modes Binning options <p>Software : System should be an unrivalled ease of use. The image acquisition process is as quick as intuitive: adjustable The system should be ergonomically designed with a simple and easy-to-clean keyboard. There should be capability for Connect System to network, downloading images ect.</p>
3	ELISA Reader	1	<p>8-channel optical fibers system, Flexible configurations with ability to read flat-, U-, or V-bottom microplates or 8- or 12-well strip plates, Plate shaking, speed and time adjustable, Data and protocol presentation on LCD display with PC software which can achieve multiple tests in the single plate having a range of test and calculation methods, Onboard data storage of protocols, standard curves, and graphs, Self-diagnostic capabilities to detect lamp burnout at startup, Motorized door for plate loading, Suitable branded data process Wavelength range 400nm to 750nm, Photometric range 0.063.5 OD, Resolution upto 0.001 OD, with range of temperature, humidity 10°Cô 60°C, 80% -95% working as well as storage ability. High-Throughput Analysis and Reporting, Running of 12 separate assays on the same plate. Should have Automatic calibration before each reading, Variable-speed plate-shaking capability</p>
4	PCR machine / Thermo Cycler	1	Universal Block for 96 x 0.2ml PCR Tube, One

			<p>8x12 PCR plate</p> <p>Heating and cooling via peltier technology. Patented Triple Circuit Technology, ensures precise control of temperature</p> <p>Temperature control range: from 4 °C to 99°C</p> <p>Temperature Control Mode: Fast, Standard and Safe</p> <p>Lid Temperature range: 37 - 110 °C</p> <p>Block Temperature Accuracy: $\pm 0.2^{\circ}\text{C}$</p> <p>Block Homogeneity: 20° C to 72° C: $\pm 0.3^{\circ}\text{C}$, 95° C: $\pm 0.4^{\circ}\text{C}$</p> <p>Temperature control speed: approx. 3 °C/s (heating)</p> <p>Temperature control speed: approx. 2 °C/s (cooling)</p> <p>Lid descent and closing pressure - Flexlid technology with Thermal sample Protection</p> <p>Intuitive Graphic programming with larger display</p> <p>Administrator and user login with or without PIN for enhanced security.</p> <p>It should have Preprogrammed template for easy selection from 16 temperature protocols viz. 2 step PCR, 3 Step PCR, Long Range PCR, Low volume PCR, RT, RT-PCR, Incubation, Cycle sequencing, Touch down PCR, Hot Start PCR, Hot Start PCR manual, Large volume PCR, Nested cycles, reduced ramping, simulate Mastercycler, None.</p> <p>Having Adjustable ramp rate from 0.1° C to 3.0° C to meet critical amplification conditions</p> <p>Customized programming allows a maximum of 20 steps and 99 cycles, it should have Auto Restart facility with user defined time interval when power fails and resumes, Instrument status indicates the step, cycle and remaining runtime during the run</p> <p>Runtime display shows remaining time in larger font for better view from distance.</p> <p>System memory of more than 100 User folders and more than 700 programs</p> <p>System should have USB ports: for Protocol transfer, Self-test, USB, printer / mouse</p> <p>Log book function for error messages and new calibration , E-mail Notification</p> <p>Power save Standby function</p> <p>Having Option to connect up to TWO Mastercycler nexus eco for ultimate throughput</p> <p>Optional Self-test dongle to check functionality of all 6 peltier elements</p> <p>Interface: Ethernet, CAN in, CAN out</p> <p>Power supply: 230 V, 50-60 Hz</p> <p>Power consumption: 700 W</p> <p>Should have Calibration according to NIST (USA), DKD/PTB (Germany) UKAS/NPL (UK), UL/CUL listed</p> <p>At least Two year warranty</p>
5	Table Top Refrigerated Centrifuge	1	Refrigerated Micro Centrifuge for 1.5ml / 2.0ml / 5.0ml tubes, Maximum Speed of 27000 xg /17000

			<p>rpm or above, with a brushless motor, Maximum rotor capacity of at least 24 x 1.5/2mL tubes</p> <p>Temperature range should be from -11°C to 40°C, should be able to maintain 4°C at maximum speed</p> <p>Instrument should be supplied with a aerosol tight high speed rotor to accommodate 24 x 1.5ml/2ml tubes , speed of 27000 x g or above</p> <p>Instrument should be supplied with a dedicated aerosol tight rotor for 5ml conical tubes, speed of 21,191 x g. 5ml conical tubes should also should be supplied</p> <p>Rotor should be made of aluminum, rotor and rotor lid should be autoclavable.</p> <p>Aerosol tightness of rotor should be certified by a third party agency, Instrument should have an in-built condensate drain to prevent water accumulation</p> <p>It should be possible to perform a fast pre-cooling of the instrument using a dedicated Fast Temp function</p> <p>It should be possible to program fast cooling with preset date and time</p> <p>50 programs storage memory with 5 quick access program keys should be available</p> <p>Speed setting should be possible in both rpm and rcf</p> <p>Should possess a separate short spin key for brief spin</p> <p>It should be possible to program compressor shut off after 8 hrs of non usage of the centrifuge.</p> <p>Should have the flexibility to accommodate rotors for different formats of tubes starting from 0.2ml PCR tubes up to spin column tubes</p> <p>Instrument should have the possibility to use 15/50ml Conical tubes and Micro titer plates with dedicated rotor</p> <p>Instrument should have automatic rotor recognition facility to automatically recognize and set maximum speeds upon rotor change</p> <p>Rotor lids should have a Quick Lock-system for secure lid closing and opening</p> <p>It should be possible to perform gentle acceleration and deceleration using dedicated key</p> <p>Noise levels should be 56 db(A)</p> <p>Should have an òat set rpmö function which enables timer countdown to be started only after the set speed is reached</p> <p>Instrument should be CE Certified</p>
6	Micro centrifuge	1	<p>Table top Micro centrifuge with 12 place rotor</p> <p>Compact centrifuge with extremely small footprint</p> <p>Instrument should be capable to accommodate 12 x 1.5/2ml tubes, The maximum speed should be 13500 rpm and above, Rotor and rotor lids should be made of aluminium, Rotors and rotor lids should be autoclavable , There should be a dedicated soft spin key for brief spin, The lid should automatically open at the end of the run,</p>

			Should have the possibility to add a rotor for PCR strips, Should have very minimal acceleration and deceleration times, Noise levels should be < 56dB, Instrument should possess CE certification.
7	Multipurpose Digital Shaker/Orbital Shaker	1	<p>Shaker Incubator for tubes and plates, System should be able to provide peltier driven heating, cooling and mixing</p> <p>Temperature range: 15° below ambient to 100°C, with minimum setting of 1°C</p> <p>Mixing frequency: 300-3000rpm</p> <p>Incubation accuracy: ±0.5°C above ambient temperature</p> <p>Instrument should be specifically designed to take care of cross contamination, by making sure spillage or lid wetting does not happen even at very low volumes</p> <p>Instrument should have the flexibility to accommodate various tube formats from 0.5ml ó 50ml tubes</p> <p>Instrument should be supplied with a block for 1.5ml micro centrifuge tubes</p> <p>It should also be possible to use various formats of plates like Microtiter plates, deepwell plates, ELISA plates, PCR 96 plates and PCR 384 plates</p> <p>Block exchange should be very simple and easy without using tools</p> <p>Blocks should have sensors and should be block specific calibrated</p> <p>A heated top should be optionally available to prevent condensation on the lid or walls of the tube.</p> <p>Instrument should be able to recognize the blocks automatically and their respective speed and temperature.</p> <p>Programming facility with interval mixing should be possible, should be able to store 20 programs with four steps each</p> <p>Soft keys for easy access to program parameters should be present</p> <p>System should be stable on work bench even at the maximum speed with minimum noise levels</p> <p>Instrument must have CE Certification</p>
8	Water Bath	1	Temp. Control Range Room temperature +5 to 100 °C Thermostatic control with an accuracy of ±0.5°C. Double walled inside Stainless steel and outside Mild steel sheet painted in epoxy powder coating, should work on 220/230 volts AC. (when outside cooling equipment is used: -19.9 to 50 °C), Bath material Capacity should be approx. 20 Lit.
9	Test Tube Rotator	1	24 sample tubes Rotator (1.5, 2 ml) RPM: 50, Timer: 0-99 Hrs/1-59 min, Tube diameter 10-30 mm. Rotational plate should be adjustable from vertical to horizontal
10	Heating Blocks	1	Digital dry block heater with heated lid. 2 block capacity 230V with independent LED displays for temperature & time. PID temperature control with user calibration mode. Each heater accepts

			separate interchangeable modular heating blocks, which accommodate various sample enclosures such as micro tubes, centrifuge tubes, vials, micro plates, and PCR strips or tubes.
11	Water Purification / Double distillation system	1	To supply pyrogen-free distill water, Distillate temp. upto 75 ⁰ C , out put capacity 2.5 lit./hr., minimum cooling water requirement 2 lit/minute, with all required accessories
12	Refrigerators (700 Ltrs Approx.)	1	Double door, frost free, Ecofriendly Refrigerant with Smart Inverter Compressor.
13	Analytical Balance	1	Digital, Fully Automatic Calibration with internal weight. The Balance should have permanent shock and overload protection. Windshield, Piece Counting, Percent Weighing, Dynamic Weighing, Different weighing unit, checking weighing, Statistics, Formulation, Totaling, Free factor & recall. Capacity: 220 g, Readability: 0.1 mg, Repeatability: 0.1 mg, Linearity: ± 0.2 mg, Weighing Pan Size: 90 mm, Tare Facility: 0-220 gm. Power Supply: Both with A/C adopter & built in battery.
14	Biotechnological Plastic wares and Glassware	1	Safelock Tube with graduation (1.5ml, 2ml), PCR Tube with caps (0.2 ml x 8) g-safe®: exceptional centrifugation stability 20000 × g and above , should be Autoclavable Etched lid for additional writing surface Tight sealing and easy to open For use with all thermal cyclers with 0.2 mL block format Certified free from human DNA, DNase, RNase and PCR inhibitor Tip size 10 micro lit to 5000 micro lit., water bottle, hand gloves purple colour, PCR mini cooler (cap. 96 tubes, Keeps an entire 96-well PCR plate cold for more than an hour at 0 °C (with two hour precooling at -20 °C), Features temperature indication: Color of the PCR cooler changes when temperature exceeds 7 °C (violet or dark blue when ice cold, pink or light blue or other, when above 7 °C)), -20 °C mini cooler micro tube Rack/stands, PCR tube rack (One-piece design: combining a polycarbonate frame and polypropylene wells for optimum performance, Extremely thin-walled polypropylene wells guarantee optimum heat transfer to the sample, should be have Exceptionally solid and torque-resistant polycarbonate frame, Raised well rims for effective sealing, also reduces the risk of cross contamination, should be Autoclavable (121 °C, 20 min), 96- and 384-well formats), float rack (places 24-48), reversible rack (96, 120, 216 places), test tube stand, Conical Flask, bottle, beaker difference size 50, 250, 500, 1000 ml., jar, measuring cylinder.
15	6 KV UPS with Batteries	1	Double Conversion IGBT based True Online UPS System with Transformer, Backup time upto 1 hr. (full load) for non-redundant system which has

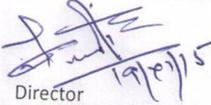
			equal number of battery strings and power modules.
16	Autoclave	1	Double walled construction with boiler made of 304 Qlty Stainless steel 16 gauge sheet. Outer shell is made of Mild sheet. Boiler & outer shell is provided with air insulation. Sterilizing Temperature up to 134°C , Stainless Steel steam jacket,, Inner Dimensions should be approx. 550 x 850 mm, Capacity 50 ltrs, Operating range from 10psi to 30 psi pressure. Immersion type heating element heats the water & steam to desire temperature & pressure are attained. When the Autoclave will be dry it will cut-off automatically.
17	Computer & Laser Printer	1	Windows 8 operating system (64bit), 3.2 Ghz Intel Core i5- processor, 8GB DDR3 RAM, 1Tb hard drive, with LED Display 20 inches size. Software requirement as per need. Lasser printer - suitable for printing, scanning, fax files, with Bluetooth Pages per minute: upto 20 B/W 20 Colour, Paper capacity: Std 600 Max 2000 sheets, Full colour network scanning, 7.0" colour LCD touch-screen facilitates easy operation of key functions, Robust multi-layer security solutions for ultimate data/document protection, Remote Access Interface for easier support. It should applicable with TIFF, PDF, Encrypted PDF, JPEG (colour only), XPS file formats
18	Fluorimeter	1	With LED display, should Covers entire visible range, Wavelength scale should be range 220-900nm., accuracy atleast $\pm 1.5\text{nm.}$, slewing speed About 20,000nm/min., Excitation and emission monochromators should Concave, blazed holographic grating, F/2.5, 1300 grooves/mm.
19	Deep Freezer SS Cryo Racks (6 80 °C)	1	Capacity : 101 L Temp Range : -Programmable to 686°C in 1°C increments, even at ambient temperature up to 32°C Control : Micro Processor control of temperature and alarms with non-volatile memory Circulation: Requires just one fan for reduced power consumption and noise. Cascade Refrigeration: Hermetically-sealed two stage cascade system with having capacity to cope in high-ambient conditions Unique 4 Digit password: For temperature set point & alarms prevents unauthorized changes Insulation: VIP: should be contain Ultra thin Vacuum insulation Panels with NANOGEL encapsulated between a metallic polymer film barrier, bonded to foamed in place polyurethane foam; 3.15", 80mm thick Door Latch: Molded handle with built in removable lock. Compartments & Shelving: Two compartments with one fixed shelf should be available Inner Doors: Two inner doors available Certification: CE & UL certified

20	Fumehood	1	Energy-efficient high-performance hood, Vertical sash type, at least 60 to 100 FPM Hood Face Velocity, Required Airflow 700 to 1000 CFM, it should be Chemical resistant composite liner and dry powder epoxy coated steel exterior.
21	Furnishing of the Lab	1	With quality fitting & accessories (Complete job)
22	Hot Air Oven	1	Temperature up to 250° C ±1° C. Thermostatically controlled. Double walled. Inside Stainless steel & outside Mild steel sheet painted in epoxy powder coating. The door should have synthetic rubber gasket. With perforated adjustable metal shelves. Workable on 220 / 230 volts A.C. With air circulating fan & Digital Temperature controller cum indicator. Size: 455x455x455 mm.
23	Digital Hot plate cum magnetic stirrer	1	Digital, Ceramic plate (18 x 18 cm), heating temp range up to 500 °C, max. load cap. 5kg., 100-1200 rpm, stirring capacity 5 lit.
24	Liquid nitrogen can	1	Capacity at least 5 lit.
25	Microwave oven	1	Microwave with convection and auto cook menu (display), feather touch, Temp range 150 °C, Vol. capacity should be at least 30 lit.
26	Mortar and pestle	48	Autoclavable, Marble, rock stone, useful for grinding leaves/grains Mortar - diameter at least 4.50 inch. Pestle - length 5, diameter-1.5 inches.
27	pH meter	1	pH range 0.00 to 14.00 pH, Resolution & Accuracy 0.01 & ±0.01 pH, Auto-Buffer Recognition, Automatic Temperature Compensation (0 to 100 °C), Meter should have features HOLD, ATC, selectable °F or °C measurement, recall of electrode slope and offset, and electrode diagnostics. The convenient pull-out quick reference card keeps procedures handy at all times. Meter accepts any pH or ORP electrodes with a BNC connector Expanded Memory stores and recalls up to 50 data sets.
28	Micropipette/ Pipetteman		Micropipette, Adjustable volume, fully autoclavable Spring Loaded Tip Cone for connecting tips very tightly, Adjustment opening for adjusting pipettes to a specific liquid and volume. Control Button with very low operating force, Color indication for pipette volume. Tip ejector with very low operating force, positioned for perfect ergonomics. Volume Display: 4 Digits with magnifier. To provide thermal, mechanical and chemical stability piston should be manufactured from Fortron material Very easy to remove lower part for cleaning pipette They should be Fully Autoclavable No discoloration upon UV irradiation Having at least 3 Years Warranty Volume range 0.5 to 10 µl, 10 to 100 µl, 100 to 1,000 µl, 2-20 µl, 20-200 µl, (with appropriate TIPS with autoclavable TIPS box)

29	Spectrophotometer	1	<p>System should be compatible for rapid and reliable quantification of Nucleic acids, proteins, and bacterial density.</p> <p>System should be flexible to handle disposable and/or standard cuvettes for sample volumes ranging from 50 µL to 3 mL.</p> <p>Stand-alone system with integrated display is preferred.</p> <p>Data transfer and analysis should be possible without any additional software.</p> <p>System should have pre-programmed quantification methods for dsDNA, ssDNA, Oligo, RNA, Protein (A280), Bradford, Bradford micro, BCA, BCA micro, Lowry & Lowry micro, & Bacterial density measurements.</p> <p>System should have integrated calculations for total yield, molar concentration & molecular mass</p> <p>System should provide different modes for analysis based on factor, standard or standard series with flexibility for curve fit analysis like regressions (linear, cubic & quadratic) and interpolations (linear & spline).</p> <p>At least there should be 100 installations of BioPhotometers.</p> <p>Measuring principle: Absorption single-beam photometer with reference beam</p> <p>Light source: Xenon flash lamp</p> <p>Receiver: CMOS Photodiode array</p> <p>Guided software sequence to minimize errors</p> <p>Direct operation on the device and no PC required</p> <p>Measuring results (>1,000) can be saved directly on the device, should have 100 method programs in memory</p> <p>Spectral band width: < 4 nm</p> <p>Photometric measuring range: 0 A to 3.0 A at 260 nm</p> <p>Random error: ± 0.5 nm</p> <p>Systematic error: ± 1 nm</p> <p>Display: VGA TFT-Display approx. 5.7"</p> <p>Cuvette shaft should be 12.5 mm x 12.5 mm to accommodate conventional quartz cuvette (UV range); Glass / plastic cuvettes (visible range) and micro-volume cuvette.</p> <p>At least One-year warranty</p>
30	Flash Gel System	1	<p>Equipped with a LED-excited fluorescence detector, High-sensitivity detection without the use of ethidium bromide High-speed automatic operation for up to 108 analyses, processing speed should be Approx. 80 seconds/analysis</p>
31	Real Time qPCR with Accessories	1	<p>Block format upto 96 well, sample volume upto 05 to 50 µl, which should have at least >5°C/sec heating rate, 5°C/sec cooling rate, Temperature range upto 0 to 100°C and ±0.2°C Temperature accuracy and uniformity, Ramping Rate 5 °C per sec, Analysis of multiple experiments from a single plate should be possible, detection range upto 400 to 730 nm, LEDs Excitation range 475 to</p>

			640 nm, Detection of FIVE different fluorescent reporters in the same tube with Windows XP, Windows 7 Operating systems, Software should have express load feature which allows entry of data after experiment.
32	Nano Drop	1	<p>UV/VIS Spectrophotometer for measuring volumes from 1.5 μL to 4.5 mL</p> <p>Spectrometer to perform UV/Vis spectrometric and scan applications allowing quantification of sample volumes from 1.5 μL to 4.5 mL</p> <p>System should have preprogrammed methods for rapid and reliable analysis of Nucleic acids and proteins, OD600, dye methods (parallel measurement of biomolecule and dye label), FOI (frequency of incorporation) calculation.</p> <p>Should allow measuring and recording of UV/Vis spectral wavelengths from 200 to 830 nm, with smallest increment of 1 nm</p> <p>Should allow extinction measurement for one or several wavelengths</p> <p>Recording of wavelength scans should be possible with Integrated data processing</p> <p>Should have in-built methods with analysis via factor, standard or standard series</p> <p>Should allow performing Dual-wavelength method with subtraction and division analysis</p> <p>Should have data evaluation methods for concentration via standard series (Regression: linear, cubical, Quadratic) and (Interpolations: linear and Spline)</p> <p>Should have SpectraZoom® technology to analyze and process curve sections in detail view directly on the instrument display and for peak detection</p> <p>Should have the combination of Absorption single-beam spectrophotometer with reference beam as measuring principle with Xenon flash lamp as light source and beam receiver as CMOS photodiode array</p> <p>Should allow direct operation on the device and must not require PC to operate</p> <p>Data transfer of measured data to a PC by connecting the device directly to a PC should be possible without any additional software or should be through USB stick</p> <p>Should have facility for saving > 1,000 measured results and > 100 new methods in the instrument directly</p> <p>1000 Nos. of disposable cuvettes should be supplied</p>
33	Ice Flake Machine	1	<p>Should Delivers pure ice. antimicrobial protection against mold, mildew and fungus</p> <p>Large bin door for easy access Should produces</p>

			perfect ice cubes or flakes Stainless steel body and reentering door which assures an easier accessibility to ice, Stainless steel cabinet properly insulated, Minimum 20 kg bin capacity, More than 30 kg/day production, Safety protection from water supply, Should come with at least 5 years warranty.
34	Gel Drier	1	Should have Drying surface 45 x 45 cm, Operating temperature range 05-35°C, Gel capacity large (25 x 25 cm) gel, Fluid capacity 1 L when primed, 4 L total, Flow rate 60 Hz, ≥28 L/min; 50 Hz, ≥21 L/min and Gel support plate should be Porous polypropylene, with 120 μm average pore size
35	Vertex Mixer / Shaker	1	Vortex Mixer for tubes and plates mixer to perform mixing of tubes (0.2ml, 0.5ml, 1.5ml, 2ml), plates (96 and 384 well SBS standard MTP, DWP and PCR Plates) , and vortexing Mixing speed ranging from 300-3000rpm Vortex mixing in touch and continuous modes, having variable speed control, includes one hand insert, micro tube insert and cup attachment.
36	Renovation of Lab to minimize the utilization of existing facilities.	1	16x20 ft. room size to be renovated for descent look , comfort & more efficient laboratory works.
37	Deep freezer (-20 °C)	1	Double door, 700 litres capacity, Robust construction for heavy duty use temp. at least -20°C, 1750 x 650 x 1050 mm (Approx.) with inner space.
38	Ice Bucket		Excellent insulating properties, suitable for use with liquid N ₂ , dry ice and acetone, capacity 3-5 lit.
39	Air Conditioner	1	Split AC with cap. 2 tonnes, with Remote Control, Anti Dust Filter, High EER Rotary, Air circulation (In) upto 950 CMH.
40	Pipette Stand	1	Vertical pippets handling stand with 5-10 pippets.
41	Inverter 1 KVA	1	Back-up at least Two hours


19/11/15

Director

Bihar State Seed Certification Agency
Patna

Annexure- IV

BIDDER'S INFORMATION SHEET

(General information to be supplied along with the Tender)

Sl. No	PARTICULARS	DESCRIPTION
1.	Tender No. Due Date of submission	
2.	Name and Address of Bidding Firm	
3.	Ernest Money Deposit(EMD) Details No.. Date & Bank	
4.	ISO/BIS Certification no. of the manufacture/ Imparting firm(enclose certificate)	
5	Authorized Dealer/ Distributor (Copy of certificate issued by manufacturing company enclosed)	
6.	Name and Designation of the person signing the bid	
7.	Mobile/Land Line Telephone Number	
8.	CST/VAT Registration Certificate No. (Copy Enclosed)	
9.	PAN Number (Copy Enclosed)	
10.	Name & Address of nearest service centre available	
11.	Audited Annual last three years Turnover(photocopy enclosed).	
12.	Term & Condition of the Tender (ACCEPTABLE/NOT- ACCEPTABLE)	
13.	Capicity in which bid is signed by the bidder(PROPERITER/ PARTNER/ DIRECTOR)	

Details of quoted items:-

It is certified that the information furnished in these bids are true & correct to best of my knowledge & belief.

I further declare that our company/ Firm is not black listed by the union or any state Govt. I/We Abide by the terms, conditions & prevalent rules, regulation.

Signature of Authorized Signature

Name.....

Designation.....

Seal.....

Dated.....

Annexure-V

DETAILS OF EARNEST MONEY

Earnest money as per detail below is enclosed for the purpose of bid for SUPPLY of instruments & equipments for establishing a seed testing Laboratory at Patna.

Bank draft/banker's Cheque /FDR

NO.....

Name Of Bank.....

Branch.....

Date.....

Amount (In number & words).....

Signature of Authorized Signature

Name

Designation

Seal

Dated.....

Annexure-VI

AUTHORITY LETTER

(Letter head of the bidder)

M/S.....
.....
.....
.....

.....(Name & address with telephone no. of dealer) is working with/on behalf of our company as our authorized representative/dealer for the state of Bihar.

He is authorized to submit, collect & correct all tender/ quotation/project documents on behalf of the company.

Signature of Authorized Signatory

Name

Designation

Seal

Dated.....

ANNEXURE – VII

DECLARATION
(To be submitted)

ON RS. 100/- NON JUDICIAL STAMP PAPER

1. I have read and understood the Terms and Conditions of tender Notice dated _____ . And I have submitted the Technical Quotation & Price Quotation in accordance with the Terms and Conditions. I shall not sell the products being quoted through this tender , at a lower price either to Government / Private in the State of Bihar by way of giving any additional trade discount or incentives. If such incident is noticed, the Bihar State Seed Certification Agency can restrict all payments to such a lower rate apart from initiating penal action.
2. The information furnished in the technical quotation & price quotation is true and factual and I clearly understand that out offer is liable for rejection , if any information furnished is found not true and factual, at any point of time.
3. The equipment offered / supplied by us is not copied / duplicated from other product / design. In case, the agency authorities find at any time that our products are imitation / duplication, we are liable for legal action and we will pay the damages to the firm who claim right over the product by filing legal case, on award. The Agency is also at liberty to take legal action apart from black listing our firm and forfeiture of EMD / Performance deposit amount.
4. I declare that I do not imitate / violate any patent / trade mark rights of any similar nature of manufacturer.

PLACE
DATE

SIGNATURE OF THE OFFERER
WITH SEAL