

स्टेट ट्रेडिंग कार्पोरेशन ऑफ इण्डिया लिमिटेड  
(भारत सरकार का एक उपक्रम)  
जवाहर व्यापार भवन, टॉलस्टॉय मार्ग, नई दिल्ली - ११० ००१  
वेबसाइट: [www.stc.gov.in](http://www.stc.gov.in), ई-मेल: [co@stc.gov.in](mailto:co@stc.gov.in)  
दूरभाष: २३३१३१७७ फ़ैक्स: 23710298, 23701136, 23462337  
सामान्य आयात प्रभाग- (छठी मंजिल एनेक्सी )  
निविदा संख्या : एस टी सी/जी आई डी/397/२०१०-११  
दिनांक: 23.04.2010.

THE STATE TRADING CORPORATION OF INDIA LTD.  
(A GOVT. OF INDIA ENTERPRISE)  
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GENERAL IMPORTS DIVISION  
(6<sup>TH</sup> FLOOR ANNEXIE)  
**TENDER NO.STC/GID/397/2010-11 dated 23<sup>RD</sup> APRIL,2010**

हमारी नीचे उल्लेखित मदों के आयात हेतु हमारे कुछ अंतिम प्रयोक्ता उपभोक्ता की ओर से एक सुदृढ़ इन्क्वायरी है  
We have a firm enquiry for import/supply of the below mentioned item(s) from some of our end user customers :-

**ITEMWISE DETAILED SPECIFICATIONS:**

**ITEM No. 1**  
**AUTOMATED DNA SEQUENCER WITH ACCESSORIES**

1.	General Specifications	Fluorescence based 4 capillary ( should be upgradable to 16 capillary system ). The System should be based on proven technology of capillary electrophoresis Genetic analysis system validated for use in Forensic applications. The system should have all hardware and software needed to operate and analyze Data on DNA Sequencing and genotyping.
2.	Capillary Electrophoresis technology	Capillaries should be uncoated internally with New Generation of Polymer optimized for its performance for medium to high through put DNA Sequencing and fragment analysis equirements. .Should have choice of Capillaries with different length and choice of polymer for variety of applications in the system should be also

		capable of 1 Polymer one array for both sequencing as well as fragment analysis applications with easy switch over between the runs even on the sample plate.
3.	Separation Matrix	The Instruments should be able to use appropriate flowable and performance optimized polymers as the separation matrix so that before each run, the capillaries should be automatically be replenished with fresh polymers that dynamically coats capillary wall to eliminate electr-osmotic flow.
4.	Auto Sampler Plate Kits	Fully Integrated with both 96 and 384 well sample plates, Providing continuous, unattended operation for every phase of the process, including polymer loading by means of automated polymer delivery system, Sample Injection, Separation, Detection and Data analysis for a true automation.
5.	Detection Technology	By using virtual Filters and Peltier cooled charged coupled device (CCD) Camera. The excitation of all fluorescent dyes should be by a single laser, Preferably the Argon Ion laser. The Instrument should be Capable of detecting minimum 5 fluorescent dyes and readily accommodate new dyes sets and applications as they become available without requiring Changes in the optical hardware.. Instrument should perform primary excitement of ready to sequence samples at 488 nm and 514.5 nm using a fixed laser.
7.	Minimum Computer requirement	Hardware : Pentium IV Processor, 2.00 GHz Processor Operating system : Windows XP Professional Edition Installed RAM : 4 GB. Hard Disk storage : Dual 360 GB Hard Drives . Peripheral : dvd/CD/RW
8.	Applications	. Run Conditions must be optimized for Several applications, such as De novo or comparative sequencing , fragment analysis applications . The system should be a multi application platform supplied with Gene Mapper ID X ver. 1.1 Software validated for use in Forensic Applications. Software should have expert functionality and built in tools for mixture analysis. System should be validated as per SWGDAM

		<p>and DAB guidelines for use in forensic applications and compatible with validated STR kits used in forensic analysis.</p> <p>. Suitable Software validated for forensic applications such as identification of genotype quality, predefined analysis settings for STR analysis, CODIS compatible reporting for easy uploading of data to database .</p> <p>A full compliment of chemistry kits, softwares and accessory products should be available from the vendor.</p>
9.	Reagents and consumables	<p>Reagents and consumables, STR kits viz Identifier, Y-filer, Minifiler, Prepfilier and Quantifiler kit for 200 samples including</p> <p>Following items should be provided :-</p> <ul style="list-style-type: none"> <li>. BDT</li> <li>. Polymer</li> <li>. Buffer</li> <li>. Hi-Di Formamide</li> <li>. Capillary Array</li> <li>. Plastic Wares etc.</li> </ul>
10.	Accessories	<p>. The quoted Instrument should come along with a DNA quantitation .System validated for forensic application which can do real time detection of target amplification. It should use the same technology for detection which is being used by automated DNA sequencer. The system should work under universal thermal cycling condition to avoid optimization of assays each time. The compatible 2 KVA on Line UPS with 30 minute should be provided.</p>
11.	Power Backup and Work Station	<p>A compatible 5 KVA on line UPS with 30 minute backup, color</p> <p>Laser printer scanner-copier and PCR workstation (Laminar Flow) should be provided.</p>
12.	Service and Warranty	<p>. The vendor must have a fully functional own lab (Preferably NABL accredited) to offer application training for forensic analysis with field applications/ service support to help solve chemistry and Instrumentation problems.</p> <p>. The instrument should carry a warranty for 12 months from installation.</p> <p>. On site operation and application training should be provided.</p> <p>. The vendor should submit their user list for at least 10</p>

		users in forensic applications along with their quote mentioning the contact details
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## **ITEM NO 2**

### **DIGITAL OVEN**

- Microprocessor controlled Temperature control
- Volume: 115 Liter x 2 Stackable.
- Air Convection: Natural and Forced Air.
- Temperature Range : Ambient + 5 °C to 220 °C
- Trays : 2 Standard (Max. 4)
- Control Panel: Automatic
- Temperature setting with degree accuracy
- Time range : 0-99.9 hours
- Over temperature protection with visual alarm.
- Stainless Steel interior with 2 chrome plated trays.
- Exhaust duct at rear of the unit with manually adjustable slide.
- Large digital display for temperature & time.
- Power Supply : 230 Volt 50/60 Hz.
- Door : Right hinge
- Stackable Units.
- Free installation , working demonstration and suitable warranty

### **ITEM No 3**

#### **WATERBATH**

- **Shaking Water Bath**
- Temp. range: Amb...99.9deg.C
- Display resolution: +/-0.1deg.C
- Temp. stability: +/-0.2deg.C
- Interface: RS 232
- Heater Capacity: 2000W
- Shaking Freq.: 20...200rpm
- Bath opening: WxLxD 50x30/18cm
- Filling volume: 8..20 Ltrs
- Dimensions WxLxH: 70x35x26cm
- Amb. Temperature: 5...40deg.C

#### **▪ ADDITIONAL FEATURES**

- Seamless, splash-proof keypad
  - Splash Proof mains switch
  - Electronic timer for setting the running time
  - Dry running protection/safety temp.fixed at 130deg.C
  - Removable shaking carriage
  - Shaking frequency adjustable from 20 to 200rpm
  - Shaking frequency indicated on MULTI-DISPLAY [LED]
  - Shaking stroke 15mm
  - Bright multi-display [LED]
  - Microprocessor Technology with PIDtemperature control
  - Online communication via built in RS 232 interface
  - Early warning system with high andLow temperature limits
  - Drain screw for conveniently emptying the bath
  - Easy temperature control software
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- Lift-up Makrolon Cover 01
  - All purpose spring tray for Erlenmeyer 01
  - flasks 250ml. Incl. Set of springs for
  - Erlenmeyer flasks 25ml...1000ml

### **ADDITIONAL ACCESSORIES**

- Basic tray for assembling max. 4                      02
  - test tube racks on a mix and match basis
- Test tube rack for 90 microliter tubes    02
  - 11/12mm dia, made of stainless steel
- Test tube rack for 21 test tubes,                      01  
stainless steel
- Test tube rack for 60 test tubes                      01  
16/17mm dia made of stainless steel
- Test tube rack for 90 test tubes                      01  
2/13mm dia made of Stainless steel
- Free installation, working demonstration and suitable warranty

### **ITEM No. 4**

#### **Deep Freezer -20°C**

- -20°C, freeze with all accessories.
- Double Door with digital technology.
- Double Door :-gross freezer about 226 Ltr and Refrigerator 323 Ltr.
- Cooling features No frost, Multiflow
- Interior Light 30Wx1EA, Spill proof selves, 5 door pockets.
- Refrigerator features with chill compartment interior light30x7EA with shelves.
- Freezer features LED, Exterior display C Shelves and pocket.
- Exterior features: long handle, 4 star freezer rating with door alarm
- Other Cyclopentane insulating with silver nano health system .
- Free installation, working demonstration and suitable warranty

## **ITEM No 5**

### **Gas Plasma Sterilizer**

- The Sterilizer should use Low Temperature H<sub>2</sub>O<sub>2</sub> Gas Plasma for Sterilization
- Should have cycle temperature of 40 – 50 ° C
- Should have rectangular chamber of 25-30 liter usable volume
- Cycle Time should be less than 30 minutes.
- Should be approved by USFDA & CE & EPA
- The Sterilizer should be recommended by the IFUs of reputed Device Manufacturers of endoscopes and fiberscopes.
- Should have Microprocessor Control with in-built monitor to measure the concentration of the Sterilant (H<sub>2</sub>O<sub>2</sub>) throughout the cycle.
- Should detect excess moisture thus eliminating chances of contamination due to residual bio burden.
- The system should use minimum quantity of Sterilant to deliver dry terminal sterilization with minimum exposure time to ensure safety of Instruments against Sterilization Claims should be validated using USFDA approved Biological Indicators with 24 hour read out time.
- Should have self diagnostic capability for trouble shooting.
- Should have password based security for users and supervisors
- Should have pre programmed cycles without any room for human error due to manual programming
- The by-products should be non-toxic and eco-friendly.
- Sterilant ( H<sub>2</sub>O<sub>2</sub> > 55%) should be in cassette with leak proof indicator.
- Sterilant cassette should be stored at Room temperature
- Should be able to document cycle with printout of the cycle parameters and provide One Second data for quality control for every second of the cycle
- Should be able to run on Single-Phase 10A/220 V
- Should have Ethernet port
- Should have consumables like Cassette: Prefilled H<sub>2</sub>O<sub>2</sub> (Hydrogen Peroxide) with Leak Proof Indicator, Chemical Indicator, Biological Indicators, Polypropylene and Tyvek Wrappers for wrapping Instrument trays and medical devices.

- Should have accessories like Incubator, Validation kit, Instrument trays and matching Instrument tray mats, Endoscope Holders & Endoscope Bars, Sealing machine
  - Quoted Model should have been present in the market for minimum 3 year.
  - Should have minimum 15 installation of the quoted model in India.
- Should have service center in India with ready availability of spares within 48 hours.
- Should be mobile and Should be installable without the need for extra civil work
  - Free installation , working demonstration and suitable warranty
  - UPS Online 1 KVA

### **Item No.6**

#### **Specifications of Automated DNA Extraction System**

Validated Forensic DNA extraction and purification system with capacity to extract DNA from all types of forensic samples and having the following specifications:

System should be a bench top system based on cartridge extraction principle.

It should be able to extract DNA from at least 12 samples or more at a time.

System should automate the DNA isolation steps of binding, washing and elution.

Kits for DNA extraction from routine/standard samples and challenging samples such as bone, tooth and adhesive based samples should be available for use with the system. The kits should include combination column which is suitable for both lyses and separation.

Kits and disposables/consumables for at least 200samples ; 100 each routine samples (blood etc.) and 100 difficult samples (bone, tooth and adhesive samples) should be provided by the same vendor along with the instrument.

Software for data management and instrument operation/analysis should come along with the instrument. Cross contamination free. Operational training should be provided by the vendor. Suitable online UPS with 30 minute backup should be provided along with the instrument.



## **ITEM 7**

### **Variable speed Vortex Mixer**

- Variable speed Vortex Mixer providing fast, efficient mixing with minimal vibration. With true circular orbit allowing even distribution of vortexing across the entire speed range. With full range of accessories to accommodate most common laboratory tubes and plates.
- **Speed range( 230V)** 0 - 2,850 rpm
- **Operating modes** Touch or continuous
- **Ambient operating range** 4° to 65°C
- **Electrical** 230V, 50/60 Hz~2900
- With all accessories including heads for 24 x 1.5/2.0 ml tubes, 24 x 0.5 ml tubes and 32 x 0.2 ml tubes (or 4 PCR strips), 1 microplate or 64 x 0.2 ml tubes or 8 PCR strips, 8 x 15 ml and 8 x 12/13 mm diameter tubes, 6 x 50 ml tubes, 12 x 1.5/2.0 ml tubes, held horizontally, 4 x 15 ml tubes, held horizontally and for 2 x 50 ml tubes, held horizontally
- Free working demonstration and suitable warranty

## **ITEM 8**

### **Micropipettes**

- UV resistant body
- Unsurpassed accuracy
- ROBUST and lightweight
- Fully Autoclavable minimizing contamination risks.
- Accurate digital volume setting
- Easy maintenance and calibration routines
- Thermally Insulated from hand heat
- Filtered nozzle in 1, 000, 5,000 and 10,000 µl models prevent contamination.
- Ceramic pistons in 200, 1000, 5,000 and 10,000 µl models

Description.	volume	Quantity
Digital micropipette, Autoclavable increment 0.002 µl	0.1-2 µl	2
Digital micropipette, Autoclavable increment 0.01 µl	0.5-10 µl	1
Digital micropipette, Autoclavable increment 0.02 µl	2-20 µl	1
Digital micropipette, Autoclavable increment 0.1 µl	10-100 µl	1
Digital micropipette, Autoclavable increment 0.2 µl	20-200 µl	1
Digital micropipette, Autoclavable increment 1.0 µl	100-1000 µl	2
Digital micropipette, Autoclavable increment 10.0 µl	1-5 ml	1
Digital micropipette, Autoclavable increment 10.0 µl	1-10 ml	1
Rotary stand to hold 4 pipettes	-	5

## **ITEM 9**

### **ENCASE LATEST MODEL/VERSION**

- EnCase Soft ware Version 6 or higher
- SATA Hard Disk write Blocker Duplicating Devices
- PATA Hard Disk Write Blocker duplicating Devices
- Hard Derive Seizer - DevicesIDE,EIDE,ATA,PATA,LAPTOP,SATA,SCSI, USB External Storage Devices
- Cell Seizer Tool & Kit
- Anti Virus Softwares
- Fast block. Fro SATA , PATA , Mobile drives. (2)
- SIM Card Reader

## **ITEM 10**

### **ELECTRONIC BALANCE**

- Weighing Range: 220 g.
- Readout: 0.1 mg
- Reproducibility: 0.2 mg
- Linearity:  $\pm 0.2$  mg.
- Platform size: 80 mm dia.
- Automatic internal calibration.
- Backlid LCD Display.
- Metal housing.
- Draft shield with glass sliding doors.
- RS 232 data interface.
- Percentage determination.
- Load support.
- Piece counting.
- Mains adaptor 230V / 50 Hz.
- Switchable measuring weighing units.
- Free installation, working demonstration and suitable warranty

## **ITEM 11**

### **REFRIGERATED MICROCENTRIFUGE (Two)**

#### **(1)**

- Microprocessor controlled.
- Max. Speed 18,000 rpm.
- Max. Volume 4 x 100 ml.
- Temperature Range -20 to 40 deg.
- Preselection of time 30 sec to 99 hours and continuous run.
- Large LCD display.
- Maintenance free induction drive.
- Motorize lid lock.
- Stainless steel chamber.
- Automatic Rotor Identification with over speed protection.
- Active Imbalance Identification.
- CFC free Refrigeration
- Permanent indication for actual & preset values.
- Program memory for 99 runs.
- 10 acceleration / deceleration.
- Quick key for short run.
- Diagnostic Program.
- Stand still cooling and pre cooling of rotors.

#### **Rotors :**

- Fix Angle Rotor for 12 x 1.5/ 2.0 ml tubes with max speed up to 18000 rpm and 23500 x g.
- Swing Out Rotor for at least 4 x 100 ml tubes with max speed up to 4500 rpm and 3300 x g.
- Fix Angle Rotor for 6 x 80 ml tubes with max speed up to 13500 rpm & 20000 x g.
- Fix Angle Rotor / Adaptor for 6 x 30 ml Oak Ridge tubes with max speed up to 13500 rpm & 20000 x g

(2)

- Microprocessor controlled.
- Max. Speed 15,000 rpm.
- Max. Volume 4 x 100 ml.
- Temperature Range -20 to 40 deg.
- Preselection of time 30 sec to 99 hours and continuous run.
- Large LCD display.
- Maintenance free induction drive.
- Motorize lid lock.
- Stainless steel chamber.
- Automatic Rotor Identification with over speed protection.
- Active Imbalance Identification.
- CFC free Refrigeration.
- Permanent indication for actual & Preset values.
- Program memory for 99 runs.
- 10 acceleration / deceleration.
- Quick key for short run.
- Diagnostic Program.
- Stand still cooling and pre cooling of rotors.

**Rotors :**

- Fix Angle Rotor for 24 x 1.5/ 2.0 ml tubes with max speed up to 15000 rpm and 21000 x g.
- Adaptors for 0.5 ml tubes.
- Fix Angle Rotor for 6 x 80 ml tubes with max speed up to 13500 rpm & 20000 x g.
- Adaptors / Rotor for 50 ml Falcon & 15 ml Falcon tubes with max speed up to 13500 rpm & 20000 x g.

## **ITEM 12**

### **High Speed Refrigerated Centrifuge:**

- Microprocessor controlled.
- Max. Speed 30,000 rpm and 65000 x g.
- Max. Volume 6 x 250 ml.
- Temperature Range -20 to 40 deg.
- Preselect ion of time 30 sec to 99 hours and continuous run.
- Large LCD display.
- Maintenance free induction drive.
- Motorize lid lock.
- Stainless steel chamber.
- Automatic Rotor Identification with over speed protection.
- Active Imbalance Identification.
- CFC free Refrigeration.
- Noise level < 60db.
- Permanent indication for actual & Preset values.
- Program memory for 99 runs.
- 10 acceleration / deceleration.
- Quick key for short run.

### **Rotors :**

- Fix Angle Rotor for 6 x 250 ml with max speed up to 10000 rpm and 15650 x g.
- Fix Angle Rotor for 12 x 1.5 ml with max speed up to 30000 rpm and 65000 x g.
- Fix Angle Rotor for 6 x 50 ml with max speed up to 21000 rpm and 41000 x g.
- Fix Angle Rotor for 20 x 10 ml with max speed up to 16000 rpm and 28000 x g
- Microtitre Plate Rotor for 2 x 3 MTP plates with max speed up to 4500 rpm and 2700 x g.
- Free installation, working demonstration and suitable warranty

**ITEM 13**  
**SHAKING WATER BATH**

- **Shaking Water Bath**
- Temp. range: Amb...99.9deg.C
- Display resolution: +/-0.1deg.C
- Temp. stability: +/-0.02deg.C
- Interface: RS 232
- Heater Capacity: 2000W
- Shaking Freq.: 20...200rpm
- Bath opening: WxLxD 50x30/18cm
- Filling volume: 8..20 Ltrs
- Dimensions WxLxH: 70x35x26cm
- Amb. Temperature: 5...40deg.C

**ADDITIONAL FEATURES**

- Seamless, splash-proof keypad
- Splash Proof mains switch
- Electronic timer for setting the running time
- Dry running protection/safety temp. fixed at 130deg.C
- Removable shaking carriage
- Shaking frequency adjustable from 20 to 200rpm
- Shaking frequency indicated on MULTI-DISPLAY [LED]
- Shaking stroke 15mm
- Bright multi-display [LED]
- Microprocessor Technology with PID temperature control
- Online communication via built in RS 232 interface
- Early warning system with high and Low temperature limits
- Drain screw for conveniently emptying the bath
- Easy temperature control software
  - Lift-up Makrolon Cover
  - Basic tray for assembling max. 4 test tube racks on a mix and match basis
- Test tube rack for 60 test tubes 16/17mm dia for polypropylene
- Test tube rack for 90 test tubes 12/13mm dia for polypropylene
- Test tube rack for 90 microliter tubes 11/12mm dia for polypropylene
- Test tube rack for 21 tubes 30mm dia for polypropylene

FL 300 Recirculating Cooler

Working temp. Range: -20..+40deg.C

Temp. stability: +/-0.5deg.C

Display: LED

Display resolution: 0.1deg.C

Pump capacity:

- Pressure: 350 mbar
- Flow rate: 15 LPM\*
- Cooling capacity: 20deg.C at 300W    10deg.C at 50W  
0deg.C at 200W    -5deg.C at 150W-20deg.C at 100W
- Filling volume: 3...4.5 Ltrs
- Dimensions WxLxH: 25x50x60cm with Cooling coil

**ADDITIONAL ACCESSORIES**

All purpose spring tray for Erlenmeyer flasks 250ml. Incl. Set of springs for Erlenmeyer flasks 25ml...1000ml Aqua stabil Water Bath

ProtectiveMedia 6 bottles, 100ml each,

USB Interface adapter cable

**ITEM 14**

**Tissue Lyser system**

- Automated Tissue Lyser Instrument
- should be a small bench top instrument
- Should be able to process many sample type including liver tissues.
- Should homogenize 16 samples at a time.
- sample tube should be pre filled with ceramic beads
- can be integrated with automated Real Time PCR workflow
- there should not be any rotor/motor or cooling block of indigenous make
- Should be provided with cooling block to prevent nucleic acid degradation.
- speed of the rotor should be in the range of 7000 rpm
- Free installation, working demonstration and suitable warranty
- With extra beads and all accessories



## **ITEM 15**

### **ELECTROSTATIC DUST MARK LIFTING KIT (20 Nos.)**

DLK Kit with Electrostatic voltage control unit, Ground Plane nickel-plated sheet 4" X 6", Ground Plan poly carbonate insulating sheet 5" X 7", Insulated Roller, 9v Alkaline Battery, Static Discharge Cable, Metalized pick-up mats in protective tube.

S. N0.	Name of equipment	No. of unit	Specification
16	Digital Camera	04	Digital SLR Camera body w/ Body Cap, LCD Monitor Cover, Rechargeable Li-ion Battery, USB Cable, Video Cable, Neck Strap, Software CD, 18-105MM F 3.5-5.6 G EDVR Zoom Lens, 4 GB SD Memory Card, more than 12 mega pixels.
17	Digital Balance	04	High quality electronic balance with readability of 0.0001gms to 1.0gm LCD or fluorescent display capacity and residue tare display. Square Weighing Pan 135x135mm Closed glass Cover. Max. Weighing 500gm, facility for measuring specific gravity.
18	35MM Enlarger	1	Colour, Black & White analyzing system making complete auto print system, Timer etc
19	Digital SLR Camera	1	Digital SLR Camera- 18-55 lens, 28-105 Zoom lens, Image Sensor, Recording System, White Balance, Viewfinder, Live view shooting, Auto focus/ Manual, Exposure Control, Shutter, Built-in flash, External Speedlite, Drive System, LCD Monitor, Image Playback, Image

			protection and erase, Direct Printing, Digital print order format, Direct image transfer, Power source/ Battery, 4 GB Memory Card. Processing unit-Complete printing system A-4 Size with NOTE BOOK- Core 2 duo processor, genuine window 7 Operating System, 3GB Memory Card, 320 GB Hard drive, 15.6” Display, Video Card, Optical drive, Wireless Network Card, Security Software, Bluetooth, 65 watt adaptor
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## **ITEM 20**

### **FTIR**

#### **SPECIFICATION OF FTIR**

1. FTIR with scan range of 7800-350cm<sup>-1</sup> or better with room temperature operated DTGS detector.
2. Interferometer should be rock solid, permanent alignment with high stability.
3. Dual Source, Dual beam splitter and dual detector for NIR and mid IR.
4. Optics must be sealed and desiccated and the desiccants must be easily accessible for user replacement.
5. Pruging capabilities of spectrometer optics.
6. Signal to noise of the system must be better than 35000:1 for one minute.
7. Wave length precision better than 0.01 cm<sup>-1</sup> at 2000cm<sup>-1</sup>.
8. Maximum resolution better than 0.4 cm<sup>-1</sup>.
9. Real time atmosphere vapour correction utility must be available and optics must be protected from moisture by coating of repellent material.

10. Automatic recognition of accessories. Libraries of Drugs, pesticides and Georgia Crime Lab.
11. ATR( Diamond Crystal) accessory with multiple reflections for solids powders, polymers films/sheets, liquid, gels, pastes for reflectance should be quoted. The ATR must be recognized by the system automatically and when installed in the system, auto aligned to optimize energy.
12. Demountable cell with KBR windows, IR Grade KBR crystals, KBR pellet making press with Agate pestle and Mortor, KBR Die, Pellet Holder, magnetic film holder be quoted.
13. System upgradeable in future for FTIR Microscopy.
14. Latest Branded PC and Printer, compatible on line UPS (5 KVA) with at least 30 minute back up must be supplied along with the system.

**ITEM NOs. 21 TO 22 (01 No. EACH)**

Item No.	Name of Equipment & Consumables.	Specification.
21	Centrifuge(small) 14,000rpm	Rotor should accommodate 1.5 ml, 2.0 ml micro centrifuge tubes and should have adaptor for 250 ul PCR tube. An additional <b>swing out rotor</b> assembly desired. Max speed 14000 rpm.
22	Mini-Quick spin-win centrifuge 10,000 rpm.	Max speed 10000 rpm.
23	Capillary assay 36 cm for ABI 3130 Genetic Analyser.	Capillary length 36 cm (for STR analysis), four capillary arrays.
24	Gel DOC System	<b>Darkroom:-</b> Darkroom for UV protection, with a window for viewing gel. Should work in trans illumination and vertical illumination mode at 254nm, 305/ 315,365 nm and white light <b>Camera:</b> Digital with 2 mega pixel resolution and computer

		controlled. <b>Software:-</b> Camera control and image capture software compatible with windows XP and windows Vista
25	DNA Kits ( Identifiler, Minifiler, and Y- filer.	Proprietary items of Applied Biosystems.
26	Lab in a bag (Cyber Forensic Lab).	Imager Hardware, capable of imaging two hard disks simultaneously with speed 15 GB/Min., two SATA/SAS connections on suspect side: two USB connections on suspect side, support RAID 0, 1: should support imaging to DD, EOI, single flat file destination to HDD or USB storage device, should have built in window XP OS, support drive spanning: should fit in ruggedized case: touch interface, capability to connect to network, storage for archiving for ensie images; imaging unit should be capable of previewing data files directly such as word, excel , etc. for infield use; should come bundle with high end laptop. ( Intel Core 2 Duo, 4 GB RAM, DVD writer Double layer, wi-fi, integrated blue tooth, web cam and card reader, three USB ports, Integrated Data Card Slot, 15.4" wide screen.) for field operation

## नियम एवं शर्तें

आपसे अनुरोध है कि उपर्युक्त उत्पाद रेंज हेतु अपनी सर्वाधिक प्रतियोगी ऑफर ( दो प्रतियों में) प्रस्तुत करें। आपकी ऑफर एक मोहरबंद लिफाफे में सही प्रकार से निविदा संख्या का उल्लेख करते हुए श्री आर.के.गोयल, महा प्रबंधक, सामान्य आयात प्रभाग, एसटीसी ऑफ इण्डिया लिमिटेड, जवाहर व्यापार भवन, टॉलस्टॉय मार्ग, नई दिल्ली - 110 001 को संबोधित करते हुए जवाहर व्यापार भवन, टॉलस्टॉय मार्ग, नई दिल्ली - 110001 की छठी मंजिल एनेक्सी में रखे हुए एक निविदा बॉक्स में जमा की जानी चाहिए।

आपकी ऑफर में निम्नलिखित शामिल होने चाहिए:

- 1) एफओबी मूल्य, सी ई पी नई दिल्ली और जयपुर / Junga (शिमला)  
(राजस्थान /हिमाचल प्रदेश) मूल्य.  
(एफओबी मूल्य के ऊपर, एयरफ्रेट इंदिरा गांधी अंतरराष्ट्रीय हवाई अड्डा, नई दिल्ली तक, कस्टम क्लीयरेंस शुल्क, जयपुर अंतर्देशीय बीमा और IGI नई दिल्ली से परिवहन शुल्क ( आइटम 1 TO 19 के लिए) और Junga- शिमला (आइटम 20 TO 26 के लिए), आदि को दिया जा रहे हैं (i) के पक्ष में कस्टम की मंजूरी के लिए दस्तावेजों सप्लायर के एजेंट हैंडलिंग नामित, (ii) शुल्क छूट प्रमाण पत्र और. (iii) कस्टम ड्यूटी (आदेश प्राप्त होने पर प्रविष्टि के बिल की प्रतिलिपि शुल्क राशि के लिए सीमा शुल्क के साथ दर्ज) एसटीसी द्वारा प्रदान किया जाएगा .
- 2) मूल (ऑरिजिन) देश (यह निर्यातक देश के चैम्बर ऑफ कॉमर्स द्वारा सही प्रकार से समर्थित हो।)
- 3) डिलीवरी कार्यक्रम
- 4) भुगतान शर्तें - हम सीएडी/एलसी आधार पर कार्य करते हैं। एलसी 100% मूल्य हेतु ( 100% पोत लदान पर और संस्थापना (इंस्टालेशन) पर और अंतिम प्रयोक्ता विभाग की ओर से प्रमाणन पर जो संतोषजनक संस्थापना का साक्ष्य देगा) एलसी के मामले में भारत के बाहर देय सभी बैंक प्रभार (एल सी पुटि प्रभार सहित) आपके खाते में जाएंगे
- 5) कीमत की वैधता - आपकी ऑफर, ऑफर की तारीख से 6 महीनों तक हमारे द्वारा स्वीकृति के लिए वैध होगी।
- 6) पोत लदान पत्तन

7) बैंक विवरण आपूर्तिकर्ता

8) निविदा कार्यक्रम:-

ग) ऑफर प्राप्त करने की अंतिम तारीख और समय:  
**12.05.2010, भारतीय मानक समय के अनुसार**  
**अपराह्न 3.00 बजे तक**

घ) ऑफर खुलने का समय और तारीख: **12.05.2010, भारतीय मानक समय के अनुसार अपराह्न 3.30 बजे ।**

निविदाएँ उसी दिन उपस्थित होने के इच्छुक निविदाकर्ताओं की उपस्थिति में खोली जाएंगी।

(क) एसटीसी की कार्पोरेट नीति के संबंध में मुख्य आपूर्तिकर्ताओं की ऑफर्स पर सामान्य की तरह विचार किया जाएगा । विदेशी आपूर्तिकर्ताओं के भारतीय एजेंटों के माध्यम से प्रस्तुत की गई ऑफर्स, यदि कोई हों, पूर्णतया अस्वीकार कर दी जाएंगी । ऑफर्स डाक/कूरियर/स्पीड पोस्ट के द्वारा भी भेजी जा सकती हैं । किन्तु ये निविदा के अंतिम समय से पहले प्राप्त हो जानी चाहिए ।

(ख) सभी ऑफर्स उद्धृत दरों के 2% की धरोहर राशि जमा (ईएमडी) के साथ एसटीसी ऑफ इण्डिया लिमिटेड, नई दिल्ली के पक्ष में पे-आर्डर/डिमांड ड्राफ्ट के रूप में जमा की जाएंगी। तथापि सुविधा के लिए विदेशी आपूर्तिकर्ता अपेक्षित धरोहर राशि जमा अपने भारतीय एजेंटों के माध्यम से समकक्ष भारतीय मुद्रा में जमा कर सकते हैं यदि वे ऐसा करने के इच्छुक हों ।

(ग) प्राप्त ऑफर (सशर्त आफर्स के अलावा), निविदाएँ खोलने के बाद अंतिम प्रयोक्ता विभाग को मूल्यांकन हेतु अग्रेषित की जाएगी ।

(ड) सफल निविदाकर्ता को निविदा/आर्डर देने पर कीमत के 10% के बराबर भारतीय मुद्रा में और उपकरण के गारंटी अवधि तक वैध निविदा के सही निपादन के लिए निविदाकर्ता (अवार्ड) द्वारा निपादन गारंटी प्रस्तुत की जाएगी । निपादन गारंटी "एसटीसी ऑफ इण्डिया लिमिटेड" के पक्ष में नई दिल्ली में देय डिमांड ड्राफ्ट बैंकर चैक के रूप में होगी । निपादन गारंटी एवं निविदा अवार्ड होने से पहले प्रस्तुत करनी होगी ।

(च) आपसे यह भी अनुरोध है कि कृपया भारत में बिक्री पश्चात सेवा व्यवस्था का विवरण दें। ऑफर्स के साथ भारत में आपकी सेवा प्रतिनिधि का नाम, उनका पूर्ण पता और सम्पर्क नम्बर भी हमें सूचित किया जाए ताकि अंतिम विभाग को सूचित किया जा सके ।

(छ) भाग लेने वाले निविदाकर्ता एसटीसी की निविदा की शर्तों को बिना शर्त और असंदिग्ध रूप से स्वीकारते हुए निविदा कागज़ात के प्रत्येक पृष्ठ पर मोहर सहित हस्ताक्षर करेंगे और इसे ऑफर (तकनीकी निविदा) के साथ प्रस्तुत करेंगे । एसटीसी की निविदा शर्तों को उपयुक्त रूप से स्वीकार न करने वाले ऑफर एक दम निरस्त कर दिए जाएंगे ।

(ज) एसटीसी को बगैर कोई कारण बताए पूर्णतया या अंशतया निम्नतर ऑफर सहित किसी भी या सभी ऑफर्स को स्वीकार या अस्वीकार करने का अधिकार है । सशर्त आफर्स पूर्णतया अस्वीकार कर दी जाएंगी । इसी प्रकार अपेक्षित धरोहर राशि जमा के बगैर जमा की गई या अधूरी ऑफर्स को भी अस्वीकार कर दिया जाएगा ।

(आर.के.गोयल )

महा प्रबंधक

टे.न. 011-23701038

नई दिल्ली, 23.04.2010

### **TERMS AND CONDITIONS**

You are requested to submit your most competitive offer (In Duplicate) for the above product range. Your offer in a sealed cover duly superscribing the Tender No. Item No. & Name of Item addressed to Shri R.K.Goel, General Manager, General Imports Division, STC of India Ltd., Jawahar Vyapar Bhawan, Tolstoy Marg, New Delhi-110001 may be dropped in a Tender Box placed conspicuously on the 6<sup>th</sup> Floor annexe of Jawahar Vyapar Bhawan, Tolstoy Marg, New Delhi – 110001.

Your offer is sought to include the following :

**1) FOB Price, CIP New Delhi & FOR Jaipur (Rajasthan) /Junga –Shimla (Himachal Pradesh) price.**

(Break-up of insurance, airfreight upto IGI Airport, New Delhi, Custom Clearance charges, Inland Insurance and Transportation Charges from IGI New Delhi to Jaipur (For Items at S.Nos. 1 to 19) & Junga-Shimla (For Items at S.Nos.20 to 26) , etc. are to be given. The documents for (i) custom clearance in favour of nominated handling agent of the supplier, (ii) Duty exemption certificate and (iii) Pay Order (upon receipt of copy of Bill of Entry filed with customs) for duty amount shall be provided by STC.

Offers received without above break-up of charges shall be considered invalid.

**2) Country of Origin (Duly supported by Chamber of Commerce of the exporting country)**

**3) Delivery Schedule – We need immediate deliveries.**

**4) Payment terms – We operate on CAD/ LC Basis.**

(i) **In case of LC**, LC for 100% value will be opened, however, payment will be released upon submission of shipping documents to the Bank and submission of prescribed Annexure of “Certificate of Acceptance of Goods” later obtained from the end-user department evidencing acceptance of goods after satisfactory installation/testing/demonstration of goods and their being in satisfactory working conditions at their facilities. The said certificate shall form the part of LC negotiation documents. In case of LC, all bank charges (including LC confirmation charges) payable outside India would be to Seller’s account.

(ii) **In case of CAD payment**, 100% payment by Swift/Wire Transfer to the Supplier’s Bank Account will be made only after a prescribed Annexure of “Certificate of Acceptance of Goods” is obtained from the end-user Department after delivery/installation/demonstration of the goods at their facilities and submitted by the supplier along with other shipping documents to STC/Bank.

**5) Validity of Price – Your offer to be valid for acceptance by us up to 6 months from the date of offer.**

- 6) Port/Airport of Shipment
- 7) Supplier's Bank Details
- 8) Warranty Period – The equipment quoted for shall carry a warranty of minimum 1 (one) year and the manufacturer shall have to provide after sales service, as and when required at a short notice. You have to give an undertaking that you will provide maintenance support after the expiry of warranty period covering the life of the equipment. You would also be required to give an undertaking that you will supply spare parts, if and when required, at an agreed price during the life of the equipment.
- 9) The detailed list of consumables and spares with CIP New Delhi & FOR Jaipur (Rajasthan)/Junga – Shimla (H.P.) prices, required for smooth functioning of the equipment, shall also be submitted along with the tender offer.
- 10) **Schedule to Tender :-**
  - a) **Closing date & time for receipt of offers: 12.05.2010 upto 1500 Hrs IST.**
  - b) **Opening of Offers, Time & Date : 12.05.2010 at 1530 Hrs IST.**

The tenders will be opened the same day in presence of the Tenderers desirous to be present.

(A) Having regard to STC's Corporate Policy, offers from **Principal manufacturers/suppliers only** shall ordinarily be considered. Offers submitted through Indian Agents of the Foreign Suppliers, if any, are thus liable to be rejected summarily. Offers can also be sent by postal Mail/Courier/Speed Post, but to be received before the Tender Closing Time. Offer(s) received after tender closing shall be summarily rejected.

(B) All offers shall be submitted along with an Earnest Money Deposit (EMD) @ 2% of total value quoted, in equivalent Indian Currency, in the form of Pay Order / Demand Draft in favour of The STC of India Ltd. payable at New Delhi. However, for sake of convenience the foreign suppliers may submit the requisite EMD through their Indian Agents in equivalent Indian Currency, should they so desire.

(C) Upon award of the Tender/Order to the successful bidder, a Performance Guarantee for due performance of the Contract, valid up to the warranty period of the equipment, equivalent to 10% of the order value shall be submitted by the awardee in Indian Currency. The Performance Guarantee shall be in the form of a Demand Draft/Bankers cheque in favour of "The STC of India Ltd", payable at New Delhi. The submission of performance guarantee shall precede the placement of formal Purchase Order. The 2% EMD shall be refunded after receipt of performance guarantee from the successful bidder.



(D) The offers received (other than conditional offers) after opening of bid(s) shall be forwarded to the end-user department for their evaluation.

(E) You are also requested to kindly give the details of after sales service arrangements in India. The name of your Service representative in India along with his complete address and contact numbers may also be informed to us along with the offer so that the same could be notified to the end-user.

(F) The participating tenderers will sign and stamp each page of this tender document in token of their acceptance of STC's tender terms unconditionally and unequivocally and submit same along with the offer. **The offer, not accompanied by STC's tender terms duly co-accepted, shall be summarily rejected.**

(G) No deviation, whatsoever, shall be acceptable. The tenderer has to give following certificate on their letter-head by duly signing and stamping it and enclosing the offer/quotation along with this Certificate:

### **CERTIFICATE**

Certified that the enclosed offer against **TENDER NO.STC/GID/397/2010-11 dated 23<sup>rd</sup> April, 2010** is in total conformity with tender terms & conditions and specifications without any deviation, whatsoever.

Place:

SIGNATURE OF THE TENDERER

Date:

NAME & DESIGNATION OF TENDERER  
COMPANY SEAL

(H) In case of delay in supplies beyond the quoted delivery period, liquidated damages to the extent of 0.5% of the cost of the delayed supplies per week is applicable, subject to a maximum of 10%. Beyond this period, we reserve the right to either extend further or to cancel the contract.

(I) **Arbitration** : Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, operation or effect of the contract or the breach thereof shall be settled by arbitration in accordance with the Rules of Arbitration of the Indian Council of Arbitration, New Delhi and the award made in pursuance thereof shall be binding on the parties.

The contract shall in all aspects be governed by Indian Laws. The courts in India at New Delhi alone shall have jurisdiction in the matter. The language of Arbitration shall be English.

(J) **Force Majeure** : If at any time during the existence of the contract either party is unable to perform in whole or in part any obligation under this contract because of war, hostility, civil commotion, sabotage, quarantine restrictions, acts of God and acts of Government (including but not restricted to prohibition of exports or imports ) fires, floods, explosions, epidemics, strikes, embargoes then the date of fulfillment of

engagement shall be postponed during the time when such circumstances are operative.

Any waiver /extension of time in respect of the delivery of any installment or part of the goods occasioned due to reason mentioned above shall not be deemed to be waiver/extension of time in respect of the remaining deliveries.

If operation of such circumstances exceed three months, each party shall have the right to refuse further performance of the contract in which case neither party shall have the right to claim eventual damages.

The party which is unable to fulfill its engagements under the present contract must within 15 (fifteen) days of occurrence of any of the causes mentioned in this clause inform the other party of the existence or termination of the circumstances preventing performance of the contract. Certificate issued by the Chamber of Commerce in the country of Seller or the Buyer shall be sufficient proof of existence of the above circumstances and their duration. Non-availability of raw material will not be an excuse to the Seller for not performing their obligation under the contract.

(J) It shall be the exclusive right of STC to accept or reject any or all offers including the lowest offer either wholly or partly without having to assign any reason therefor. Conditional offers are liable to be rejected summarily. Like wise, incomplete offers or offers submitted without the requisite EMD are also likely to be rejected..

**New Delhi.**  
**Dated – 23.04.2010**

**R.K.GOEL**  
**GENERAL MANAGER**  
**Tele No. 011-23701038**  
**Fax No.23462337**

**GENERAL IMPORTS DIVISION  
(6<sup>TH</sup> FLOOR ANNEXIE)**

**TENDER NO.STC/GID/SS-04/2009-10  
dated 30th September, 2009.**

**ITEM: FORENSIC/SCIENTIFIC EQUIPMENTS**

**TENDER CLOSING: 1500 Hrs IST ON 09<sup>th</sup> Oct.,  
2009.**

**TENDER OPENING: 1530 Hrs IST ON 09<sup>th</sup> Oct.,  
2009**

(N.K. TALWAR)  
DY. MANAGER (FIN.)  
(MARKETING)

(AKHIL MATHUR)  
MANAGER

**GENERAL IMPORTS DIVISION  
(6<sup>TH</sup> FLOOR ANNEXIE)**

**(I) TENDER NO.STC/GID/SS-03/2009-10  
Dated 18<sup>th</sup> September, 2009.**

**ITEMS: PISTOLS, GUNS, S.M.Gs., RIFLES &  
SNIPER RIFLES, ETC.**

**(II) TENDER NO.STC/GID/SS-04/2009-10  
dated 30th September, 2009.**

**ITEMS: FORENSIC/SCIENTIFIC EQUIPMENTS**

**TENDER CLOSING: 1500 Hrs IST ON 09<sup>th</sup> Oct.,  
2009.**

**TENDER OPENING: 1530 Hrs IST ON 09<sup>th</sup> Oct.,  
2009**

**(N.K. TALWAR)  
DY. MANAGER (FIN.)  
(MARKETING)**

**(SURENDRA SHARMA)  
MANAGER**