

**स्टेट ट्रेडिंग कार्पोरेशन ऑफ इण्डिया लिमिटेड**

(भारत सरकार का एक उपक्रम)

जवाहर व्यापार भवन, टॉलस्टॉय मार्ग, नई दिल्ली - ११० ००१

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सामान्य आयात प्रभाग- (छठी मंजिल एनेक्सी)

निविदा संख्या : एस टी सी/जी आई डी/408/2012-13

दिनांक: 06.08.2012

**THE STATE TRADING CORPORATION OF INDIA LTD.**

**(A GOVT. OF INDIA ENTERPRISE)**

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**GENERAL IMPORTS DIVISION**

**(6<sup>TH</sup> FLOOR Annexe)**

**TENDER NO.STC/GID/408/2012-13 dated 06.08.2012**

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 :-:-

**List of Scientific Equipments to be purchased for respective Locations**

S.No	Name of the Equipment & Specifications	Qty (Nos)	Location
1	<b>GEL Doc system with CCD Camera</b> 1. Equipment should have specifications equivalent or better than mentioned below. 2. System should have monochrome Scientific Grade CCD camera with real time and integration time. 3. System should have resolution of 1.0 Mega Pixels or better. 4. System should have Ultra high sensitivity for Fluorescence, Scientific Grade Camera, Chip Quality : Grade 0, zero defect, Progressive Scan –Low dark current, Continuous variable – speed shutter 5. System should have Scientific Grade Zoom lens. 6. Dark Room and transilluminator should have following feature:- <ul style="list-style-type: none"><li>• It should be made from steel cabinet with epoxy painted body to avoid chemical resistance, should be completely light tight.</li><li>• Camera should be completely protected and covered to avoid any contamination from dyes like EtBr etc.</li></ul>	1	Karnal (Haryana)

	<ul style="list-style-type: none"> <li>• It should have Roll –out slide in Tran illuminator with UV blocking tray.</li> <li>• Tran illuminator should have stainless steel frame to avoid any chemical resistance and should be easy to clean.</li> <li>• System should have UV security Switch and UV security timer.</li> <li>• UV safety interlock: protects from UV exposure by shutting off UV light source when door is open.</li> <li>• UV Transilluminator should be microprocessor controlled, in case of excess heat transilluminator should switch off automatically.</li> <li>• There should be no flickering of UV tubes at all.</li> <li>• Offer should include Filter for Fluorescent dyes Illumination modes: Trans UV, white, Epi-white. System should have at least 3 position filter wheel. Trans illuminator should have 312nm transilluminator, with dual intensity switch .</li> </ul> <p>7. System should come with software for image acquisition and capture for 1D. Software for image enhancement and image analysis. Molecular weight analysis, Colony counting, Software with Image master to monitor the maximum and the minimum intensity obtained on the image, Images in tiff format. GLP/GMP compliant, Export data to Excel. It should have Real time mode, Positive and negative image acquisition, Grid display, Pixel by pixel saturation, Gray scale monitoring, Lane profiling, Marker migration curve display and adjustment, Volume, height and area calculation, Image inversion, Brightness and contrast adjustment, Horizontal and vertical mirroring.</p> <p>8. System should have TWO year standard warranty from the date of Installation and commissioning. System should be supplied with Suitable branded Computer along with accessories.</p> <p>9. Should be imported.</p> <p>10. Onsite operation training and demonstration should be provided after installation.</p> <p>11. List of installations and satisfactory performance report should be provided.</p> <p>12. The equipment quoted must not be end of sale equipment. Accordingly latest models of the equipment may be quoted</p>		
<p><u>2</u></p>	<p><b>Weighing balance:</b></p> <ol style="list-style-type: none"> <li>1. Equipment should have specifications equivalent or better than mentioned below.</li> <li>2. Should be electronic analytical weighing balance.</li> <li>3. The technical standards etc. should be: Readability: 0.001 Maximum Load: 250 g Repeatability (sd): .001 g Stabilization time: minimum. Inbuilt weight adjustment Weighing Pan Dimension approximately 80 mm.</li> </ol>	<p>1</p>	<p>Karnal (Haryana)</p>

	<ol style="list-style-type: none"> <li>4. Should have rugged metal housing, glass /acrylic cabinet for wind shielding.</li> <li>5. Should have features of built-in fully automatic calibration technology.</li> <li>6. Warranty should be minimum 2 years from the date of Installation and commissioning.</li> <li>7. Onsite operation training and demonstration should be provided after installation.</li> <li>8. List of installations and satisfactory performance report should be provided.</li> <li>9. The equipment quoted must not be end of sale equipment. Accordingly latest models of the equipment may be quoted.</li> </ol>		
3	<p><b>Temperature Thermostat Controller for Germ Plasm Room</b></p> <ol style="list-style-type: none"> <li>1. Equipment should have specifications equivalent or better than mentioned below.</li> <li>2. Suitable for controlling temperature of tissue culture room growth room or any specific room.</li> <li>3. Temp range 0.1 to 59.9°C Accuracy <math>\pm 1^\circ\text{C}</math></li> <li>4. Automatic cut of device with digital controller and heater.</li> <li>5. Onsite installation, operation training and demonstration should be provided.</li> <li>6. Warranty on system should be minimum 2 years from the date of Installation and commissioning.</li> <li>7. List of installations and satisfactory performance report should be provided.</li> <li>8. The equipment quoted must not be end of sale equipment. Accordingly latest models of the equipment may be quoted.</li> </ol>	2	Karnal (Haryana)
4	<p><b>Laminar air flow:</b></p> <ol style="list-style-type: none"> <li>1 Equipment should have specifications equivalent or better than mentioned below.</li> <li>2 Horizontal LAF with working table of stain less steel.</li> <li>3 M.S Duly Powder Coated,</li> <li>4 Approximate dimensions 4' x 2' x 2'</li> <li>5 With HEPA filters of aproximately 0.3<math>\mu</math> of an efficiency of 99.7 % anodized Aluminium frame. Prefilter approximately 10 <math>\mu</math>. International Standard 209 E velocity at output of HEPA 90 +20 FPM noise and vibration level should be very low.</li> <li>6 Should have normal fluorescent light and uv light 1 x 30 x 15 watts.</li> <li>7 Front and side door of Acrylic sheet (Transparent), Gas cock.</li> <li>8 Should have pressure gauze, magnetic gauze, etc.</li> <li>9 Additional better optional features should be provided as additional accessories.</li> <li>10 Onsite operation training and demonstration should be provided after installation.</li> <li>11 Warranty on system should be minimum 2 years from the date of</li> </ol>	1	Karnal (Haryana)

	<p>Installation and commissioning.</p> <p>12 List of installations and satisfactory performance report should be provided.</p> <p>13 The equipment quoted must not be end of sale equipment. Accordingly latest models of the equipment may be quoted.</p>		
5	<p><b>PCR Thermal Cycler:</b></p> <ol style="list-style-type: none"> <li>1. Equipment should have specifications equivalent or better than mentioned below.</li> <li>2. The system should be a Peltier based 96 well Thermal Cycler suitable for 96 x 0.2 ml PCR tubes or PCR plate 8 x 12 and strips.</li> <li>3. Sample block should be calibrated to NIST standard.</li> <li>4. Temperature range – 4 - 99°C.</li> <li>5. Temperature control accuracy <math>\pm 0.25^\circ\text{C}</math> or less.</li> <li>6. Ramp rate should be around 5-6°C or better.</li> <li>7. Should have heated lid and auto restart.</li> <li>8. Should have facility for networking and robotic upgradable.</li> <li>9. The machine should be duly licensed / authorized for PCR process and the vendor should produce the certificate for the same.</li> <li>10. Warranty on system should be minimum 2 years from the date of Installation and commissioning.</li> <li>11. Should have more than 100 installations throughout India in CSIR, ICAR, DBT, FSL's or other govt. institutions. List of installations and satisfactory performance report should be provided</li> <li>12. Should be imported.</li> <li>13. Onsite operation training and demonstration should be provided after installation.</li> <li>14. The equipment quoted must not be end of sale equipment. Accordingly latest models of the equipment may be quoted.</li> </ol>	1	Karnal (Haryana)
6	<p><b>Cryocan:</b></p> <ol style="list-style-type: none"> <li>1. Equipment should have specifications equivalent or better than mentioned below.</li> <li>2. Liquid Nitrogen container capacity 10 liters.</li> <li>3. Neck: approximately 51mm, static evaporation rate less than 0.15ltr, static holding time: 28, no of canisters.</li> <li>4. Warranty on system should be minimum 2 years from the date of Installation and commissioning.</li> <li>5. List of installations and satisfactory performance report should be provided.</li> <li>6. The equipment quoted must not be end of sale equipment. Accordingly latest models of the equipment may be quoted.</li> </ol>	1	Karnal (Haryana)
7	<p><b>Horizontal gel electrophoresis along with power supply</b></p> <ol style="list-style-type: none"> <li>1. Equipment should have specifications equivalent or better than mentioned below.</li> <li>2. Horizontal, submarine mini gel electrophoresis system.</li> </ol>	1	Karnal (Haryana)

	<ol style="list-style-type: none"> <li>3. Should be supplied complete with all components needed for agarose electrophoresis of nucleic acids along with power supply.</li> <li>4. The gel tank should be molded for leak proof performance</li> <li>5. UV transparent gel running tray</li> <li>6. Gel running tray 100 x 70 mm</li> <li>7. Gel casting tray for 100 x 70 mm</li> <li>8. Acrylic comb mini 8 well 1.5 mm</li> <li>9. Additional compatible gel trays, combs and casting sets etc. should be available.</li> <li>10. Compatible Power supply ( Approximate: Input Voltage Universal, 100V-240V, 50 Hz, Output Voltage Selections 10V to 150V, 10 to 400 mA),Timer 0 to 99 hours or continuous. Should give audio visual alarm on completion of run.</li> <li>11. Warranty on system should be minimum 2 years from the date of Installation and commissioning.</li> <li>12. List of installations and satisfactory performance report should be provided.</li> <li>13. The equipment quoted must not be end of sale equipment. Accordingly latest models of the equipment may be quoted</li> </ol>		
8	<p style="text-align: center;"><b>UV/VIS Spectrophotometer:-</b></p> <ol style="list-style-type: none"> <li>1. Equipment should have specifications equivalent or better than mentioned below.</li> <li>2. Should be suitable for nucleic acid analysis.</li> <li>3. True double beam hollow graphic grating 1200 lines/mm</li> <li>4. Wave length range etc should be approximately around: <ul style="list-style-type: none"> <li>• Wavelength range : 190-1100nm</li> <li>• Stray light less than 0.02%.</li> <li>• Wavelength Setting: 0.1 nm</li> <li>• Wavelength accuracy: +/- 0.1 nm</li> <li>• Wave length repeatability : +/- 0.1 nm</li> <li>• Baseline Stability: 0.0004 Abs/h</li> <li>• Noise level: 0.00005 Abs at 500 nm</li> <li>• Variable Bandwidth from 0.5, 1.0, 2.0 &amp; 4.0.</li> <li>• Photometric range should be -0.3 to + 3 Abs</li> </ul> </li> <li>5 System should come with software for taking readings calculations etc.</li> <li>6 Should be supplied with minimum one Pair of cells 10mm Quartz, dust Cover etc.</li> <li>7 Should be imported.</li> <li>8 Onsite operation training and demonstration should be provided after installation.</li> <li>9 Warranty on system should be minimum 2 years from the date of Installation and commissioning.</li> <li>10 List of installations and satisfactory performance report should be provided.</li> <li>11 The equipment quoted must not be end of sale equipment. Accordingly latest models of the equipment may be quoted.</li> </ol>	1	Karnal (Haryana)

9	<p><b>Ultra Pure Water System</b></p> <ol style="list-style-type: none"> <li>1. Equipment should have specifications equivalent or better than mentioned below.</li> <li>2. System should be microprocessor controlled with continuous water purity monitoring. System should have unique integral recirculation ensures optimum water quality at point of dispense. Purification step involving two stage for purification.</li> <li>3. Product water resistivity and temperature are measured before dispense and indicate when the purification pack needs to be replaced. System should have on-line monitoring for Resistivity or Conductivity and TOC etc.</li> <li>4. Reverse Osmosis module should be : <ul style="list-style-type: none"> <li>• Two Stage with intuitive display control Panel.</li> <li>• Flow rate should be approximately around 15 L/hour</li> <li>• Must have a Sanitization Port for cleaning and sanitizing the RO membranes.</li> <li>• Should have display indicating the RO Permeate Purity, Permeate Water temperature etc.</li> <li>• The RO System should have safety features like Power fail-safe alarm, Automatic level controls for Feed Booster Pump Auto-Trip, Auto restart facility etc.</li> <li>• The recovery rate be more than &gt; 55%.</li> <li>• Water tank of around 10-25 Liter capacity should be provided or integrated with the system.</li> </ul> </li> <li>5. Ultra Pure module should be <ul style="list-style-type: none"> <li>• Complete Automatic sanitization to be completed in less than 1 hour to return the system back to normal functioning for the daily water usage.</li> <li>• Nuclear grade ion exchange or equivalent resin, Photo-Oxidation dual wavelength UV</li> <li>• Ultra-filter 5 K d (5000 Dalton) with a life of minimum 2 years.</li> <li>• Complete System should be provided with a carbon filter and micron filter etc. along with housings to take care of the suspended particle load in the feed water.</li> </ul> </li> <li>5. Product flow rate Up to 1.2 L /min or better</li> <li>6. Water Purity: <ul style="list-style-type: none"> <li>• Resistivity at 25°C 18.2 MW-cm</li> <li>• TOC &lt; 5ppb or better</li> <li>• Bacteria &lt;1CFU/mL or better</li> <li>• Bacterial endotoxin &lt;0.001 EU/mL or better.</li> <li>• DNase- RNase free.</li> </ul> </li> <li>7. Full validation documentation should be provided with the offer.</li> <li>8. Should be imported.</li> <li>9. Onsite operation training and demonstration should be provided after installation.</li> <li>10. Warranty on system should be minimum 2 years from the date of Installation and commissioning.</li> </ol>	1	Karnal (Haryana)
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	<p>11. List of installations and satisfactory performance report should be provided.</p> <p>12. The equipment quoted must not be end of sale equipment. Accordingly latest models of the equipment may be quoted.</p>		
10	<p><b>Laboratory Band Hammer Grinder</b></p> <ul style="list-style-type: none"> <li>• Micro Switched based system with High Grinding speed (10000-19000 rpm) for the grinding of grains, seeds cereals and forage, feed etc</li> <li>• Turbine and sieve</li> <li>• Grind sample with 10-50% moisture &amp; upto 20% fat</li> <li>• Capability to grind sample size upto 10mm to 12 mm</li> <li>• Grinding &gt; 1-4 gm/sec</li> <li>• No thermal degradation of sample</li> <li>• Adjustable particle size 1mm to 1/16 mm and 125 ml bottle and seal</li> <li>• Low Noise label &lt; 75-80 dba</li> <li>• Appoved by AOAC</li> <li>• Warranty of one year from the date of Installation and commissioning.</li> </ul>	1	Lucknow (Uttar Pradesh)
11	<p><b>High Performance Liquid Chromatograp(HPLC)</b></p> <p>The System should have following features:</p> <ol style="list-style-type: none"> <li>1. <u>Solvent System (Integrated high pressure Binary Gradient HPLC)</u> <ul style="list-style-type: none"> <li>• Pumping Technology : Dual Piston Design Type for robust &amp; trouble free operation</li> <li>• Flow Rate : 0.001 to 10ml/min or more and upgradable upto 20ml/min for each</li> <li>• Pump or more with 1% precision upgradable to semi prep analysis.</li> <li>• Pressure limit : 5500 P SI &amp; upper &amp; lower limit programming facility</li> <li>• Control : Software controlled</li> <li>• Gradient Facility : Binary gradient, Desirable : eleven gradient j automatic</li> <li>• Programming facilities inbuilt or equal mechanism</li> </ul> </li> <li>2. <u>Manual Injector Rheodyne with sample loops of 20 ul,50ul,100ul, 500ul capacity</u></li> <li>3. <u>UV Detector :</u> <ul style="list-style-type: none"> <li>• Wavelength Range : 190-600 nm or better.\</li> <li>• Wavelength Accuracy : <math>\pm</math> 1nm or better.</li> <li>• Light Source : Deuterium Arc Lamp with 2000 hr warranty</li> <li>• Flow cell Design : Reversed Taper Beam or better</li> <li>• Flow Cell : Standard</li> </ul> </li> </ol>	1	Jaipur (Rajasthan)

	<ul style="list-style-type: none"> <li>• Linearity Range : <math>\leq 5\%</math> at 2 AU propylparaben, 257 nm or better</li> <li>• Baseline Noise (single Wavelength): <math>&lt; 1 \times 10^{-5}</math> AU or better</li> <li>• Drift : <math>1 \times 10^{-6}</math> AU /Hour or better</li> <li>• Data acquisition Rate : upto 50Hz or better</li> <li>• Lamp Optimization Software: Required</li> </ul> <p>4. <u>Data Manager Software (original Licensed software):</u></p> <p>Should provide fundamental data platform for acquiring, analyzing, managing distributing chromatography software. Functionality should include spectral &amp; chromatographic capabilities, quantification &amp; system control.</p> <p>Software should be capable of following : Full control of Detector &amp; other Peripherals</p> <p>5. <u>Column:</u></p> <p>RP – C18-05 <math>\mu\text{m}</math> 250 mm x 4.6 mm 2 Nos.  RP – C18-05 <math>\mu\text{m}</math> 150 mmx 4.6 mm 1 No.  RP – C8-05 <math>\mu\text{m}</math> 250 mmx 4.6 mm 1 No.  Silica – 05 <math>\mu\text{m}</math> 250 mmx4.6 mm 2 Nos.  Silica -05 <math>\mu\text{m}</math> 150 mmx4.6 mm 1 No.</p> <p>6. <u>Branded Computer (Preferably HP)</u> with 17" TFT Monitor, Key board and mouse, coloured Laser Printer.</p> <p>Online UPS 3 KVA (earth arrester) with 2 hrs. back up.  Onsite Training for operations and trouble shooting of system.  Warranty : Two years with AMC for Seven Years.</p> <p>7. Regasser in line</p> <p>8. Warranty on system should be minimum 2 years from the date of Installation and commissioning.</p>		
12	<p><b>Electronic Pipette :</b> Volume can be changed by touch of one button all function menu driven Electronic tip ejector button which is patented up to 100 times . Pipettes slower part Autocleave. The lower parts can be removed easily without a tool. Handle made up of polypropylene it is one of the best resins in terms of steam, sterilization and chemical resistance. Has 9-speeds for aspirating &amp; dispensing. The tip ejection is automatic with press of button should have built in error-control for more reliable results. The pipettor controls &amp; monitors piston movement in real time. If an error occurs while pipetting patented DC motor concept with solenoid brake with NiMH battery which offers 4500 full strokes 6- Memory places for the pipetting protocols. manual pipetting mode AC adapter CE certified as per Medical Device Directive (93/52/EEC)&amp;IVD Directive (98/79/EC/ Aarticle-1 user friendly programming. Pipetting Reverse</p>	7	Jaipur (Rajasthan)



	<p>pipetting pipetting with mixing pipetting with cycle counter Manual pipetting Diluting Diluting with Mixing pipetting with cycle counter Manual pipetting Diluting Diluting mixing sequential Dispensing Auto Multi Dispensing Multi Aspirating 6- Memory places for storing pipetting protocols 9- speeds for aspiratoion &amp; dispensing .</p> <table border="1"> <thead> <tr> <th>Vol Range</th> <th>Numbers</th> </tr> </thead> <tbody> <tr> <td><b>0.2-10ul</b></td> <td>2</td> </tr> <tr> <td><b>5-100 µl</b></td> <td>2</td> </tr> <tr> <td><b>50-1000 µl</b></td> <td>2</td> </tr> <tr> <td><b>100-5000 µl</b></td> <td>1</td> </tr> </tbody> </table> <p>Enclose brochure. Free calibration and suitable warranty of one year from the date of Installation and commissioning.</p>	Vol Range	Numbers	<b>0.2-10ul</b>	2	<b>5-100 µl</b>	2	<b>50-1000 µl</b>	2	<b>100-5000 µl</b>	1		
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13	<p><b>Decalcifier</b> : Suitable for use for decalcification of the bone tissue by electrolytic action for easy and precise DNA isolation. Through the combination of heat &amp; fluid agitation, this instrument provide a method of decalcifying bone in Preparation for DNA isolation Decalcification should be completed for significantly reduced time. Basket movement should be provided by an electric motor, which raises &amp; lowers the basket and concurrently rotates it at slow speed for through solution action. With A heating jacket vessel in the base of the support-stand heats the solution. An electric energy regulator/control box should be fitted on the stand for easy operation at 220 V, single phase, 50 Hz, AC supply. Working demonstration and warranty on system should be minimum one year from the date of installation and commissioning.</p>	1	Jaipur (Rajasthan)										
14	<p><b>Digital Oven</b> : Microprocessor controlled ,Fully Automatic, Bench top.  Loading capacity: 14 x 250 ml flask min.  Chamber Volume: 23 Liter, Door: Front / Top  Interior: Stainless steel Interior.  Temperature Range: 60°C to 137°C.  Temperature working range: 105 °C to 137°C  Control Panel: Fully Automatic Microprocessor controlled.  Temperature setting with degree accuracy.  Pressure: 0-230 kPa,Max. Working Pressure: 276 kPa  Heating Perf: 2.4 KW.,Operating Voltage: 230 Volt.  Chamber size: 51 x 54 x 36 mm  Warranty on system should be minimum one year from the date of installation and commissioning</p>	1	Jaipur (Rajasthan)										
15	<p><b>Deep freezer – 40dec.</b> : Temperature Range- 30 to - 40° Freezer  Volume- 300- 400 Ltr.  Single compressor - low noise, low energy consumption, low heat dissipation  100 % HCFC/CFC free  Digital display with 72 hours battery back up for alarms and display</p>	1	Jaipur (Rajasthan)										

	<p>Visual and acoustic alarm  Power failure alarm  Temperature alarm, adjustable, high, low  Pre-painted galvanised steel exterior  PVC coated steel interior  Door Lock  Loading Capacity 1100 x 442 x 650mm  Temperature -30/-50  Control Panel Digital  Door Top  Refrigerant 100% HCFC/CFC Free Voltage 230V 50/60Hz  Dimensions 1260 x 695 x 885mm  Warranty on system should be minimum one year from the date of installation and commissioning</p>		
16	<p><b>Ice flacking machine</b> – Small compact Table Top Ice Flaking Machine  Production Capacity: 30 Kg/ 24 hours or more.  Bin capacity: 10 Kg. Or more.  Fully Automatic single switch operation.  Cabinet made of Stainless Steel 304.  Bin made of stainless steel 304.  Leak proof refrigeration system.  Refrigerant R 404A.  Evaporation Temperature: -13°C to ± 2°C.  Air Cooled Condenser.  Granular &amp; Dry Ice of different sizes Micro, small &amp; standard.  Noise level 47 dBA, Safety features Low water pressure cut off, Bin full cutoff, low refrigerant cut off etc., Overload protection  Automatic Restart, Separate circuit for Refrigeration and water. , No moving part in the refrigeration circuit of evaporator.  With filter and hygiene accessories  Warranty on system should be minimum one year from the date of installation and commissioning</p>	1	Jaipur (Rajasthan)
17	<p><b>Microscope</b> should have three Step focusing (Coarse/Medium/Fine) system. Microscope should have facility to accumulate 6 objective OR 6 objective nosepiece. Good quality Objective PLAN 5x, 10x, 20x ,40x and 100x oil with Eyepiece of 10x, Microscope should have Height adjustable focus knobs. Capability to change the focus knob assembly from one side to another of the microscope and One hand focus and stage control.  Microscope optics with property of Harmonic Component System(HCS) with facility of Bright field Dark field and Fluorescence.  Fluorescence filter blocks with “Zero Pixel Shift” to prevent shifting of Image with standard filters for fluorescence. Trinocular tube with ergonomic viewing angle and beam Splitting facility. Heat compensated to prevent focus shift. Facility of drawers for easy lamp exchange.</p>	1	Jaipur (Rajasthan)

	<p>Illumination system for transmitted light should have white Halogen light source.</p> <p>Illumination system for Fluorescence should have Mercury light source for fluorescence along with its all accessories.</p> <p>Ultra Hard Ceramic microscope stages. Metal designed fluorescence axis.</p> <p>High resolution dedicated digital microscope camera with sw kit, Firewire-B connection, resolution atleast 5Mpixels, active cooling delta for reduced noise / improved image quality, 2/3" CCD sensor, colour filters, min. exposure time, fast live image</p> <p>Software capable for - Linear distance, Curved length, Area, Angle, Count, Grey level measurement. 2D and 3D Image Montage Software should provide advanced, versatile features for producing excellent images should be quoted. Image recording media, image capturing facility, video capturing (setting by time), Measuring functions with easy calibration process, measuring possibilities by length, area (elliptical, rectangular and irregular shapes), combination of two different images with different methods, auto calculation.</p> <p>All the system like microscope, software and digital camera should be from the same manufacture for better compatibility and future up gradation with at least three years of AMC.</p> <p>Supplier should provide branded Laptop system with minimum specification of Intel core i3 processor , 4GB RAM, 320 GB Hard disk , two parallel serial port , 4 USB Port with good quality of printer , UPS and good quality wooden table and adjustable revolving cushioned chair with other pre-installation requirements.</p> <p>Warranty on system should be minimum one year from the date of installation and commissioning</p>		
18	<p><b>Halogen bulb -</b>, White light Halogen light source compatible with existing Olympus BX 50 microscope.</p>	1	Jaipur (Rajasthan)
19	<p><b>Dark field phase contras attach -</b> Microscope optics with property of Harmonic Component System (HCS) with facility of Bright field Dark field and Fluorescence. U.V Protective shield, filters etc. compatible with existing Olympus BX 50 microscope.</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>	1	Jaipur (Rajasthan)
20	<p><b>Software for recording microscoping imagine-</b>, High resolution dedicated digital microscope camera with sw kit, resolution atleast 5Mpixels, active cooling delta for reduced noise / improved image quality, 2/3" CCD sensor, colour filters, min. exposure time, fast live image.</p> <p>Software capable for - Linear distance, Curved length, Area, Angle, Count, Grey level measurement. 2D and 3D Image Montage Software should provide advanced, versatile features for producing excellent images should be quoted. Image recording media, image capturing facility, video capturing (setting by time), Measuring functions with easy calibration process, measuring possibilities by length, area.(elliptical, rectangular and irregular shapes), combination of two different images with different methods, auto calculation.</p>	1	Jaipur (Rajasthan)

	warranty on system should be minimum one year from the date of installation and commissioning		
21	<b>Morotrisge wood microtom</b> – Section thickness setting 0.25 to 100 micro m, trim step setting 1- 600 micro m, specimen retraction programmable from 0- 100 micro M, 6 different sectioning modes, variable sectioning speed, precision specimen orientation with zero point reference, vertical specimen stroke length of 70 mm, speed control through sectioning window, intuitive control panel and user interface section thickness indicator, trimming thickness indicator. Automatic, variable specimen retraction on the actual sectioning speed. Warranty on system should be minimum one year from the date of installation and commissioning	1	Jaipur (Rajasthan)
22	<b>Electronic balance</b> – with weighing capacity of mini mum one milligrams , digital display, auto calibration Warranty should be minimum one year from the date of installation and commissioning	1	Kota (Rajasthan)
23	Microscope should have three Step focusing (Coarse/Medium/Fine) system. Microscope should have facility to accumulate 6 objective OR 6 objective nosepiece. Good quality Objective PLAN 5x, 10x, 20x ,40x and 100x oil with Eyepiece of 10x, Microscope should have height adjustable focus knobs. Capability to change the focus knob assembly from one side to another of the microscope and One hand focus and stage control. Illumination system for transmitted light should have white Halogen light source. Immersion oil, dust cover etc. Ultra Hard Ceramic microscope stages with other pre-installation requirements and at least three years of AMC. <b>OPTIONAL</b> High resolution dedicated digital microscope camera, resolution at least 5Mpixels. Software capable for - Linear distance, Curved length, Area, Angle, Count, Grey level measurement. 2D and 3D Image Montage Software should provide advanced, versatile features for producing excellent images should be quoted. Image recording media, image capturing facility, video capturing (setting by time), Measuring functions with easy calibration process, measuring possibilities by length, area (elliptical, rectangular and irregular shapes), combination of two different images with different methods, auto calculation. All the system like microscope, software and digital camera should be from the same manufacture for better compatibility and future up gradation. Supplier should provide branded Laptop with minimum specification of Intel dual core or core i3 processor , 2-4 GB RAM , 320 GB Hard disk , two parallel serial port , 4 USB Port with good quality of printer , UPS. Warranty on system should be minimum one year from the date of installation and commissioning	1	Kota (Rajasthan)
24	<b>Electronic Pipette:-</b> Micropipette autoclavable with removable lower shift for easy cleaning corrosion resist ant, quartz piston, digital	3	Kota (Rajasthan)

	<p>reading with recalibration, features as per ISO &amp; GLP guide lines, separate fictional keys, volume, pipetting keys tip injector with clear digital display, easy &amp; convenient single hand. Variable volumes 100 to 1000ul (increment 5.0ul 1). 1 to 5ul (increment 0.05ul), 0.5 to 10 ul (increment 0.1 ul)</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>		
25	<p><b>Electronic Balance:-</b> Multifunction laboratory analytical precision semi micro balance (5<sup>th</sup> Decimal point) with graphic. Weighing range 220 gram (up to 5<sup>th</sup> decimal point) Readout: Up to 60 gm 0.01 mg 60-220 gram 0.01mg. Reproducibility: 0.1mg, up to 60gm 0.02 mg, 60 internal calibration, Draft shield made of glass with metal, 3 side openings, Extensive memories. Suspended weighing : Load support with hook on the underside of the balance</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>	1	Kota (Rajasthan)
26	<p><b>Computerized projectile velocity measurement equipment –</b> Principal for measurement and portability : two optical gates moveable to any place (LED Diode System IR Based sensor long life) Measuring base for velocity : 1000 mm caliber range: 4-40 mm . Velocity range : Min 10 m/s Resolution for velocity : 0.2m/s. Velocity accuracy : 0.2% Rate of fire range : 0.5 - 3000 rpm. Resolution rate of fire : 1rpm. Safe passage area: 950x 880 (H*W) effective Sensor : Rectangle active Area (700x900) Trigger Modes rise/fall edge (=nose /base). Working temperature: from +5°C to 50°C . Air humidity: max. 80% non condensing Altitude: max: 2000m. Power: 230VAC 50Hz, max 30 VA Dimensions (approx) 1000 X (1350 TO 1850) X 1070MM (W x H x L). Calibration : No calibration required or at least one year . Interface: 10/100 Ethernet, WiFi (IEEE 802.11b), RS232</p> <p>Note Book:/Laptop: (1) Intel Process i3 (2) Memory 2 GB Ram. (3) Hard Dost 320 GB (4) 14 inch Display (5) DVD rom R + Write. (6) Printer Laser Colour (7) Operating XP/window 2007 (8) BMS software English version.</p> <p><b>Other requirement :-</b> A/C 1.5 Ton split (5 star rating). Cabin 10 ½' x 10 ½' x 10 ½' (Aluminium &amp; glass) Instrument table- one, Chair – three).</p> <p><b>Terms &amp; condition</b> : Free maintenance : 03 year. Free warranty : 03 year . Free service on information within 3 days.</p>	1	Kota (Rajasthan)
27	<p><b>Comparison microscope (Computerized) with UPS 2KVA an essential equipment –</b> Bridge : Comparison Bridge with high quality optics including a knife edge Mask Adjuster to easily allow for direct comparison of samples. The Mask Adjuster allows for sample views from 100% right to 100% left or any variation in-between.</p> <p>Microscope : Macro zoom optical body with 16:1 zoom ratio that provides fourteen NIST traceable matched magnification clicks stops. 1 x Plan Apochromat Objective with a continuous parfocal magnification range of 6 x – 100x, 60 mm working distance, and 0.15 Numerical Aperture.</p>	1	Bikaner (Rajasthan)

<p> Eyepieces : Focusable 10 x eyepieces with adjustable numbered diopters.  Focusable 10 x crosshair Eyepiece for position reference with LCD scale.  Binocular : Tilting binocular observation tube with variable eyepiece inclination from 5 to 35 , adjustable interpupillary distance adjustment 50mm – 76mm.  Camera Port : Side camera port adapter with a two position light path selector: 100% observation, or 20% observation – 80% camera.  Table : Bridge support on a motorized “Z” column including “Object roll off” protection edge, single rigid piece of Aluminum to reduce vibration, 5.4 inch (137 mm) Z column travel, and motorized table height adjusts work surface from 26-43 inch (660-1092 mm).  Work Station : Independent Horizontal coaxial control X-Y stage that includes an LCD measuring scale, inch/metric, with certified NIST traceable .0005”/0.1 mm resolution.  Universal Holder : Universal Manipulating Bullet/Shell Holder which uses Delrin fingers to prevent sample damage that can handle sample sizes from 0.030 inch wire upto a 10 gauge shotgun shell without the need for additional adapters or brushes.  Sample Holders : Ball pivot vise with 1 inch Delrin jaws to prevent sample damage that includes a variable friction clutch to provide a tiltable control up to 33 .  Set of 5 pin mount pairs of varying size wax mounts including an easy access storage holder which mounts on the LCF column.  Reflected light doc holder with stage clips.  Ball Pivot positioner with variable friction clutch providing a 4 inch surface that is tiltable up to 45 .  Fiber Optic Lighting : 150 W Halogen fiber optic light source with built in IR heat filter for cool illumination and iris diaphragm for intensity control without affecting color temperature.  Column mounted dual 18” gooseneck light guide with 30” flexible fiber bundle long life.  Focusing Spot Lens.  Diffused Spot Lens.  Miscellaneous : 12” shelf and swivel arm.  16” shelf and arm with 20” column.  Monitor mounting arm.  Anti-vibration feet.  Leg mount for PC.  Keyboard tray, arm and mount.  Step down transformer (240V – 120V).  1500 W/1350 VA Uninterruptable power supply with table leg mount.  Camera : Insight 4 mega pixel color mosaic, 2048x2048 (4.0 mega sample) image capture.  Software : Latest Forensic imaging software which allows for live image preview, calibrated measurements, and image annotation which can be translated into many languages. Flat Screen, DVD Rom R + Write, Printer Laser (Colour), Scanner, 2 KVA UPS, Computer 19” </p>		
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	<p>LCD Display, Intel Process, Memory 2 GB Ram, Hard Disk 320 GB, USB Port, Graphic Card (3D), Operating System Window XP/Window 2007, BMS Software, English Version. Temperature controlling device for requirement of instrument.</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>		
28	<p><b><u>Gas Chromatograph With FID PC</u></b></p> <ul style="list-style-type: none"> <li>• <b>GC Control</b> <ul style="list-style-type: none"> <li>- Four-line display plus LCD display to provide all needed data, including all temperature and pressure/flow parameters, type of carrier gas, carrier gas column pressure, flow rates, split flow, detector gas flow rates and all detector parameters</li> <li>- Automated system leak check</li> <li>- The system should be capable to store up to ten methods and ten automated sequences</li> <li>- Non-active methods can be edited during a run for enhanced flexibility</li> <li>- It should have in built base line correction.</li> </ul> </li> <li>• <b>Column oven</b> <ul style="list-style-type: none"> <li>- The column oven must have an operating range of -99°C to 450°C using the optional sub ambient oven accessory (with liquid nitrogen as coolant)</li> <li>- Heat-up time from 50°C to 450°C within 7 minutes (230 VAC version)</li> <li>- Cold-down time from 450°C to 50°C within 5.0 minutes</li> <li>- The oven temperature stability should be within 0.05% of actual temperature</li> <li>- It should have minimum 7 ramps with heating rate of at least 100 deg/min for column oven</li> <li>- It should have minimum 12 litres volume to accommodate two capillary /packed columns.</li> </ul> </li> <li>• <b>Pneumatic compartment</b> <ul style="list-style-type: none"> <li>- The digital pressure and flow controller must be able to control and program pressures and flows in up to two independent carrier gas lines</li> <li>- The digital pressure and flow controller must be able to operate in Constant Flow, Constant Pressure, Programmed Flow, Programmed Pressure &amp; Pressure Surge Modes</li> <li>- The electronic control of the detector gases must be able to feed different detectors without changing electronics</li> <li>- The pneumatics should be UP TO 1000 KPA to support ultra narrow bore columns of 0.1mm id.</li> </ul> </li> <li>• <b>Split/splitless injector</b> <ul style="list-style-type: none"> <li>- The injector must be able to operate with capillary, wide bore and packed columns</li> <li>- The injector should feature an optimized, modular thermal profile for split and splitless injection</li> <li>- The inlet chamber design has to avoid the contact of the sample with hot metal surface</li> </ul> </li> </ul>	1	Jaipur (Rajasthan)

<p>- The injector must permit <i>large volume splitless</i> injection (up to 50 microliters) without requiring pressure pulse to quantitatively recover the whole sample, and without any further h/w requirement</p> <p>- The injector must allow timed closure/opening of the purge line</p> <p>- The Maximum Temperature should be up to 400°C.</p> <ul style="list-style-type: none"> <li>• <i>Packed column injector</i> This injector accepts ¼”, 6mm and 1/8” OD metal and 6mm OD glass packed columns. It allows for sample vaporization injections. The injector can be heated in the range of 50°C to 400°C in 1°C increments. Wide bore capillary columns may be easily installed by using a dedicated adapter and same is to be supplied with injector.</li> </ul> <p><i>Flame Ionization Detector(2Nos)</i></p> <p><b><i>System should have flameout detection and timed programming capability.</i></b></p> <p>Compatibility with the Ultra Fast GC options featuring Data acquisition frequencies of 300 Hz.Linear range: better than 10<sup>7</sup> (with micro-packed and packed columns) Minimum detectable amount (with makeup gas): 2x10<sup>-12</sup> gC/sec Operating temperature limits: 450°C with standard ceramic flame jet</p> <p><b>Software :</b></p> <p>The software should be windows based, fully digital, 32 bit to control the GC &amp; also acquire &amp; process the data from the GC.</p> <p>It should be able to acquire data from all the three detectors simultaneously in three different channels.</p> <p>It should have various calculation Methods like % Area, Corrected area, External Standard &amp; Internal Standard etc.</p> <p>It should have facility to view real time chromatograms, overlay chromatograms, view calibration curves, sample table, addition &amp; subtraction of chromatograms, baseline correction, etc.</p> <p>Create &amp; Store various GC Methods, Auto sampler &amp; Head Space Methods and also Analysis Methods.</p> <p>It should have facility for :</p> <ul style="list-style-type: none"> <li>Long file names</li> <li>Icon bar in all windows</li> <li>Simplified Tab method editor</li> <li>Wizard method editor</li> <li>Easy to use report publisher</li> <li>GLP and audit trail</li> <li>Data export to ASCII, Excel, HTML formats</li> <li>Full digital control of GC instrument parameters method as well as auto sampler parameters method.</li> </ul> <p><b>The GC should be upgradable to MS(Single/Triple Quadruple), third detector,Autosampler,Head space sampler in future.</b></p> <p><b>All the utilities like Gas Cylinders,PC,Printer, Gas Purification panel, instrument table &amp; chair should be offered with GC.</b></p> <p><b>The system should be quoted with 2 Years warranty and 3 years</b></p>		
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	<p>free service.  <b>Packed Columns :2 Each-For petroleum products, kerosene, diesel etc.</b>  <b>Please quote separately spares and consumables for 2 years operation.Please give list of spares and consumables with quantity.</b>  <b>User List (Minimum of 50 nos in India)with contact details.</b>  <b>7 days training program at our lab</b>  <b>Compliance statement with original brochure and specification sheet showing tender specifications</b></p>		
29	<ul style="list-style-type: none"> <li>• <b>UV VIS Spectrophotometer</b> Double-beam geometry.</li> <li>• Precision monochromator drive to deliver fast scanning data collection and wavelength accuracy</li> <li>• Wide accessory selection should be available with various temperature control options, sample changers, sippers and solid sampling devices complete our analysis.</li> <li>• Color, touch screen along with PC Control providing instrument control using built-in computer Integrated keypad</li> <li>• Spectral Band width : 1.0 mm</li> <li>• Light Source: <b>Xenon flash lamp</b> with minimum 2 - 3-year warranty (2 Nos)</li> <li>• Detector: Dual Silicon Photodiodes</li> <li>• Scan Ordinate Modes: =Absorbance, %Transmittance, % Reflectance, concentration.</li> <li>• Resolution: &gt; 1.5 (peak-to-valley ratio; toluene in hexane)</li> <li>• Sample Compartment : Thermo stated 7 Cell changer</li> <li>• Range :190 to 1100 nm</li> <li>• Accuracy: <math>\pm 0.7</math> nm (full range 190 to 1100 nm) <math>\pm 0.5</math> nm (546.11 nm mercury line)</li> <li>• Repeatability : <math>\pm 0.1</math> nm</li> <li>• Response speed : Fast, standard, slow.</li> <li>• Scanning Speed: &lt; 1 to 5000 nm/min, variable</li> <li>• Photometric Range: &gt; 3.5 A</li> <li>• Noise: &lt; 0.00015A</li> <li>• Stray light: &lt; 1% T in KCL.</li> <li>• Display should be Touch screen LCD with true color display with built in memory minimum 250 GB.</li> <li>• Installation accessories like Branded PC with software (Dual core/IP3/IP4, 2 GB RAM, 320 GB Hard disc , DVD RW, 17" monitor (TFT), Genuine window 7 Professional, multimedia keyboard, Optical mouse, 15 month branded antivirus) 5 KVA online UPS with minimum 30 min back – up Monochrome Laser printer, Instrument table for instrument and accessories along with revolving chairs (Four) for operation of instrument</li> <li>• Quartz Cell – 10mm – 3ml capacity – 5 Pairs.</li> <li>• Room temperature controlling Device (branded) with remote facility ( 2 Ton, wall mounting)</li> </ul>	1	Jodhpur (Rajasthan)

	<ul style="list-style-type: none"> <li>• Training &amp; Installation at our site should be done free of cost upto end users satisfaction.</li> <li>• Warranty for 3 years and 2 years AMC should be quoted.</li> </ul>		
30	<p><b>Cyber Forensic tools with accessories-</b> Portable, independent field data capturing &amp; imaging device. ( <b>One</b> ) Should be able to concurrently Capture, Validate (MD5 &amp; SHA256) &amp; Search (unlimited keywords at a time) at speed up to 7 GB/min. Should be able to acquire data from IDE, SATA, SCSI, SAS and USB drives with drive spanning facility to capture one large source drive to two small evidence drives. Should be able to capture RAID configured hard disks (RAID 0, 1 &amp; JBOD) data to destination 1 or destination 1 and 2. Firmware version of the unit should be displayed in log file. Should have inbuilt write protected flash card reader for direct capturing of flash media (SD/MMC, SmartMedia, CF, MemoryStick) Should be able to make Mirror, DD and Encase image (E01) with below mentioned capturing abilities. Source 1 to Destination 1 Source 1 to Destination 1 &amp; Source 2 to Destination 2 Source 1 to Destination 1 &amp; Destination 2 RAID to Destination 1 RAID to Destination 1 &amp; Destination 2 Flash Media to Destination 1 Flash Media to Destination 1 &amp; Destination 2 Should have Dual wipe and Dual DoD wipe function to wipe two destination drives simultaneously. Should have internal flash memory for storing keyword list, software updates and process reports. Should have inbuilt physical QWERTY keypad for typing the keywords and log file. Should be able to capture data from DCO and HPA areas of hard drive. Should have the password based security system to protect evidence drives from unauthorized access. Should have USB &amp; FireWire port to directly connect the unit in write protected mode with an external computer for analyzing the captured data immediately without the need of any write protect device. Should have the capability to capture the laptop or desktop hard drive through USB &amp; FireWire port without removing the drive from machine. Should have the capability to re-authenticate of process report through audit trail feature. Should have the Proprietary O/S for eliminating the vulnerabilities related to viruses, worms, etc. Should have capability to unique slide in design for evidence drives which enables the forensic examiner to connect the SATA destination drives without cables. Should have inbuilt two parallel ports for connecting portable printer and Global Positioning system. Should include save configuration setting that allows the operator to save frequent used capture settings. Settings will be saved from last capture session. Should support Gallery view option to quickly reveal all photographs and graphics files stored on hard drives and other media. Should support Timeline view option to provide an easily adjustable, graphical calendar-like display for file activity of particular interest. Should contain Full Unicode support to allow users to search text and fonts from any foreign country, and in any language. Should support acquisition Restart facility: continue a windows-based acquisition</p>	1	Jaipur (Rajasthan)

<p>from its point of interruption. Should do Image verification by cyclical redundancy checksum (CRC) and MD5 Should have Inbuilt support for writing scripts &amp; should contain pre-built scripts Should Support combining filters to create complex queries using simple “OR” or “AND” logic Should have facility to retrieve information from Active Directory Should have inbuilt windows event log parser Should have Inbuilt Link file parser to search in unallocated space Should have Inbuilt support for extraction of data from Compound (e.g., zipped) documents and file analysis. Should have native viewing support for ~400 file formats Should Meet the below mentioned criteria for searching: Unicode index search - search extracted text of docs, Binary search – search raw binary data, Proximity Search, Internet and email search, Case Sensitive • GREP • Right to Left Reading, Active Code Page: keywords in many languages, Big Endian/Little Endian, UTF-8/UTF-7, Search file slack and unallocated space Should Support Internet and Email Investigation for: Browser History Analysis, Internet artifacts, WEB History &amp; cache analysis, HTML carver, HTML page reconstruction, Kazaa toolkit, Instant Messenger toolkit - Microsoft®Internet Explorer, Mozilla Firefox, Opera and Apple Safari Should Include Email Support for: Outlook PSTs/OSTs (‘97–‘03) , Outlook Express DBXs,, Microsoft Exchange EDB Parser , Lotus Notes v6.0.3, v6.5.4 and v7, AOL 6.0, 7.0, 8.0 and 9.0 PFCs, Yahoo, Hotmail, Netscape Mail, MBOX archives, File systems: Windows FAT12/16/32, NTFS; Macintosh HFS, HFS+; Sun Solaris UFS, ZFS; Linux EXT2/3; Reiser; BSD FFS, FreeBSD’s Fast File System 2 (FFS2) and FreeBSD’s UFS2; Novell’s NSS &amp; NWFS; IBM’s AIX jfs, JFS and JFS with LVM8; TiVo Series One and Two; CDFS; Joliet; DVD; UDF; ISO 9660; and Palm Accessories ( <b>One</b>) Should provide up to 8TB of portable write-protected data storage in a 4 drive tray configuration Should be available with "O" drives (install your own hard disk drives) or in four "drive-populated" versions; 1TB, 4TB, 6TB and 8TB capacities Should support 3.5” SATA drives of up to 2TB each drive, arranged in a 2 or 4 drive configuration for a total capacity of up to 8TB It should work seamlessly with the Forensic Data Acquisition device. should store multiple evidence capture sessions to hard disk drives in a JBOD configuration Storage unit should have “always on” battery-powered display. Should allow the identification of contents by file/case names at a glance. Should have multiple cooling fans to protect the disks from overheating. Should allow direct connection of storage unit without need of capturing device to PC for previewing or transferring data via inbuilt write-protected firewire 400, USB 2.0 or eSATA port. Should have centralized Access Control to Increase Security. Should support Data transfer rate at speed up to 5GB/min. Hardware unit should have the capability for live capturing feature to capture a snapshot of what is currently running in the suspect computer volatile memory at the time of acquisition without need of forensic analysis software. Should be capable of being configured as a “client” for a network file system or as an actual network file system server.</p>		
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<p>Should allow to “push” evidence data to any workstation or storage device on the network using FTP, CIFS or NFS file access protocols. Should allow users to preview data or copy data to any other directory on the network. Should allow transfer evidence data to any workstation or storage device on the network using FTP, CIFS or NFS file access protocols. Should provide either remote verification (comparing MD5 hash values for each file transferred) or read-back verification (byte-by-byte comparison of each file)</p> <p>Should be able to format and wipe destination drives through networked Forensic Workstation. Should work with iSCSI protocol to view any hard drive stored in the storage unit as a physical drive in its native format from the network. Should have the capability to perform Administration functions such as establishing user names, passwords, manage access control, maintain credentials, set destination IP addresses and domain names. Should Supports ARP, IP, UDP, TCP, HTTP, ICMP, BOOTP/DHCO, DNS, MDNS, Telnet network protocols Should allow users to easily initiate preconfigured commands from the control panel of unit through “Macro” feature.</p> <p>Laptop ( <b>One</b>) Intel® Core™ i7-740QM Processor (1.73GHz, 4Core/8Threads, turbo boost up to 2.93Ghz, 6M cache), Genuine Windows® 7 Professional 64bit (English), 15.6 FHD (1920x1080) B+RGLED, 8GB Dual-channel 1333MHz DDR3 SDRAM (2x4G), 500GB 7200RPM Hard Drive, Tray Load Fixed Blu-ray BD-ROM / DVD + /-RW Combo Drive, 2GB NVIDIA GeForce GT 435M graphics with Bluetooth, Waves Maxx Audio V3.0 audio enhancements software, 9 Cell Primary Battery, 130W AC Adapter, Intel WiFi Link 6200 (802.11a/g/n) Half Mini-card, Backlit Keyboard with Touchpad (English), Targus Value Top Load DFD Carrying Case (15.6")</p> <p>Workstation ( <b>one</b>) Quad Core Processor Core i5-760, 2.80GHz, 8MB, Genuine Windows(R) 7 Professional 64bit (English), Trend Micro Worry-Free Business Security Service, MUI, 15 Months, WideScreen Flat Panel LCD Monitor (VGA, DVI-D with HDCP), 6GB (3x2GB) DDR3 SDRAM Memory, 1333MHz, NECC, 500GB SATA (7200RPM) Hard Disk Drive, 16X max SATA DVD+/-RW with Dual Layer Write Capabilities, 512MB PCIe x16 nVidia Quadro FX580, DisplayPort, DVI Capable, Creative PCI Express Sound Blaster X-Fi(TM) Xtreme Audio, 1505 wireless Networking LAN solution(Full height) – APCC, Power DVD and Roxio Creator Software (Factory Install without Media Kits), Resource DVD, T1500 H57, Genuine Windows(R) 7 Professional 64 Bits DVD Media Kit (English/Japanese)</p> <p>Printer (<b>One</b>) Print speed black (normal, A4) Up to 20 ppm Print speed colour (normal, A4) Up to 20 ppm Print quality black (best) Up to 600 x 600 dpi Print quality colour (best) Up to 600 x 600 dpi Print technology In-line colour laser printing technology Duty cycle (monthly, A4) Up to 40000 pages Recommended monthly page volume 750 to 2000 Standard memory 128 MB Maximum memory 384 MB</p>		
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	<p>Processor speed 540 MHz Paper handling Standard paper trays 2  Maximum paper trays 3 Paper handling standard/input 50-sheet  multi-purpose tray, 250-sheet input tray Paper handling  optional/input Optional 2nd 250-sheet paper tray Paper handling  standard/output 150-sheet face-down output bin Duplex print  options Automatic (standard) Media sizes supported Tray 1: A4, A5,  A6, B5 (JIS), 10 x 15 cm, 16K, envelopes (ISO DL, ISO C5, ISO B5),  post cards (Standard #10, JIS Single, JIS Double); Tray 2 and optional  Tray 3: A4, A5, A6, B5 (JIS), 10 x 15 cm, 16K, envelopes (ISO DL,  ISO C5, ISO B5), post cards (JIS Single, JIS Double) Custom media  sizes Tray 1: 76 x 127 to 216 x 356 mm; Tray 2 and optional Tray 3:  100 x 148 to 216 x 356 mm Media types supported Paper (bond,  brochure, coloured, glossy, letterhead, photo, plain, preprinted,  prepunched, recycled, rough), transparencies, labels, envelopes  Connectivity Standard connectivity Hi-Speed USB 2.0 port; built-in  Fast Ethernet 10/100Base-TX</p> <p>Dimensions and Weight Media weights by paper path Tray 1: 60 to  176 g/m<sup>2</sup> (up to 220 g/m<sup>2</sup> with HP laser glossy photo papers); tray 2,  optional tray 3: 60 to 163 g/m<sup>2</sup> (up to 176 g/m<sup>2</sup> with postcards, up to  220 g/m<sup>2</sup> with HP laser glossy photo papers) Product dimensions (W  x D x H) 405 x 484 x 322 mm Maximum dimensions (W x D x  H) 405 x 689 x 322 mm Product weight 23.9 kg Power and  operating requirements Compatible operating systems Microsoft®  Windows® 2000, XP Home, XP Professional, Server 2003, XP Media  Center, XP Professional x64; Windows Vista®; Mac OS X v10.2.8,  v10.3, v10.4 or higher Mac compatible Yes Power  requirements Input voltage 115 to 127 VAC (+/- 10%), 60 Hz (+/-  2 Hz), 12 A; 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz), 6 A Power  consumption (active) 445 watts Power consumption  (sleep) 6.7 watts Power consumption (standby) 18 watts Power  consumption (manual-off) 0.48 watts</p> <p>Warranty on the system should be minimum one year from the date of  installation and commissioning</p>		
31	<p><b>Power card for FT Raman</b> – Proprietary item to be fixed in the FT  Raman IR Model EQUINOX 55 with FRA 106/S  Warranty should be minimum one year from the date of installation  and commissioning</p>	1	Jaipur (Rajasthan)
32	<p><b>Fast block write blocker-</b> Write blockers for various hard disks IDE,  SATA, PATA, Scsi,USB with Analysis software. Should be able to  write protect IDE and SATA drives through single unit. Should have  SATA power converter cable Should have 3.5-inch HDD Protective  Plate Should come with Mouse Jiggler Should have Molex Power  Plug Removal Tool Should have Adapters for: 1.8-inch Toshiba ZIF  drive adapter 1.8-inch Hitachi ZIF drive adapter  2.5-inch laptop drive adapter 1.8-inch Toshiba drive adapter Disk On  Module drive adapter Multi-Card adapter (PCCARD drives, as used in  PCMCIA slots and PCMCIA adapters for Com Should come with one  cable each for 1394B FireWire cable 1394A FireWire cable USB A to  Mini B cable eSATA cable</p>	1	Jaipur (Rajasthan)

<p>Should come with all in a custom pelican case Accessories <b>(One)</b>  Should have two write-locked bays (IDE/PATA and SATA). Should come with two read/write SATA bays. Should provide the facility to write to SATA drives from write-locked IDE/PATA or SATA bays. Should have three SATA bays with tray free technology! Simply slide in a SATA drive and shut the door. • Should have separate key lock for all drive bays for additional security. • Should come with three shock absorbing SATA bays to offer drive protection. • Each bay should have independent dual FireWire 800 ports and single USB2 and eSATA ports. Attractive design takes up little desktop space. Strong metal bays and sturdy aluminum case provides excellent heat dissipation and rugged durability. Should come with heavy-duty handle allows for easy transport Should include adapter for 2.5" SATA drives Should come with pelican case Hard-shelled waterproof case for storing and carry up to 10 SATA or IDE 3.5" drives. Should come with 10 anti static drive cases for 3.5" drives. Should be able to erase hard drives 3.5" IDE and SATA drives and 2.5" SATA drives in DoD specification through hardware erasing unit.</p> <p>Workstation ( <b>one</b>) Quad Core Processor Core i5-760, 2.80GHz, 8MB, Genuine Windows(R) 7 Professional 64bit (English), Trend Micro Worry-Free Business Security Service, MUI, 15 Months, WideScreen Flat Panel LCD Monitor (VGA, DVI-D with HDCP), 6GB (3x2GB) DDR3 SDRAM Memory, 1333MHz, NECC, 500GB SATA (7200RPM) Hard Disk Drive, 16X max SATA DVD+/-RW with Dual Layer Write Capabilities, 512MB PCIe x16 nVidia Quadro FX580, DisplayPort, DVI Capable, Creative PCI Express Sound Blaster X-Fi(TM) Xtreme Audio, 1505 wireless Networking LAN solution(Full height) – APCC, Power DVD and Roxio Creator Software (Factory Install without Media Kits), Resource DVD, T1500 H57, Genuine Windows(R) 7 Professional 64 Bits DVD Media Kit (English/Japanese) Printer: (One) Copier Specification Copy Type BW Laser Copy Speed 23 / 24cpm (A4 / LTR) Copy Resolution Up to 600 x 600dpi Halftones 256 Levels Warm up Time 10secs. First Copy Time 9.0 / 8.7secs. (A4 / LTR) First Print Time 6.0 / 5.8secs. (A4 / LTR) Paper Source(s) 250-sheet cassette plus 1-sheet multipurpose tray Paper Weight 60 to 163g/m2 (cassette and multipurpose tray) Paper Output 100 sheets (face down) Zoom 25 - 400% in 1% increments Copy Size Platen: Up to A4 Copy Features Memory Sort, 2 on 1, 4 on 1, ID Card Copy Copy Memory 64MB (Shared) Printer Specification Printer Type BW Laser Print Speed 23 / 24cpm (A4 / LTR) Print Language UFR II LT Print Resolution 600 x 600dpi, 1200 x 600dpi quality Print Memory 64MB (Shared) Scanner Specification Scan Type CIS Scan Resolution Up to 600 x 600dpi (optical) 9600 x 9600dpi (interpolated) Colour Depth 24 bits Document Size Up to A4s Compatibility TWAIN, WIA PullScan Yes, USB Scan To PC Yes, USB Interface / Software Standard Interface(s) USB Device 2.0 USB Function Print, PC Fax and</p>		
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	<p>Scan General Specifications :-LCD Display 5 lines BW LCD Dimensions (W x D x H) With the cassette closed: 390 x 414 x 301mm With the cassette opened: 390 x 441 x 301mm Weight w/CRG: 10.3kgw/o CRG: 9.7kg Power Consumption Max: 1220W Energy Saver Mode: 3W TEC 0.7kWh Toner Cartridge Cartridge 328- Black: 2,100 Pages (standard) Black: 1,000 Pages (starter)</p> <p>Warranty on the system should be minimum one year from the date of installation and commissioning</p>		
33	<p><b>Digital balance 360 gm sancitivity 4 dec.</b> Capacity 60/360gm , Readability 0.001gm/ 0.01 gm, Repeatability 0.001gm/0.005 gm, Linearity 0.002gm/ 0.01 gm, Pan dia 100 mm, automatic calibration with external weight, piece counter, display of different weighing units, feed through for below the balance, percentage weighing, fine-range movable over the entire weighing</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>	1	Bikaner (Rajasthan)
34	<p><b>Microscope with CC camera microprocessor</b> – UIS optical system, UIS Objectives, UIS eyepieces, Microscope frame Illuminator, Reflected light (with ESD performance) 6V30W power supply, light preset switch, Focus Vertical stage movement: 25 mm Fine focus movement: 100 mm Minimum graduation: lum upper limit stop Torque Adjustment for coarse adjustment knobs Maximum specimen height 65 mm (W/o spacer) Observation tube Widefield : Inverted: Binocular, Trinocular and tilting binocular sobbservation tubes Erect: Trinocular and tilting binocular observation tubes, Super Widefield Inverted: Trinocular Objservation tube Erect: Trinocular and Tilting trinocular obeervation tubes, Reflected light Illuminator 30W halogen, Revolving nosepiece for BF- Sextuple revolving nosepiece with slider slot for DIC with ESD performance Stage- Coaxial stage with left or right hand low drive control, with torque adjustment Movement: X=76mm, Y=52mm Large-Sized coaxial stage with left or light hand low drive control, with Y direction locking mechanism Movement, X=110, Y=52.</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>	1	Bikaner (Rajasthan)
35	<p><b>Ultrasonic vibrator with probe-</b> Output 220 W, Input 230 W (250 Watt), probe should be mounted on a vertical steel bar with probe adjustment facility, moving stage circular</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>	1	Bikaner (Rajasthan)
36	<p><b>Microscope with CC microscoprosser control stage LCD monitor and ups 1 KVA</b> – UIS optical system, UIS Objectives, UIS eyepieces, Microscope frame Illuminator, Reflected light (with ESD performance) 6V30W power supply, light preset switch, Focus Vertical stage movement: 25 mm Fine focus movement: 100 mm Minimum graduation: lum upper limit stop Torque Adjustment for coarse adjustment knobs Maximum specimen height 65 mm (W/o spacer) Observation tube Widefield : Inverted: Binocular, Trinocular</p>	1	Kota (Rajasthan)

	<p>and tilting binocular observation tubes Erect: Trinocular and tilting binocular observation tubes, Super Widefield Inverted: Trinocular Observation tube Erect: Trinocular and Tilting trinocular observation tubes, Reflected light Illuminator 30W halogen, Revolving nosepiece for BF- Sextuple revolving nosepiece with slider slot for DIC with ESD performance Stage- Coaxial stage with left or right hand low drive control, with torque adjustment Movement: X=76mm, Y=52mm Large-Sized coaxial stage with left or right hand low drive control, with Y direction locking mechanism Movement, X=110, Y=52.</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>		
37	<p><b>Ultrasonic vibrator with probe-</b> Output 220 W, Input 230 W (250 Watt), probe should be mounted on a vertical steel bar with probe adjustment facility, moving stage circular.</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>	1	Kota (Rajasthan)
38	<p><b>Digital balance 360 gm accuracy 4 dec.</b> Capacity 60/360gm , Readability 0.001gm/ 0.01 gm, Repeatability 0.001gm/0.005 gm, Linearity 0.002gm/ 0.01 gm, Pan dia 100 mm, automatic calibration with external weight, piece counter, display of different weighing units, feed through for below the balance, percentage weighing, fine-range movable over the entire weighing</p> <p>Warranty should be minimum one year from the date of installation and commissioning</p>	1	Kota (Rajasthan)



## नियम और शर्तें

आपसे अनुरोध है कि उपर्युक्त उत्पाद श्रृंखला हेतु अपनी सर्वाधिक प्रतिस्पर्धात्मक ऑफर ( 2 प्रतियों में) प्रस्तुत करें । आपकी ऑफर एक मोहरबंद लिफाफे में निविदा संख्या मद संख्या और मद का नाम लिखते हुए श्री आर.सी.मल्होत्रा, महा प्रबंधक, सामान्य आयात प्रभाग, एसटीसी ऑफ इण्डिया लिमिटेड, जवाहर व्यापार भवन, टॉलस्टाय मार्ग, नई दिल्ली – 110001 को संबोधित करते हुए जवाहर व्यापार भवन, टॉलस्टाय मार्ग, नई दिल्ली – 110001 में स्वागत कक्ष भूतल में रखे हुए निविदा बॉक्स में जमा की जानी चाहिए ।

आपकी ऑफर में निम्नलिखित शामिल होने चाहिए:-

1. **एफओबी मूल्य, सी आई पी नई दिल्ली और करनाल (हरियाणा)/ लखनऊ (उत्तर प्रदेश) /जयपुर/ कोटा/ बीकानेर/ जोधपुर (राजस्थान) हेतु** इंदिरा गांधी अंतरराष्ट्रीय हवाई अड्डा, नई दिल्ली तक बीमा, हवाई भाड़ा, आईजीआई, नई दिल्ली से (क) करनाल तक कस्टम क्लीयरेंस शुल्क, अंतर्देशीय बीमा और परिवहन शुल्क (क्रम संख्या 1 से 9 की मदों हेतु ) (ख) लखनऊ ( क्रम संख्या 10 की मद हेतु) (ग) जयपुर ( क्रम संख्या 11-21,28,30-32 की मदों हेतु) (घ) कोटा ( क्रम संख्या 22-26,36-38 की मदों हेतु) (ङ) बीकानेर(क्रम संख्या 27,33-35 की मदों हेतु) एवं (च) जोधपुर (क्रम संख्या 29 की मदों हेतु) के ब्यौरे दिए जाने हैं । (1) आपूर्तिकर्ता के नामांकित हैंडलिंग एजेंट के पक्ष में कस्टम क्लीयरेंस (2) ड्यूटी छूट प्रमाणपत्र और (3) ड्यूटी की राशि हेतु पे-आर्डर ( कस्टम में दर्ज प्रवेश पत्र (बिल ऑफ एंट्री ) की प्रति की प्राप्ति पर के कागजातों की व्यवस्था एसटीसी द्वारा की जाएगी ।
- 2) **मूल (ऑरिजिन) देश** (यह निर्यातक देश के चैम्बर ऑफ कॉमर्स द्वारा सही प्रकार से समर्थित हो जो माल के पोत-लदान के समय प्रस्तुत किया जाएगा । )
- 3) **डिलीवरी कार्यक्रम**-हमें तत्काल डिलीवरी की आवश्यकता है ।
- 4) **भुगतान शर्तें** - हम 100% टी टी ट्रांसफर/ एलसी आधार पर कार्य करते हैं । भुगतान अंतिम प्रयोक्ता प्रभागों से संतोषजनक स्थापना / कमीशनिंग एवं प्रशिक्षण प्रमाणपत्र की प्राप्ति के पश्चात ही जारी किया जाएगा । एलसी के मामले में यह प्रमाणपत्र एलसी वार्ता कागजात का अंग होगा तथा

भुगतान अंतिम प्रयोक्ता विभाग से इसकी प्राप्ति के पश्चात ही जारी किया जाएगा। भारत से बाहर देय सभी बैंक प्रभार ( एलसी पुष्टिकरण प्रभार सहित ) विक्रेता के लेखे में जाएंगे।

- 5) **कीमत की वैधता** - आपकी ऑफर निविदा बंद होने की तारीख से 6 महीनों तक हमारे द्वारा स्वीकृति के लिए वैध होगी।
- 6) **एयरपोर्ट/ पोत लदान पत्तन**
- 7) **आपूर्तिकर्ता का बैंक विवरण**
- 8) **वारंटी अवधि**- उद्धरित उपकरण हेतु प्रत्येक उपकरण हेतु उल्लिखित विनिर्देशनों के अनुसार दी गयी अवधि की वारंटी होगी और निर्माता को जब भी आवश्यकता होगी एक लघु नोटिस पर बिक्री पश्चात् सेवा उपलब्ध करानी होगी। वारंटी अवधि केवल संबंधित अंतिम प्रयोक्ता के परिसर में उपकरण के संतोषजनक स्थापना एवं प्रदर्शन के पश्चात ही प्रारंभ होगी।
- 9) **वार्षिक रखरखाव प्रभार:-** उन मदों हेतु जहाँ एएमसी प्रभारों की मांग की गयी है, निविदाकर्ता मद विनिर्देशनों के अधीन उल्लिखित अवधि हेतु एएमसी प्रभार उद्धरित करें।
- 10) उपकरण के सही प्रचालन हेतु अपेक्षित सीआईएफ, नई दिल्ली के उपभोग्य और कलपुर्जों की एक विस्तृत सूची भी निविदा ऑफर के साथ प्रस्तुत की जाएगी।

### **निविदा में भाग लेने वालों के अनुपालन हेतु निविदा सूचना के विशिष्ट निर्देश**

- क) सभी उपकरण स्थापना, पर्यवेक्षण और प्रचालन स्टॉफ को पूर्ण प्रशिक्षण के साथ ऑफर किए जाएंगे।
- ख) मानक उत्पाद अद्यतन मॉडल के होने चाहिए जो अन्तरराष्ट्रीय विनिर्देशनों तथा सुरक्षा, पर्यावरण, प्रदूषण आदि की शर्तों को पूरा करते हों। मॉडल और विनिर्देशन स्पष्ट रूप से बताए जाने चाहिए।
- ग) यह अति आवश्यक है कि उत्पाद विवरण बोली के साथ संलग्न किया जाए।

- घ) यदि उपकरण मेक / मॉडल / ब्रांड ऑफर किया जाता है तो ग्राहक द्वारा इच्छा व्यक्त की गयी मेक / मॉडल / ब्रांड के साथ बोली सहित एक तुलनात्मक विवरणिका संलग्न की जानी चाहिए ।
- ड) सभी मशीनों हेतु विकल्प एक और तीन वर्ष की वृहद वारंटी के साथ (कलपुर्जो, यात्रा और श्रम सहित) ऑफर किए जाएंगे ।
- च) मर्दों पर वारंटी / गारंटी स्पष्ट रूप से बतायी जानी चाहिए ।
- छ) भारत में / कार्यस्थल पर सेवा व्यवस्था का बोली में स्पष्ट रूप से उल्लेख किया जाना चाहिए । उपकरण/मशीनों हेतु ऑफर की गयी कीमत में शामिल की गयी इसी प्रकार की सेवाओं का उल्लेख किया जाना चाहिए ।
- ज) विनिर्देशन सांकेतिक हैं । विकल्प के तौर पर इनसे बेहतर विनिर्देशन ऑफर किए जा सकते हैं ।
- झ) नाम जहाँ कहीं भी उल्लेखित हैं, संदर्भ उद्देश्य, समकक्ष या बेहतर विनिर्देशन / ब्रांड हेतु ऑफर किए जाएंगे ।
- ञ) आवश्यक कलपुर्जो और उपभोग्य सामग्री की सूची तथा वैकल्पिक मर्दों के तौर पर इनके लिए ऑफर की गई कीमतों की सूची का उल्लेख किया जाना चाहिए ।
- ट) समुद्री और हवाई भाड़े का विकल्प दिया जाना चाहिए । ( दोनों विकल्पों हेतु प्रभार उद्धरित करें )

11) निविदा कार्यक्रम:-

- i) ऑफर प्राप्त करने की अंतिम तारीख और समय: 28.08.2012 भारतीय मानक समय के अनुसार अपराह्न 3.00 बजे तक
- ii) ऑफर खुलने का समय और तारीख: 28.08.2012 भारतीय मानक समय के अनुसार अपराह्न 3.30 बजे ।

12) दो निविदा प्रणाली के अधीन आमंत्रित ऑफर

सभी निविदाकर्ताओं से अपेक्षा की जाती है कि वे अपनी ऑफर 2 लिफाफों में - तकनीकी निविदा और कीमत निविदा (दो प्रतियों में) प्रस्तुत करें । दोनों लिफाफे अलग अलग मुहरबंद होने चाहिए और इन पर निविदा संख्या और तारीख और निविदा खुलने की तारीख लिखी जानी चाहिए । ये दोनों लिफाफे एक तीसरे लिफाफे में रखे जाने चाहिए और इसे मुहरबंद किया जाना चाहिए । इस लिफाफे पर भी निविदा संख्या, मद का विवरण और निविदा खुलने की तारीख लिखी जानी चाहिए ।

सभी मदों के विस्तृत तकनीकी विनिर्देश, निविदा सूचना में उल्लेखित की गयी है । निविदाएँ उसी दिन उपस्थित होने के इच्छुक निविदाकर्ताओं की उपस्थिति में अंतिम तारीख को खोली जाएंगी।

(क) एसटीसी की कार्पोरेट नीति के संबंध में मुख्य निर्माता/आपूर्तिकर्ता या उनके प्राधिकृत एजेंटों की ऑफर्स पर उनके मुख्य निर्माता/आपूर्तिकर्ता द्वारा निविदा विशिष्ट प्राधिकार सहित उनके पक्ष में संलग्न अनुसूची ए के अनुसार होने पर ही विचार किया जाएगा । अन्यथा प्रस्तुत की गई ऑफर्स को रद्द कर दिया जाएगा । 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) आयातित उपकरण के मामले में प्राधिकृत एजेंट संबद्ध विदेशी मुद्रा में उनके मुख्य निर्माताओं के लिए और उनकी ओर से कीमतें उद्धरत कर सकती हैं । तदनुसार एसटीसी आदेश प्रदान करने पर मुख्य निर्माता के साथ प्रत्यक्ष सम्पर्क करेगा ।

(ग) सभी ऑफर्स उद्धरित दरों के 2% की धरोहर राशि जमा (ईएमडी) के साथ एसटीसी ऑफ इण्डिया लिमिटेड, नई दिल्ली के पक्ष में पे-आर्डर/डिमांड ड्रॉफ्ट 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 । ईएमडीडीडी / पे-आर्डर लिफाफे में रखे जाएँगे जिनके साथ तकनीकी निविदा होनी चाहिए ।

(घ) उन निविदाकर्ताओं की वित्तीय निविदाएँ बाद में खोली जाएंगी जिनकी तकनीकी निविदाएँ अनुमोदित हैं ।

(ङ) सफल निविदाकर्ता को निविदा/आर्डर देने पर कीमत के 10% के बराबर भारतीय मुद्रा में और उपकरण के गारंटी अवधि तक वैध संविदा के सही निष्पादन के लिए निविदाकर्ता (अवार्डी) द्वारा निष्पादन गारंटी प्रस्तुत की जाएगी जो निर्धारित प्रपत्र में संलग्न अनुसूची बी के अनुसार भारत के एक राष्ट्रीय बैंक के माध्यम से अंतिम प्रयोक्ता विभाग के पक्ष में होगी ।

(च) निविदाएँ खुलने के पश्चात प्राप्त ऑफर्स को अंतिम प्रयोक्ता विभाग के पास उनके मूल्यांकन हेतु अग्रेषित कर दिया जाएगा ।

(छ) 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 प्रयोक्ता विभाग को सूचित किया जा सके ।

(ज) 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।

(झ) किसी भी प्रकार का परिवर्तन स्वीकार्य नहीं होगा। टेंडरकर्ता को हस्ताक्षर तथा मोहर लगाकर निम्नलिखित प्रमाणित करना होगा

### प्रमाण पत्र

प्रमाणित किया जाता है कि टेंडर न. एसटीसी/जीआईडी/408/ 2012-13 दिनांक-06.08.2012 के लिए संलग्न ऑफर टेंडर की निबंधन एवं शर्तों की पूर्ण पुष्टि में हैं जिनमें बिना किसी भी प्रकार के परिवर्तन के विशिष्ट निर्देश और विनिर्देशन, जो भी हो शामिल हैं।

स्थान :

दिनांक :

निविदाकर्ता के हस्ताक्षर

नाम तथा पदनाम

कम्पनी की मुहर

( आर.सी.मल्होत्रा )

महा प्रबंधक

टे.न. 23462129/23462286

नई दिल्ली,

06.8.2012

(ण) किसी मामले में उद्धरित डिलीवरी अवधि से परे आपूर्ति में विलम्ब होने पर लिक्विडेटिड क्षतियाँ विलम्बित आपूर्ति की लागत के 0.5 प्रतिशत की सीमा तक प्रति सप्ताह के अनुसार लागू होगी जो अधिकतम रूप से 10 प्रतिशत के अधीन होगी। इस अवधि के पार हमें संविदा को आगे बढ़ाने या रद्द करने का अधिकार है।

(त) **मध्यस्थता:-** निविदा की संरचना, अर्थ, प्रचालन या प्रभाव के संबंध में या इसके उल्लंघन में या पार्टियों के मध्य उठने वाले किसी भी विवाद या मतभेद के मामले भारतीय मध्यस्थता परिषद नई दिल्ली के मध्यस्थता नियमों के अनुसार मध्यस्थता द्वारा

निपटाए जाएंगे तथा इस क्रम में लिया गया निर्णय पार्टियों पर बाध्यकारी होगा । संविदा हर दृष्टि से भारतीय कानून के अनुसार संचालित की जाएगी । भारत में नई दिल्ली की अदालतें इस मामले में न्यायाधि क्षेत्र होंगी । मध्यस्थता की भाषा अंग्रेजी होगी ।

(थ) एसटीसी को बगैर कोई कारण बताए किसी भी या सभी ऑफर्स को जिसमें निम्नतर ऑफर को या तो पूर्णतया या आंशिक तौर पर स्वीकार या अस्वीकार करने का अधिकार होगा । इसलिए सशर्त ऑफर को तत्काल अस्वीकार कर दिया जाएगा । इसी प्रकार से अधूरी ऑफर्स या बगैर धरोहर जमा राशि के प्रस्तुत की गयी ऑफर्स को अस्वीकार कर दिया जाएगा ।

You are requested to submit your most competitive offer (In Duplicate) under 2 bid system 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.C. Malhotra, 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 at the STC's Ground Floor Reception of Jawahar Vyapar Bhawan, Tolstoy Marg, New Delhi – 110001.

Your offer may sought to include the following :-

- 1) **FOB Price, CIP New Delhi & FOR Karnal (Haryana)/ Lucknow(U.P)/ Jaipur/Kota/Bikaner/Jodhpur (Rajasthan) price.**  
(Break-up of insurance, airfreight upto IGI Airport, New Delhi, Custom Clearance charges, Inland Insurance and Transportation Charges from IGI New Delhi to (a) Karnal (For Items at S.Nos. 1 to 9),(b) Lucknow (For Item at S.No. 10) (c) Jaipur (For Item at S.No. 11-21,28,30-32) (d) Kota (For Item at S.No 22-26,36-38) (e) Bikaner (For Item at S.No 27,33-35) & (f) Jodhpur (For Item at S.No 29) 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.
- 2) **Country of Origin** (Certificate Duly supported by Chamber of Commerce of the exporting country to be submitted at the time of shipment of goods )
- 3) **Delivery Schedule** – We need immediate deliveries.
- 4) **Payment terms** –. 100% payment shall be released only after receipt of Satisfactory Installation/commissioning & Training certificate from the end-user departments. We operate on 100% TT Transfer/ LC Basis. In case of LC, this Certificate would be part of the LC negotiating Documents and payment would be released only after receipt of the same from the end-user department. All bank charges (including LC confirmation charges) payable outside India would be to Seller's account.
- 5) **Validity of Price** – Your offer to be valid for acceptance by us up to 6 months from the Tender closing date.
- 6) **Airport/Port of Shipment.**
- 7) **Supplier's Bank Details**
- 8) **Warranty Period** – The equipment quoted for shall carry a warranty for a specified period as mentioned against each equipment specifications and the manufacturer shall have to provide after sales service, as and when required at a short notice. The Warranty period shall start only upon satisfactory Installation & Demonstration of the equipment at the respective end –user's premises.
- 9) **Annual Maintenance Charges:** For the Items where the AMC Charges have been asked for, the tenderers may quote the AMC charges for the period, as mentioned under the item specifications.
- 10) The detailed list of consumables and spares with CIF, New Delhi prices, required for smooth functioning of the equipment, shall also be submitted along with tender offer.

## **SPECIAL INSTRUCTIONS TO THE TENDER NOTICE FOR COMPLIANCE OF THE TENDER PARTICIPANTS :-**

- A. All Equipments to be offered with installation, supervision and complete training to operating staff .
- B. Standard Products should be offered, be of latest models and meet **international specifications and norms of safety, environment, pollution etc.** Models and specifications should be clearly spelt out.
- C. It is mandatory to enclose Product literature with the bids.
- D. In case equivalent make/model/brand is offered, a comparative statement with the make/model/brand desired by customer should be enclosed with bid.
- E. Options on all machines to be offered for one and with three year comprehensive warranty (parts, travel and labour included).
- F. Warranty/Guarantee on the items should be spelt out clearly.
- G. Service arrangements in / for India/ site should be mentioned clearly in the bids. Similarly services included in the price offered for equipment/machines should be mentioned.
- H. Specifications are indicative, better specification may be offered as optional.
- I. Names where ever mentioned are for reference purpose, equivalent or better specification/ brand may be offered.
- J. List of essential spares and consumables should be mentioned and prices offered for the same as optional items.
- K. Option of freight by Sea and Air should be given. (May quote charges for the two options).

### **11) Schedule to Tender :-**

- a) **Closing date & time for receipt of Offer : 28.08.2012 upto 1500 Hrs IST**
- b) **Opening of Offers , Time & Date : 28.08.2012 at 1530 Hrs IST**

### **12) Offers invited under Two Bid System :**

All Bidders are required to submit their offers in two cover i.e. Technical and Price Bid- (in duplicate). Both the covers should be separately sealed and super –scribed with Tender No. and Date and Date of Opening. The two covers should thereafter be kept in a third cover and sealed. This cover should also be super-scribed with the **Tender No., Item Description and the date of Tender Opening.**

The detailed Technical Specifications of all the items have been mentioned in the Tender Notice.

The tenders will be opened on the closing day itself in presence of the Tenderers desirous to be present.



- (A) Having regard to STC's Corporate Policy, offers from Principal Manufacturer/Distributor or their Authorized agents with Tender Specific authorization by their principal Manufacturer/Distributor in their favour as per Schedule 'A' enclosed only shall be considered. Offers otherwise submitted, if any, are thus liable to be rejected summarily. Offers can also be sent by Mail/Courier/Speed Post, but to be received before the Tender Closing Time.
- (B) In case of Imported equipment, the Authorized agents may quote the prices for and on behalf of their principal manufacturers in the respective foreign currencies. Accordingly, upon award of order STC shall be entering into direct contract with the Principal Manufacturer.
- (C) All offers shall be submitted along with an Earnest Money Deposit (EMD) of 2% of total offer value (in the Form of Pay Order / Demand Draft in favour of The STC of India Ltd., 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. The EMD DD/Payorder to be placed in envelope containing Technical Bid.
- (D) The Financial Bids of the Tenderers whose Technical Bids are approved shall be opened subsequently.
- (E) 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 the prescribed format in favour of end-user department through a Nationalized Bank in India. As per Schedule B enclosed.
- (F) The offers received (other than conditional offers) after opening of bid(s) shall be forwarded to the end-user department for their evaluation.
- (G) 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.
- (H) The participating tenderers will sign and stamp each page of the tender document in token of their acceptance of STC's tender terms and conditions unconditionally & unequivocally and submit same along with the offer (Technical Bid). The offer, not accompanied by STC's tender terms duly co-accepted, shall be summarily rejected.
- (I) No deviation, whatsoever, shall be acceptable. The tenderer has to certify that by duly signing and stamping the following certificate:

CERTIFICATE

Certified that the enclosed offer against Tender No. STC/GID/408/2012-13 dated 06.08.2012 is in total conformity with tender terms & conditions including special instructions and specifications without any deviation, whatsoever.

Place:

SIGNATURE OF THE TENDERER

Date:

NAME & DESIGNATION OF TENDERER

COMPANY SEAL

**New Delhi.  
06.08.2012**

**R.C. MALHOTRA  
GENERAL MANAGER  
Direct Tele No. – 23462129/23462286**

- (J) 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.
- (K) 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.
- (L) 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 therefore. 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..

**UNDERTAKING TO BE SUBMITTED BY PRINCIPAL MANUFACTURER / DISRIBUTER**

**Schedule "A"**

It is to certify that

M/s \_\_\_\_\_

**(Name & Address of Tenderer) is our Authorised Distributor / Dealer. They are Authorised to submit tender for \_\_\_\_\_ (Name of Item) to the State Trading Corporation of India Ltd.,**

**New Delhi against their Tender Notice No \_\_\_\_\_**

**Dated \_\_\_\_\_.**

The Equipment / Item is Guaranteed for minimum two year Comprehensive Guarantee / Warranty with Spare Parts from the date of installation and Authorised Distributor / Dealer shall during the Guarantee period replace the parts if any, or rectify any manufacturing defect found during the above period so as to make the machinery operative and in perfect condition.

They are also Authorised to carry out Annual Maintenance Contract and repairs contract for the period as desired by the purchase officer after the expiry of one year comprehensive Guarantee / Warranty. They will be responsible to ensure adequate regular supplies of spare parts, consumables, non-consumables needed for the same whether AMC or otherwise.

In case of change of Authorised Distributor / Dealer, we will inform the purchase officer accordingly. The new Dealer / Distributor will be responsible for after sales & service and annual maintenance and repairs contract as above. In case of failure of Authorised Dealer / Distributor we will be responsible for providing after sales service of the equipment as per terms and conditions of tender and contract.

**SIGNATURE OF THE PRINCIPAL MANUFACTURER/ DISRIBUTER  
WITH RUBBER STAMP**

Note: This Undertaking should be Typed & Signed by Principal Manufacturer/ Distributer on his Original Letter Pad

PERFORMANCE BANK GUARANTEE FORMAT

(To be executed by any Prime Bank in India having their Branch in the State of End-user Department on stamp paper of Rs.100/-)

Name & Address of the Buyers(End-user Department)

\_\_\_\_\_

1. Against Tender No. \_\_\_\_\_ dated \_\_\_\_\_ and Contract No. \_\_\_\_\_ Dated - \_\_\_\_\_ (hereinafter called the Contract entered into between the STC of India Ltd., New Delhi for and on behalf of \_\_\_\_\_ (hereinafter called the Buyers/End user Department) and M/s. \_\_\_\_\_ (Name and Complete Address) (hereinafter called the Sellers) this is to certify that at the request of the Sellers, we \_\_\_\_\_ Bank unconditionally and irrevocably guarantee to pay to the Buyers immediately on first demand, the amount of US \$/Rupees \_\_\_\_\_ (@ 10% of contract value) without any protest or demur or reference to the Sellers if the Sellers fail to perform all or any of their obligations under the said contract. The decision of the Buyer/End user \_\_\_\_\_ or The STC of India Ltd., New Delhi duly communicated in writing to the bank that the sellers have failed to perform all or any of the obligations under the contract shall not be questioned and be final and conclusive. The said amount of US \$/Rupee \_\_\_\_\_ will accordingly forthwith be paid without any conditions or requirement of our proof whatsoever failing which interest @ 15% p.a. on monthly rest basis shall be payable by the Bank to Buyer.
2. It is fully understood that this guarantee is effective for a period upto \_\_\_\_\_ (12/24 Months + Delivery Period) and that we \_\_\_\_\_ Bank undertake not to revoke this guarantee during its currency (upto claim period) without the consent in writing of the Buyers.
3. We \_\_\_\_\_ Bank, further agree that the buyer shall have the fullest liberty, without affecting in any manner or obligations hereunder to vary any of the terms and conditions of the said contract or/extend time of performance by the Sellers from time to time or to postpone for any time or from time to time any of the powers exercisable by the Buyers against the said sellers and/or forebear to enforce any of the terms & conditions relating to the said contract and we, \_\_\_\_\_ Bank shall not be released from our liabilities under this guarantee by reasons of any such variations or extension being granted to the said sellers or for any forbearance and/or commission on the part of the buyers, or any indulgence by the Buyers, to the said Sellers or by any other matter or thing whatsoever which under the law relating to the sureties would, but for this provision have the effect of so releasing us from our liability under this performance guarantee. We further agree that the validity period of this Performance Bank Guarantee will be extended by us upon receipt of any such

request in writing from the Buyer and any charges on account thereof shall be to the account of supplier on whose behalf this Bank Guarantee is being opened.

4. We \_\_\_\_\_ Bank further agree that the guarantee herein contained shall not be affected by any change in the constitution of the said Sellers/Buyers.
5. The Guarantee will be governed by Indian Laws and will be subject to the jurisdiction of competent courts in the State of Buyer / End - user India alone.
6. No claim shall be admissible against the Buyer in respect of interest on Performance Guarantee regardless of the time of release.
7. This Guarantee will remain in force up to \_\_\_\_\_ (12/24 Months + Delivery Period) and any demand in respect thereof should reach Bank not later than 10 (Ten) working days (claim period) from the expiry of above validity date.

FOR \_\_\_\_\_ BANK

ACCEPTED