

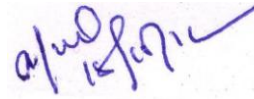
Specification for Instruments/items

Sl.No	Name of Instrument	Specifications	Earnest Money (in Rs.)
1	Automated Express DNA Extraction System	<p>Automated Express DNA Extraction System Easy to use, robust bench-top DNA purification system which utilizes prepFiler™ Express technology and is designed to maximize DNA yield and PCR inhibitor removal across a wide range of casework samples.</p> <p>PREPFIL express BTA F DNA EXT KIT 52 Optimized for use with the Automated Express™ Enable most efficient extraction of DNA from calcified tissues and substrates containing adhesives or gum polymers. Includes pre-filled reagent cartridges, lysate tubes, elution tubes, tips and sheaths, Lysep columns, bone and tooth lysis tubes.</p> <p>PREPFIL express F DNA EXT KIT 52 Optimized for use with the Automated Express™. Includes pre-filled reagent cartridges, lysate tubes, elution tubes, tips and sheaths Lysep columns</p> <p>Optional Accessories 1.5.0 KVA online UPS, power supply of 230v, 50Hz, single phase. 2.1.5 Ton split A.C. with 2/3 star rating</p>	75,000.00
2	Automated pensky-Mertin Flash Point Apparatus	<p>12-1770-PMA-4 : Automatic Pensky-Martins Flash Point Tester 230/115V, 50/60Hz with microprocessor control, ASTM D 93 (A+B) – ASTM D 6751 – AASHTO T 73 – AASHTO T 172 – ISO 15267 – IP 34 (A+B) – ISO 2719 (A+B) – NF M 07-019- EN 22719 (A+B) – JIS K 2265</p> <p>Includes control electronics with power supply, large LCD display, Selection of °C or °F, Visible display 90 x 56 mm, Height of characters 25mm, Visible upto 10 m distance, Upto 99 test results can be stores in the memory of the basic instrument, Barometer pressure detection, Membrane key pad for selection of desired flash point program and Estimated flash point, Heating control with rapid heating stage and safety over-temperature shutoff, cool-down fan, High grade steel cabinet (23 cm width), two-color power coated. Multi-Function-Head for easy one hand simultaneous connection. 1 x RS-232 interface for printer for future PMA4 firmware upgrades and for running the PMA4 with the comfortable MS windows-program PMACon Recommended PC configuration for PMACon : (not included in 10MB free) Mouse, CD-ROM, 1 free RS 232, WIN 98/2000/NT/XP (pro) Accessories included:</p> <ul style="list-style-type: none"> - 1 test insert (12-0777) - 1 multi-detector (12-0787) - Lifting tongs, gas and electric ignitor, - Holder for resting cup and sensor, - Operating instructions and electrical - Power connection cable - Option to connect a sample-changer - Windows-Software-package for easy handling and storing of data as well as program transfer from the PC-memory into the PMA-4. Easy to read tableau. Results can be stored in memory and transferred into Excel etc., Numerous programs can be set easily (e.g. Bitumen-program) can be copied from the memory and modified. - Permanent indication of test status. 	30000.00
3	Computerized Speech Laboratory with accessories	<p>CSL Hardware/Software system including professional quality hardware and software. Advance hardware is to be designed for robust measurement applications. System has latest core CSL software which includes, acquisition, playback, editing and analysis (sonograms, LPC, Pitch, Intensity, FFT, editing tools, digital filtering, IPA transcription, data log feature, etc.) Windows (R) MDI and CUI compliance with user configurable workshop, flexible access to commands, and user definable macros/keys.</p> <p>CSL Forensics Programs Headset Condenser Mic. Condenser Microphone Multi-Time Pitch,</p>	

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		<p>Real-Time Pitch, Sona-Match, Real Time Spectrogram, Phonetic Database, Respiration, Phonation and Prosody Simulation, Video Phonetics Program and Database</p> <p>Multi-Speech Windows-based software for speech acquisition, analysis and playback using standard soundcard. Includes : software for capture, playback editing and analysis. Hardware not included with this software. Requires PC to run program. PC workstation for CSL Late Model Pentium based computer, 20" LCD monitor, CD-RW speaker, soundcard and PCI bus, Multimedia keyboard and mouse. Key software is pre-loaded. Specifications are upgraded without notice.</p>	
4	PDA Flow cell ,	ACQUITY,PDA Flow cell Analytical, 10 mm	
5	Petroleum Distillation Unit(Manual)	Petroleum Distillation Unit as per IP-123 & ASTM D-86	500.00
6	Homogenizer	<p>1. Horizontal Electrophoresis system with power pack Electrophoresis Base Footprint (LxWxH) atleast 29.5cm x 29.0cm x 9.0cm Base Buffer Sizes : Volume – not more than 2.0 L Gel Tray Sizes : 15 x 08 cm, 25 x 10 cm and 30 x 15 cm Comb : 10 tooth, 15 tooth and 30 tooth, Com Holder and UVTP Gel Tray Power Pack</p> <p>2. Automated diluter of food sample 1. Dilution time : about 15 seconds 3. Dilution factor : ½ 4. Sample weighting accuracy : within 0.1g 5. Dilution accuracy : 0.5% to 1% 6. Minimum sample weight : 1g 7. Maximum sample weight : 1500g 8. Operation temperature : 5 to 40 °C 9. Automatic Calibration 10. Automatic tare</p> <p>II. Automated DNA, RNA and Protein extractor Dimension in mm about Height – 27cm, Base (Ellipse) 43 – 33cm Weight kg Less than 18 Kgs Noise Level (Max) >70 dB Cover Plexiglass Speed 4.0 to 6.5 m/s Motion type Oscillation No. of Motors Minimum 7 No. of program per Rotor 5 Cycle numbers 1 Max time 60 sec Tubes size (ml) 2ml; 4.5ml; 15ml; 50ml No. of 2ml tubes/Rotor 24/48 Cooling With Dry Ice 120/220 V switch automatic Working with any lysis matrix or Kits DNA/RNA/Protein Extraction options with Kits Available Maximum Step for DNA/RNA/Protein Extraction using the machine Less than Five Interchangeable Adapters 24 * 2ml, 24 * 4.5 ml, 6 * 15 ml and 2 * 50 ml with cooling facility</p>	
7	Polygraph	<p>MODULAR WIRED POLYGRAPH WITH LAPTOP COMPUTER AND PINTER 220V/50Hz Pneumograph Module should include all assemblies. Cardio Module should include: Pump Bulb, Arm Cuff, Finger Clip – Long Hirose Style GSR/PLE Module including EDA cable, metal plates & 100pregeled disposable electrodes. -Activity Module includes:</p>	20000.00

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		<p>Seat Activity Sensor – Arms – Feet Docking Station should Hold Six Modules -USB to 18 PIN cable Modular cable Medium Length Shoulder Pad Fingerprint Reader WEBCAM Quickcam Communicate Logitech 1386202</p> <p>Software description: The Software System capable of utilizing the intuitive Windows interface and features pull down menus, mouse capability to initiate commands and functions, easy to use dialog boxes, and context sensitive help, such that Inexperienced users can learn to use the Polygraph Software System quickly. System should be Windows-based with unparalleled ease of use and proven reliability. Software should contain objective Scoring System along with manual scoring.</p> <p>System software/Hardware should contain:</p> <ul style="list-style-type: none"> • Compatible with Windows XP, Windows 7 or Vista • EDA Design (6) EDA choices (GSR or GSC – Tilt, detrended, and automatic) • Can Run either in GSR mode or GSC mode • Automatic : classical high-pass filter solution to EDA signals processing. Attempts to keep the trace centered on a common baseline. • Manual : examiner is in charge of controlling the sensor via centering, sensitivity, and slope adjustments. The slope may be adjusted via a slider control under the sensor arrow. • Detrended : hands-off solution with extremely high correspondence with the manual EDA. Attempts to keep the trace centered on a common baseline, but the sensor trace is not permitted to dip below its corresponding sensor arrow. • Multi camera support : will support as many cameras as your computer will support recording and playback simultaneously, providing multiple views of the subject. • Timestamp with date included on video • Bookmark capability on audio/video • Take subject's photo while video is recording • Polygraph reference: contains a collection of articles on various polygraph-related subjects. • Customizable Personal History and Exam/Series forms • Simplified Customizable Final Reports • Attach external documents to your polygraph files • Scripting capability • Allows users to automate actions specific to their organization to response to such events, such as copying consent forms to the newly created polygraph folder or extracting entered information from the Personal history or Exam/Series info dialog to an external document. • Data Export Feature • Save polygraph Files and all other documents as PDF formats • E-mail Polygraph Files • Drug Reference Software • SUBJECT CHAIR: <ul style="list-style-type: none"> • with all modern features • LAPTOP COMPUTER: <ul style="list-style-type: none"> • Modern configuration with IntelCore2 due processor • Genuine Windows 7 professional, • 2.1 GHz or more Processor, Memory size 3GB,DDR2 Memory,17.3" • display size ,Intel media accelerator.and printer etc 	
8	LCD projector with activated Screen	<p>Multimedia Projector Model : (3D READY, HDMI Port) Display Technology : Single 0.65" DLP Chip</p>	4000.00

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		Resolution : 1280x800 (WXGA) Brightness : 4000 ANSI LUMENS Contrast Ratio : 2,200:1 Lens (F-NUMBER) : (F21.0-24mm) (f=19.0 TO 22.7 mm) ZOOM – Manual 1.15x Zoom FOCUS – Manual PICTURE SIZE (DIAGONAL) - 40" (102cm) to 500" (1250cm) PROJECTION DISTANCE : 1.4 mtr – 12.6 mtr INPUT SIGNAL DTH : 1080P/1080I/720P/576P/576I/540P/480P/480I/NTSC/PAL/SECAM Computer RGB – UXGA*1/SXGA+*1/SXGA*1/WXGA*1/XGA/ XVG/VGA Mac 21"*1/19"/16"/13" Input terminals :- Mini D-sub 15 pin 1No. Video (Mini DIN 4 pin) 2No. Audio (03.5mm stereo mini jack) 1No. Audio (RCA) 1No. Output terminals :- Mini D-sub 15 pin (1 shared with computer/computer input2, Switchable) Built-in RJ-45 LAN Connector 1No. Lamp Life – 4000 Hr (Eco mode) Speakers – 10W (mono) inbuilt	



Director,
 Directorate of Forensic Science, Assam,
 Kahilipara, Guwahati – 19.