

OFFICE OF THE DIRECTOR:: FORENSIC SCIENCE LABORATORY::
MEGHALAYA::: SHILLONG



TENDER NOTICE

Sealed tender in 2 (two) bid system Technical and Financial bid affixing non-refundable court fee stamp of Rs.1000/-(Rupees one thousand) only are invited from bona fide, established, reputed manufacturers or their authorised dealers/agents/ representative for entering into the rate contract for supply, installation and demonstration of "Forensic equipment" for 2022-23 as per the Technical Specifications, in Annexure "A" and Terms and conditions laid down in the Tender notice.

Terms and Conditions

Items offered must be of reputed companies/manufacturers and should meet with all the specifications as those given in **Annexure A**. Tender should be accompanied with catalogue, warranty/ guarantee or any related papers & will be received up to 1400 hrs. on the **18th October, 2022** and will be opened on the same day at 1500 hrs. Bidders or their authorised representatives are invited at the time of opening of the tender. Tenders received after 1400 hrs. of **18th October, 2022** by hand or by post will be summarily rejected.

2. **Tender must be accompanied by:-**

- (a) Affixed non-refundable court fee stamp of Rs.1000/-.
- (b) Tenderers should quote specific rate for each item. Tender must be accompanied by Earnest money @ of 2% for General and 1% for Scheduled Caste/Schedule Tribe of the total amount of Tender value/Contract value. The earnest money preferably should be in the form of (i) Crossed Bank Draft or (ii) Deposit at call duly pledge in favour of the Director of Forensic Science Laboratory, Meghalaya, Shillong at any Nationalised Bank at Shillong. The Earnest Money/Security Deposit papers pending in this office in connection with other tenders/supplies shall not be considered as Earnest Money for the tender.
- (c). MSME seeking exemption from submitting EMD will have to produce relevant certificate.
- (d) Attested copy of PAN.
- (e). Attested copy of professional Tax Certificate.
- (f) Valid GST Registration certificate and TIN No. of the tenderer.
- (g) Latest financial stability certificate from a Scheduled Bank certifying that the Tenderer is financially sound to undertake the contract.
- (h) Dealership/distributorship/ certificate from the Principal manufacturers/sub dealership certificate from the Distributor
- (i) Recent passport size photograph of the Tenderer duly attested.

3. Further, the following will have to be produced within a period of 10 days after being declared successful bidder and before issue of work order.
- (a). Attested Copy of SC/ST certificate from Meghalaya for Scheduled Tribe tenderers.
 - (b). Attested Copy of Valid Trading Licence from concerned District Council of Meghalaya in case of Non-Tribal Organization/Firms mentioning the correct nature of trade.
4. The following information must be mentioned on the body of the envelope containing the quotations, failing which the sealed envelope of the quoting firm will not be opened.
- (a) Professional Tax clearance certificate - is enclosed
 - (b) Valid GST Registration Certificate - is enclosed
 - (c) PAN - is enclosed
 - (d) Earnest money -is enclosed.
 - (e) Court Fee stamp -is enclosed.
 - (f) Dealership certificates from Principal manufacturers. - is enclosed
 - (g) Passport size photograph of the bidder should also be enclosed. - is enclosed
 - (h) Latest financial stability Certificate from any recognized Bank. - is enclosed

Failure to enclosed any one of these documents or enclosed of any invalid documents will result in automatic rejection of the quotation.

5. **Rates quoted**
- (a) should be inclusive of cost of accessories.
 - (b) should be valid for one calendar year from the date of acceptance of tender.
 - (c) should be quoted FOR destination Shillong, door delivery Director Forensic Science Laboratory, Meghalaya, Shillong
 - (d) Should be inclusive of all Charges like packing, insurance, transit risk and other incidental charges only GST and local taxes (if applicable) should be shown separately.
 - (e) Should be written clearly in figure and in words. Any alteration or overwriting must be fully signed by the tenderers.
 - (f) Once the rates offered in the tender are accepted enhancement will not be entertained under any circumstances and tenderers will be liable to supply the items at the accepted rate. Failure to supply the items at the accepted rates will entail the offer being cancelled and the security money will be forfeited to the Government of Meghalaya.
6. Tender should be addressed to the undersigned by designation and not by name. Sealed envelope containing the tender must be superscribed as "**Tender for Forensic Equipment** " and must be sent by registered post or hand delivery.

7. The successful tenderers :-

- (a) Will be intimated by a Letter of Acceptance of the Director of Forensic Science Laboratory, Meghalaya, Shillong. Till then no bidder has any right to assume that his/her tender has been accepted. There shall be no claim whatsoever for compensation for any expenditure incurred by any tenderers in anticipation of acceptance letter.
- (b) Will have to furnish attested copy of valid Trading Licence from concerned District Council (for non-tribal) Regulation Act 1954 by tenderers who are required to obtain such Licence.
- (c) Required to furnish a security deposit as per rates mentioned below and execute the contract agreement to ensure fulfillment of the terms and conditions of the contract which successful bidder/s will have to enter into. Such security deposit will be subjected to forfeiture in case of non-fulfillment of terms and conditions of the tender notice on the contract agreement. The earnest money of the successful tenderer/s will not be released till the full security deposit is furnished. Earnest money of the successful tenderer/s will be forfeited to the Government in case of failure to furnish security money in full.
- (d) ST. Certificate for Tribals from Meghalaya.

8. **RATES OF SECURITY DEPOSIT**

The successful tender will have to deposit Security Deposit @ 10% (for all categories) of the total, amount of the contract. The Security Deposit should be interest free and in the form of a valid Bank Draft/Deposit at Call pledged in favour of the undersigned

9. The Director of Forensic Science Laboratory, Meghalaya may rescind forthwith the contract in writing if,
- a) A Tenderer assigns or sublets any contract in respect of contract or any other contract entered into with the Government.
 - b) Tenderer or his agent/Servant are found guilty of fraud of this contract or any other contract.
 - c) Declines, neglect or delays to comply with the demand/requisition or in any other way fails to perform or observe any of or all the conditions of the contract agreement.

In case of such rescission the Security Deposit in full shall stand forfeited and absolutely be at the disposal of the Government without prejudice to any other remedy or action that the Government shall be entitled to recover from the successful Tenderer any extra expenses Govt. may deem necessary in obtaining the supplies.

Contd....Page 4/-

10. In the event of the successful Tenderer failing to perform his/her part of any or all the contract agreement to the satisfaction of the Department or disregarding any terms and conditions of the Tender Notice and or the contract agreement the successful Tenderer shall be liable to any of or all of the following action at the discretion of the Director of Forensic Science Laboratory, Meghalaya, Shillong on behalf of the Government of Meghalaya.
 - (i) Forfeiture of security deposit in whole or part.
 - (ii) Making good the loss caused to the Government through the liability, neglect, delay in complying with the demand.
 - (iii) Cancellation of the contract without any prior notice to the contractor.
11. If the successful Tenderer/s willfully neglects, fails to perform or observe any or all conditions of the contract agreement or attempts to cheat or indulge in foul practices, the Director of Forensic Science Laboratory, Meghalaya, Shillong may impose a ban upon such Tenderer(s) for future business within the Department.
12. Quantities mentioned in the list are only illustrative and may be increased/reduced on finalisation of order depending on the availability of fund and actual requirements.
13. Once the sample/technical specification of the items are approved, no change of brand, name, shape, pattern, quality or specifications will be entertained even on the plea of non-availability of raw materials or alternative offer of the same quality.
14. The store, supplied must be of the same specifications, weight and quality as the tendered models/samples/Tech. Spec. If the items are rejected by the undersigned due to non-meeting of the Technical Specification the supplier must replace the rejected items at their own cost forthwith and in a period of 21 (twenty one) days from the date of rejection.
15. Delivery, installation and demonstration must be completed within thirty days from the date of receipt of firm orders. No extension of delivery & installation period will be entertained.
16. Payment will be made to the suppliers directly only on completion of supplies and on correct receipt of goods by the respective consignee in good condition. Documents/vouchers/ P.R. Bills etc. routed through Banks will not be accepted. Consignment will be dispatched by the firm after payment of all freight charges at the source. Freight to pay P.R. will not be accepted.
17. Risk of transportation will be borne by the Tenderer themselves.
18. Comprehensive onsite warranty should be indicated along with after sale services facilities.

19. One set of manuals of (Instructions and Maintenance) should be supplied free of cost for each item wherever applicable
20. The Director Forensic Science Laboratory, Meghalaya, Shillong reserved the right to himself/herself to reject the lowest rate or any of the tender without assigning any reason thereof.
21. Any dispute arising out of or in respect of these terms and conditions of the Contract Agreement shall be in the Jurisdiction of the Courts in Meghalaya
22. PRACTICAL DEMONSTRATION : 10 days of Practical demonstration must be provided to the staff in Forensic Science laboratory, Meghalaya, Shillong.

In charge Director
Forensic Science Laboratory,
Meghalaya, Shillong

Memo No.FSL.21/2019-20/EQ/Pt-I/5

Dated. Shillong the 27th September, 2022

Copy to:-

1. The Secretary, Home (Police) Dept. Govt. of Meghalaya, for favour of kind information.
2. Inspector General of Police (CID) Meghalaya, Shillong for favour of information.
3. The Asstt. Inspector General of Police,(A),Meghalaya, Shillong for information.
4. The Director (SCRB) Meghalaya, Shillong along with a soft copy containing the Tender Notice for uploading the same in the Website of Meghalaya Police.
5. The Director of Information and Public Relation, Meghalaya, Shillong for favour of information and necessary action. The gist of the tender notice (copy enclosed) may please be published in 2(two) local newspaper (One impression) in English and in Khasi each.
6. The Director Government Printing Press, Shillong along with a soft copy for publication in 2 (two) consecutive issue of Meghalaya Gazette.
7. Notice Board
8. M/S

In-Charge Director
Forensic Science Laboratory,
Meghalaya, Shillong

OFFICE OF THE DIRECTOR:: FORENSIC SCIENCE LABORATORY::
MEGHALAYA:: SHILLONG

Name of Equipment and its Technical Specification

1. MULTISPECTRAL HANDHELD DEVICE TO DETECT BODY FLUIDS
SPECIFICATIONS

A Mobile device with accessories and software for performing Blood, GSR, Body Fluids and Document examination with Macro and Micro Imaging, Archiving and Data Transfer features.

- Must have 13MegaPixel sensor capable of imaging at 330-1080nm \pm 20nm Spectral Range.
- UV-VIS and IR photographs can be taken.
- The built-in camera should have both Monochrome and Colour Imaging camera features.
- The built-in camera should have a fully automatic (AF) and one-touch auto focus features.
- Must have a f / 2.2 valued lens and it should capture the image up to the 10cm close range.
- Must have integrated UV/VIS and IR filters.
- The built-in PDA should have an IPS screen with minimum 7.9" and 1200x800 resolution.
- The PDA should have a CPU with minimum 2GB RAM
- Must have minimum 16GB internal memory and support minimum 32GB TF card support.
- It should have SIM card, 4G and Wi-Fi support features for mobile internet.
- The PDA should have OTG support for easy data transfer.
- The battery must have minimum 4,500mAh chargeable battery for energy usage of the tablet.
- The PDA battery should have 100-240V, 50/60Hz charger adapter and this adapter should be given with the system.
- The system battery should have a fast-charging Type-C input.
- The system should have a micro lens device which is capable of optical magnification.
- This micro lens system which is fully integrated with the system software should be able to display the micro areas by optical and digital zooming.
- Narrow bands Led groups should be attached on the built-in Micro Lens
- The Micro Lens should contain 6 Group Lights – White, UV, Violet, Blue, IR1 and IR2.
- Yellow, Orange, and 415nm Band pass filters should be easily integrated into the system.
- It should have built-in Macro Light apparatus.
- The system must have a built-in battery that is easily replaceable as a plug-in for at least 10,000mAh for energy usage of the tablet.
- The system must have an internal forensic imaging software.
- Should allow one touch switch between Colour and Mono Mode
- Camera should shoot different levels of resolution

- The Software should have advanced features such as Software Case information, archive platform, Macro and Micro Image archive platform, Assignment date-time and imaging note to each photo, Zoom on live image, Comparison with live camera running next to the old image, Comparison with live camera running over the old image, Image comparison and switching between images, Scaling, note taking, image rotation, cropping and drawing on recorded images, Sending detailed report or images via e-mail or USB flash memory, Backup function.
- Warranty 1 year

2. 3D LASER SCANNER TO DIGITAL AND RE-CONSTRUCT CRIME SCENES:

- 3D Laser Scanner measuring range : 70 metres radial or better
- Data capturing speed : Up to 2 million points/sec or better
- Measurement accuracy : ± 1 mm or better
- Angular accuracy : 19 arcsec or better
- Field of view : 360deg horizontal x 300deg vertical or better
- Temperature : Operating: $+5^{\circ}$ to $+40^{\circ}$ C | Extended Operating: -20° to $+55^{\circ}$ C
- Colour image resolution Up to 266 megapixels
- Scanning speed of <3 minutes per scan in HDR mode for faster capturing of crime scene
- Scanner should provide the ability for on-site registration of scan data in real-time through Stream App real-time scan streaming, registration, overview map, thereby eliminating the need for any further data processing/registration in workstation.
- Scanner should provide on-site compensation to verify scan quality before scanning
- Scanner should be able to show the scan locations on-site during scanning.
- Scanner should provide facility to re-take individual photographs in higher resolutions to capture critical evidence with higher details
- Scanner should have Automatic digital hashing of each scan within the scanner to cryptographically protect information and validate the integrity of data in courtroom with Software to identify the alterations made on the captured scan.
- Ability to remove moving/unwanted objects automatically during data processing.
- Scanner control: via touch screen display on scanner
- Integrated GNSS (GPS & GLONASS) sensor for precise geographical scan location
- Electronic compass & height sensor to give orientation and height information of scan
- Wi Fi to allow remote operation of the scanner
- Dual axis compensator to level each scan with an accuracy of 19 arcsec valid within $\pm 2^{\circ}$

- IP54 rated to be able to work in rough environments while providing protection from dust, debris and water splashes
- Data storage 32 GB SD Card – 5 Nos.
- Scanner should have strong LED indicator to indicate status of scanning & battery to provide a visual warning for people to maintain distance and not interrupt in scanning/evidence documentation.
- System should have scan pause functionality to avoid moving objects., person and vehicle in the scan so that scans do not have to be taken again or repeated so that the time can be saved.
- Battery should provide a backup of at least 4 hours.
- Light weight and portable to be carried to crime scenes, Weight 4.4kg (including Battery).
- Software for crime scene documentation, representation and reconstruction.
- Application software to process high resolution 3D point cloud and automatically register multiple scans.
- Take measurements
- Convert normal scanner images into HDR quality photos.
- Automatically filter the moving objects from scan data.
- Import orthographic images, Export 360° (panoramic) images and videos
- All software licenses have to be perpetual.
- System should be provided with high end laptop as given below:
 - Processor: Core i7 or better
 - RAM: 32GB or better
 - Graphic Card: NVIDIA 8GB memory or better
 - HDD – 128 GB SATA and 512GB HDD OR 1TB HDD
- Warranty: 2 Year manufacturer warranty.

3. OPTICAL COMPARATOR EXAMINATION SYSTEM

No	Spec Name	Value
1	Operating modes	Manual
2	Power supply	AC
3	AC	220 - 240 V
4	Display type	LCD
5	LCD	22 inches full HD display
6	Camera	Yes
7	Camera resolution	5 mega pixel
8	Light source	2 Lights
9	Camera	Auto-focus
10	Resolution	upto 50x
11	Screen resolution	1200 X 800
12	Colour mode on Device	6 Modes on Device
13	Colour mode - Software	33 Modes through Software
14	Screen brightness	1:10000
15	Focus	Lines, masks, and shades to focus on Evidence
16	Adjustment of monitor	Adjust the height and angle. Move the screen 180 degree
17	Computer Connectivity	Yes
18	Reading table	Yes
19	Reading table	Moves a full 16 inches from left to right

4. MAGIC MAGNIFIER WITH TFT MONITOR –

Sr. No.	Description
1	Sensor: high-pixel CMOS camera (5 million pixels)
2	Lens: low distortion infrared lens
3	Built-in 4GB internal memory
4	Light-filtering system: band-pass filter of visible light, high-pass filter of infrared light.
5	Camera function: can shoot spectrum pictures, Save JPG format
6	Amplification factor: 15X - 30x,
7	Field range: 21 × 15 mm to 10 by 7 mm can zoom
8	Display: 3.0 inch high-definition TFT-LCD screen
9	Size: 96mm (length) × 78mm (width) × 92mm (height)
10	Net weight: 200g
11	Power supply: DC 5V, 1000mA universal power supply adapter

5. FOOT PRINT LIGHT SOURCE TO IDENTIFY AND MARK FOOT PRINTS

Sr. No.	Description
1	Spot size: at 0.5 meter $\leq 8\text{cm} \times 54\text{cm}$ at 1 meter $\leq 18\text{cm} \times 85\text{cm}$
2	Spot illumination: at 0.5 meter $\geq 60000\text{Lx}$ at 1 meter $\geq 17000\text{Lx}$
3	Color temperature: 5000K
4	Power: $\geq 30\text{W}$
5	External dimension: $\leq 150\text{mm} \times 141 \times 26\text{mm}$
6	Lighting time: $\geq 60\text{min}$
7	Charging voltage: 8.4V
8	Battery capacity: 5600mA
9	Operating current: $\geq 1.4\text{A}$
10	Charging current: $\geq 1\text{A}$
11	Battery type: Lithium-ion battery
12	Light path characteristics: 2 sets of lens integrate the spot into flat light.
13	Working temperature: Normal temperature
14	Heat dissipation: Air cooling: (5 groups of mute heat dissipation fans)
15	Shell, black aluminum alloy
16	Net weight: $\leq 0.75\text{KG}$

6. UV & IR TORCHES

Sr No	Specification	Allowed Values	Product Specification
1	UV Torch	High Intensity	365 Nm
	Lamp Beads		XPE LED
	Wave Length		365 nm
	Size		6.22x133x102inc
	Zoom		5.35x133x102inch
	Material		aluminiumalloy
	Resistance		Water proof IPX4
	Power Supply		18650 3.7v / 3*AAA
2	IR Torch	Infrared Ray Zoomable Flashlight	850 Nm
	Lens material		Optical Convex Mirror
	Lamp cup type		convex lens
	Lumens		100lumens (MAX)
	Beam Range		Above 100m.
	Color type		Invisible Infrared Ray
	Material		Aluminum alloy
	Resistance		Water proof IPX4
	Power Supply		18650 3.7v / 3*AAA
	Color		Any
Size		138*40.5*28.5mm	

7. BODY FLUID IDENTIFICATION KITS FOR:

a. Spot Blood:

5 cassettes individually packed with 5 Dilution buffer

Features

- To Use 2 murine monoclonal anti-human haemoglobin anti bodies as active components. When haemoglobin is present, a red line will appear in the test region for a positive result.
- Internal control results are a red line in the control region for a valid test.
- Ready to use, robust kit; both cards and buffer can be stored at room temperature
- Long shelf life of 24 months from manufacturing date
- For Fast and accurate reading
- Very high sensitivity: detects 20 ng/ml haemoglobin or a 10^{-7} dilution of blood

High specificity: cross-reactivity only with upper primate blood and ferret blood (weak); no reaction with animal blood so easy to differentiate between animal and human blood instantly.

b. Semen:

5 cassettes individually packed 5 -Dilution buffer

Features

- Ready to use, robust kit; card and buffer can be stored at room temperature, no complexity in storing.
- Long shelf life of 24 months from date of manufacturing
- For fast and accurate readings
- High Sensitivity : detects 1 ng/ml PSA or a 10^{-6} dilution of semen

High Specificity: cross reacts only with these fluids of primates

c. Saliva:

5 cassettes individually packed

5 Dilution buffer

- Ready to use, robust kit; both cards and buffer can be stored at room temperature
- Long shelf life of 24 months after manufacture
- For fast and accurate readings
- Very Sensitive: 1:10,000 dilution of saliva shows positive result

Specific: no reaction with animal amylase except for primates; cross-reaction observed with pancreatic amylase

d. Menstrual Blood:

5 cassettes individually packed 5 Dilution buffer

- Fast, sensitive and reliable presumptive test for menstrual blood
 - Human d-dimer as marker for menstrual blood
 - Human haemoglobin as control marker for human blood
 - Ready-to-use, validated kit
 - Buffer and card storable at room temperature
 - When menstrual blood is present, a red line will appear in the test region (M) for a positive result. The control line (P) will confirm the presence of human haemoglobin.
 - Sample material remains suitable for other commonly used methods such as DNA extraction and profiling
 - Long shelf life of 24 months after manufacture
-

8. Mini Mobile Forensic Crime Scene Investigation Vehicle

a. Vehicle Specifications:

Sr. No.	Description	Specification
1	Make	Isuzu (BS-VI)
2	Model	Hi-lander
1	Engine	
2	Type	4Cylinder, Common Rail, VGS Turbo Intercooled Diesel
3	Engine Displacement (cc)	1898
4	Max Power (kW/hp @ rpm)	120/163 @ 3600
5	Max Torque (Nm @ rpm)	360 @ 2000-2500
6	Transmission	
7	Drive Type	2WD System
8	No. of Speeds, Shift Type	6 Speed, Manual
9	Suspension	
10	Front	Independent Double Wishbone, Coil Spring
12	Rear	Soft Ride, Leaf Spring
13	Wheel	
14	Tyre Size	245/70 R16
15	Tyre Type	Radial, Tubeless
16	Rim Type	Steel
17	Brakes and Steering	
18	Front Brake Type	Ventilated Disc with Twin-Pot Calipers
19	Rear Brake Type	Drum
20	Steering Type	Hydraulic Power Assist with Tilt Adjustment
21	Dimensions	
22	Overall Vehicle (LxWxH)(mm)	5295 x 1860 x 1785
23	Wheelbase (mm)	3095
24	Deck Inner (LxWxH)(mm)	1485 x 1530 x 465
25	Track Front/Rear (mm)	1570
26	Seating Capacity (Incl. Driver)	5

b. Fabrication Specifications

1	Body Fabrication
2	Inner painting works & Rear 2 door opening
3	Electrical wiring with cabin lights - 2 nos
4	Fire Extinguisher – 1 nos
5	9 to 10 boxes to be placed inside the cabin
6	Lights with siren and PA system
7	Rear Foot step
8	Body painting works & Labeling
9	GPRS Tracking device - 1 no
10	Flood lights & 2 side door lights -2
11	Art work will be supplied

12	Antenna
13	2 sides Glass window and Rear doors Glass windows
14	Plug Point 5 AMS & 15 Amps
15	2 NOS Fan is required
16	Wooden floor
17	Rear Door Handle
18	Vehicle polishing
19	Labeling – Branding
20	Side Foot step

c. Kits and their Specifications:

Scientific Kits

- ❖ Crime Scene Cordoning kit
- ❖ Foot & tyre Casting kit
- ❖ UV & IR Torch Lights with Batteries
- ❖ Blood & Semen Testing Kit
- ❖ Sexual Assault Kit
- ❖ Explosive Detection Kit
- ❖ Gun Powder Particle Test Kit
- ❖ Bullet Hole Testing Kit
- ❖ Narcotic Detection Kit
- ❖ Evidence Packing & Collection Kit
- ❖ General Investigation
- ❖ Magic Magnifier with TFT Monitor
- ❖ Set of Magnifiers
- ❖ SOC Sketch Kit
- ❖ DSLR Camera

Crime-Scene Cordoning Kit

Sr. No.	Specification	Qty
1	Crime Scene Barrier Post with base plate	04 Nos
2	Crime Scene Barrier Tape - 500ft	02 Nos
3	Flasher	02 Nos
4	Carry Bag	01 No.

Foot & Tyre Casting Kit

Sr. No.	Description	Qty
1	Foot Print Frame – Aluminum (14"x8"x2")	02 Nos
2	Release Reagent / Hardener - 200ml	03 Nos
3	Mixing Bowl - Flexible, Small & Large	01 Each
4	Spatula - Steel	03 Nos
5	Mixing Spoon	01 No.
6	Measurement Tape	01 No.
7	Evidence Tag – Pre Printed, 100nos	2 Pkts
8	Wire Gauge - 4"x10"	20 Nos
9	Plaster / Casting Material - 200Gm packs	10 Nos
10	Spray Power Unit	02 Nos

11	Water Container	02 Nos
12	Spray Paint to Mark Evidence Area	01 No.
13	Surface Brush - Normal	01 No.
14	Molding Clay - 250gm	01 No.
15	Torch Light	01 No.
16	Tweezers	02 Nos
17	Liquid Soap with Case	01 No.
18	Towel	01 No.

UV & IR Torch Lights with Batteries

Sr. No.	Description	Qty
	UV Torch Light Specifications	1 No
1	Lamp Beads: XPELED	
2	Wavelength: 365 nm	
3	Size:6.22x 1.33x 1.02inch;zoom out:5.35x 1.33x 1.02inch	
5	1Modes: High	
6	Integrated reflector and orange aluminum alloy	
7	Aluminum metal with black oxide shell	
8	Battery: 3 AAA included	
	IR Torch Light Specifications	1 No
1	Lens material: optical convex mirror	
2	Lamp cup type: convex lens	
3	Lumens : 100lumens (MAX)	
4	Beam Range: 130m	
5	Color type: Invisible Infrared Ray	
6	Number of Modes: 1	
7	Mode Arrangement : Strong	
8	Material: Aluminum alloy	
9	Waterproof: IPX4	
10	Voltage: 3.7~4.2v	
11	Power Supply: 1* 3*AAA	
12	Switch Location: tail cap	
13	Switch Type: clicky	
14	Reflector: Aluminum Smooth	
15	Color: Black	
16	Size: 138*40.5*28.5mm	

Blood & Semen Testing Kit

Sr. No.	Description	Qty
1	FTA Cards- 2 Spot	25 Nos
2	Contact Filter Papers (pack of 100) 1" x2"	02 Nos
3	Whatman Filter Paper-No1, 6" dia	1 Pkt
4	Blood Stain Detection Tablets-Which does not destroy DNA (8Nos)	1 No
5	Blood Stain Detection Strips (Based on Peroxide like activity of hemoglobin)	50 Strips
6	Blood Origin Identification Cassettes (Anti Human Monoclonol Hemaglobin Antibody based)	12 Nos
7	Bottle of Distilled Water, 125 ml in Aerosol Sprayer	02 Nos
8	Cotton Swabs	50 Nos
9	Cotton Gauze Roll- Small	20 Nos.
10	Scissors Stainless Steel- 6" size	01 No.
11	Forceps Stainless Steel- 6" size	01 No.
12	NITRILE Gloves	10 Pairs
13	Free Size Disposable Plastic Hand Gloves	50 Nos
14	Rubber Hand Gloves	2 Pairs
15	Evidence Identification labels. " Crime Evidence"	20 Nos
16	Zip Lock bags- 5"x7"	20 Nos
17	Spot Test Cards of Acid Phosphatase Tests Pouches with filter paper, distilled water	3 Pkts
18	PSA Test Cassettes with droppers, buffer solution & microcentrifuge tubes	20 Nos
19	Paper envelopes	20 Nos.
20	UV LED Torch- 365nm with 3 AAA batteries and 1-Orange Googles	01 No.

Sexual Assault Kit

Sr. No.	Description	Qty
1	Swabs with Protected Cover	10 Nos
2	Nitrile Gloves	05 Pair
3	Masks	10 Nos
4	EDTA Vials	10 Nos
5	Urine Vials	10 Nos
6	Paper bag(Big & Small)	10 each
7	Small paper Envelopes	10 Nos
8	Cotton Guaze Roll	04 Nos
9	Cotton Ball	1 Pkt
10	Marker - Red & Blue	1 Each
11	Wooden Nail Scrubber	01 No.
12	Scissor	01 No.
13	Glass Slide with protective cover	02 Nos
14	Distilled Water 10 ml	05 Nos
15	Chain of Custody labels (25 nos.)	1 Set
16	Pubic Hair Combs	02 Nos
17	Soft Brush	01 No.
18	Syringe 2 ml	02 Nos
19	Syringe 5 ml	05 Nos
20	Wooden Spatula	02 Nos
21	Anal Speculum (for Junevile & Adults)	01 each
22	Vaginal Speculum (for Junevile & Adults)	01 each
23	Carrying case	01 Nos

Explosive Detection Kit

Sr. No.	Description	Qty
1	General Screening Test	4
2	Urea Nitrate Test	4
3	Ammonium Nitrate Test	4
4	TATP/Peroxide Test	4
5	Chlorate/ Bromate Test	4
6	Suitcase with Instruction Sheet	1

Gun Powder Particle Test Kit

Sr. No.	Description	Qty
1	Crushable Ampoules	20
2	Gunpowder Particle Collection Lifters	20
3	Straight handle magnifier	2

Bullet Hole Testing Kit

Sr. No.	Description	Qty
1	Lead Solvent	10 Units
2	Lead Reagent	10 Units
3	Copper Solvent	10 Units
4	Copper Reagent	10 Units
5	Testing Papers	02 Pkgs of 25
6	Plastic Bags	100 Units
7	Technical Report	4 Units
8	Ruler	1 Unit

Narcotic Detection Kit

Sr. No.	Description	Qty
1	10- Marquis Reagent (Opium Alkaloids)	10 Nos
2	10- Ehrlich's Reagent (LSD)	10 Nos
3	10- Scott Reagent Modified (Cocaine HCl, Crack)	10 Nos
4	10- Mecke's Reagent (All Heroin)	10 Nos
5	10- Sodium Nitro Prusside Reagent (Methamphetamine, MDMA)	10 Nos
6	1- Acid Neutralizer, 1 oz. (30ml)	01 No.
7	1- Black Plastic Copolymer Carrying Case;	01 No.
8	Carry- Case Brief Case	01 No.

Evidence Packing & Collection Kit

Sr. No.	Description	Qty
1	3 Mtr Tape Measure	01 No.
2	Rechargeable White LED Flashlight	01 No.
3	Roll of Evidence Sealing Tape	01 Nos
4	Set of Crime Evidence Labels (3½" x 6") & Tags (50 each)	01 No.
5	Chain of Possession Labels, 3½" x 6"	10 Nos
6	Set of Pre Printed Write Block Zip-Top Evidence Bags 6"x10" & 9"x12" (10 each)	01 No.
7	Blue Light wit batteries	01 No.
8	Big, Medium & Small – Evidence Collection Lifters	10 Nos
9	Stainless Steel Scissors, Forceps & Spatula	02 Nos

10	Carbide Tipped Scriber	01 No.
11	Evidence Knife	01 No.
12	Marker, Black, Blue, Green, Red & White	01 No.
13	Liquid Sampling Pipettes	04 Nos
14	Illuminated Round Magnifying Glass	01 No.
15	Probe with Paint Chip Cutter	01 No.
16	Pack of Marking Chalk	06 Nos
17	Blood Collection Tubes with EDTA 10 ml	06 Nos
18	Disposable Syringes	06 Nos
19	Plastic Containers with Cap	06 Nos
20	Amber & Transparent Plastic Jars with Caps	06 Nos
21	Disposable Latex Glove Pairs, Face Mask, Shoe Cover & Head Cover	06 Nos
22	Set of Bio Hazard Bags 8"x12" (Pack of 20)	01 No.
23	Bio Hazard Labels, 3½" x 6"	10 Nos
24	Set of Pre Printed Evidence Envelope 6"x9" & 9"x12" (10 each)	01 No.
25	Set of Pre Printed Kraft Evidence Bags 8"x5"x18" (10 each)	01 No.
26	Set of Pre Printed Evidence Box 10"x5" (10 each)	01 No.
27	Set of Pre Printed Leak Proof Specimen Bags 7"x10" (10 each)	01 No.
28	Set of Fire Tin for Bullet Small & Big (10/4)	01 No.
29	Set of Thread, Needle, Sealing Wax & Cloth	01 No.
30	Set of Candle, Match Box	01 No.
31	Multi-Function Tool	01 No.
32	Carry Case – Briefcase	01 No.

General Investigation

Sr. No.	Description	Qty
1	Spray Marking Paint, 350 Gm	01 No.
2	Barrier & Warning Tape, 500ft	01 No.
3	Digital Distance Measuring Device	01 No.
4	Laser Light Pen	01 No.
5	Direction Compass	01 No.
6	Small Battery operated UV light	01 No.
7	Elimination kit (Pad & slips)	01 No.
8	Folding Scale	01 No.
9	Rigid photo Scales (white)	01 No.
10	Rigid photo Scales (Grey)	01 No.
11	Large type Torch	01 No.
12	Pocket Knife	01 No.
13	Swiss Knife 21 functions	01 No.
14	Magnifier (4" mm dia.)	01 No.
15	Vernier Guage (Digital)	01 No.
16	Scissors-4" & 6"	1 Each
17	Metal Mirror	01 No.
18	Magnet Pick Tool (Pen Type)	01 No.
19	Set of Forceps	01 No.
20	File	01 No.
21	Scalpel	01 No.
22	Nitrile Gloves	20 Nos

23	Pack of Assorted Evidence Lables	01 No.
24	Molded Plastic Evidence Containers	05 Nos
25	Set of Evidence Bags	05 Nos
26	Fire Tins	01 No.
27	Set of Permanent Marker Pens (Red, Black, Green)	2 Set
28	Soap Towel	02 Nos
29	Dust Mask Shoes Cover & Head Covers.	10 Each
30	Steel Measuring Tape - 5M	01 No.
31	Glass Cutter	01 No.
32	Ratchet screwdriver with Assorted Heads	01 No.
33	Electric Test Master Screwdriver	01 No.
34	Junior Hacksaw	01 No.
35	Wire Cutter	01 No.
36	N95 Filter mask	10 Nos
37	CARRRYING CASE	01 No.

Magic Magnifier with TFT Monitor - 1 No

Sr. No.	Description
1	Sensor: high-pixel CMOS camera (5 million pixels)
2	Lens: low distortion infrared lens
3	Built-in 4GB internal memory
4	Light-filtering system: band-pass filter of visible light, high-pass filter of infrared light.
5	Camera function: can shoot spectrum pictures, Save JPG format
6	Amplification factor: 5x、 30x、 60x 100x
7	Field range: 21 × 15 mm to 10 by 7 mm can zoom
8	Display: 3.0 inch high-definition TFT-LCD screen
Sr. No.	Description
9	Size: 96mm (length) × 78mm (width) × 92mm (height)
10	Net weight: 200g
11	Power supply: DC 5V, 1000mA universal power supply adapter

Set of Magnifiers

Sr. No.	Description	Qty
1	Illuminated White Round LED Magnifier	01 No.
2	Hands Free Head Magnifier	01 No.
3	Normal Round Magnifier 3" Dia 3x	01 No.
4	Folding Magnifier/ Linen 5x	01 No.

SOC Sketch Kit

Sr. No.	Description	Qty
1	Portable Drawing Board	01 No.
2	Graduated, Removable Straight Edge	01 No.
3	Protractor Drafting Head	01 No.
4	Reversible Feet (Set)	01 No.
5	Supplies Storage Pouch	01 No.
6	Sketching Paper, 11" x 17"	10 No.
7	Neck Strap	01 No.
8	Crime Scene Template	01 No.
9	Traffic Template	01 No.
10	Lavatory Planning Template	01 No.
11	House Furnishings Template	01 No.
12	Store Layout Template	01 No.
13	Office Plan Template	01 No.
14	Universal Compass	01 No.
15	100ft/30m Steel Rule	01 No.
16	Set of Professional Drawing Instruments	01 No.
17	Vinyl Carrying Case with Handle	01 No.

DSLR Camera

Sr. No.	Parameters	Specifications
1	DSLR Camera	Latest Model
2	DSLR Camera	With Bag with 32Gb Memory Card