



GOVERNMENT OF ARUNACHAL PRADESH  
OFFICE OF THE DIRECTOR GENERAL OF POLICE,  
POLICE HEADQUARTERS, ITANAGAR

No. PHQ/MT-760/2024

Dated Itanagar, the 14<sup>th</sup> November/2024.

**TENDER NOTICE**

On behalf of the Governor of Arunachal Pradesh, Director General of Police, Arunachal Pradesh, Itanagar invites Sealed Tenders under two Bid systems (Technical & Financial Bid) from the interested manufacturers, authorized agents/ dealers/suppliers of reputed firms registered in Arunachal Pradesh for entering into contract for supply of 5 (five) nos Mobile Forensic Vans to the Arunachal Pradesh Police.

For details, please visit our web site - [www.arunpol.nic.in](http://www.arunpol.nic.in).

Sd/-

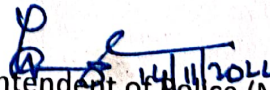
Director General of Police  
Police Headquarters, Itanagar  
Arunachal Pradesh

No. PHQ/MT-760/2024

Dated Itanagar, the 14<sup>th</sup> November/2024.

Copy to:-

1. The Director of Information and Public Relations, Govt. of Arunachal Pradesh, Naharlagun for information and wide Circulation. He is also requested to pass necessary order for publication of the above Tender Notice in one leading newspaper of Arunachal Pradesh on 18/11/2024.
- ✓ 2. The In-charge Computer Cell, PHQ, Itanagar. The tender notice along with lists of equipments with specifications may be uploaded in the website of Arunachal Pradesh Police.
3. Office copy

  
Superintendent of Police (MT),  
PHQ, MT Unit, Itanagar  
Arunachal Pradesh  
Supdt. of Police (MT)  
PHQ, MT, Chimpu  
Itanagar  
Arunachal Pradesh



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### A. Details –

Sl. No.	Description of items to be procured	Quantity	Approx. Cost of tender	Earnest money required	Tender Fee (Non-refundable)
1	Mobile Forensic Van (Kits details attached at Annexure –A, B, C, D & E)	5	@₹ 72,00,000/-X5 ₹ 3,60,00,000.00	₹ 7,20,000/-	₹ 1,000/-

### B. Critical date sheet:-

Sl.No.	Particulars	Date	Time
1	Date of publication of Tender	18-11-2024 (Monday)	-
2	Bid submission start date	From the date of publication onward	Daily from 0900 Hrs to 1630 Hrs except holidays.
3	Bid submission end date	11-12-2024 (Wednesday)	1630 Hours
4	Physical submission of earnest Money deposit/Bid Money and cost of Tender Documents (Tender fee).	With technical bids. Whoever, the tenderer who want to obtain tender document from SP(MT) chimpu, tender fee Rs. 1000/- (Bank Draft in favour of SP(MT)Chimpu , payable at SBI, Itanagar) may be furnished at the time of obtaining the tender documents from MT office.	
5	Pre-bid conference at IGP (Admn) Chamber, PHQ, Itanagar	28-11-2024 (Thursday)	1100 Hours
6	Date of Technical bid opening	12-12-2024 (Thursday)	1100 Hours

### C. General instructions –

1. The Technical and Financial bids are to be sealed separately in two different envelopes clearly superscribing "Technical and Financial bids" and then both are to be kept in one envelope and sealed properly. The sealed tendered/ bids should be superscribed with "Tender for Forensic Mobile Van and Addressed to Superintendent of Police (MT), Chimpu Itanagar, Arunachal Pradesh -791113".





**Envelope -1:-Technical Bids** - It shall contain copies of eligibility information as under:-

- a) Technical bid along with its specification leaflets, brochure & catalogue
- b) Tender documents duly completed and signed but without indication of the rates quoted.
- c) Earnest Money @ 2 % of the total amount must be attached in form of DD/TDR/FDR of Nationalized Bank/Post offices duly pledged in favour of SP (MT), Chimpu Itanagar. However, the firms registered under MSME are exempted for earnest money. They must submit a copy of registration certificate of MSME.
- d) Attested copy of PAN Card.
- e) Attested copy of firm GST Registration.
- f) Valid Trading license issued by competent authority for the tendered items.
- g) Letter of OEM Authorized Certificate, if any.
- h) Financially soundness certificate of firm from the concerned Branch Manager of Bank from where the firm operates (The bidder must have annual turnover of Minimum 5 crore in the last 3 years ).
- i) Attested copy of last three years Income tax return of the firms.
- j) Experience certificate of firm which must contain name designation, address, Phone No. , Fax No., Mail ID (if any) of Issuing Officer. The certificate should be countersigned by concerned OFFICE HEAD/DEPT. HEAD
- k) Any other relevant documents which the firm wishes to submit.

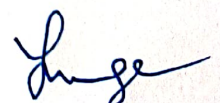
**Envelope -2:- Financial Bid** - It shall contain documents on "Financial Bid". Financial bids shall be opened only of those bidders who have been declared technically qualified by the committee.

2. The tenders will be received up to 1630 hours on 11-12-2024 at SP (MT) office, Chimpu and open publicly in the office chamber of IGP (Admn) PHQ, Itanagar at 1100 hours on 12-12-2024. If the office remains closed on the said day for any valid reason, the tender will be opened on the next working day at the same time and at the same venue. The tenderers or their authorized (with authorization proof) representative have the liberty to be present at the time of opening of tenders.
3. All the tenders must be accompanied with earnest money of Rs. 7,20,000/- (Rupees Seven Lakhs twenty thousand only). Tenders without earnest money will summarily be rejected. The tenderers are required to pledge National Saving Certificate (NSC)/ Kishan Vikash Patra (KVP) / DD etc of nationalized bank/ post office in the form of earnest money in the favour of Superintendent of Police (MT), PHQ, MT Unit, Chimpu.
4. Successful tenderes will be required to deposit Rs.18,00,000/- (Rupees eighteen lakhs only) i.e. 5% of the total value of the article to be supplied as Security money within 15 (fifteen) days from the date of issue of letter of acceptance of tender. The successful tenderers will have to enter into a "Deed of Agreement" stipulating the terms and conditions of the contract. Security deposit will subject to forfeiture in





- case of non-fulfillment of any or all the terms and conditions of the contract. Earnest money of the successful tenderers will be forfeited to the Government in case of failure to furnish Security deposit and execution of Deed of Agreement.
5. The sealed tender should be sent by Registered post or put in the Tender Box kept in the office of the undersigned SP(MT) PHQ MT Unit Chimpu, Itanagar on any working day from 0930 Hrs to 1600 Hrs.
  6. Successful tenderers have to supply the items within 120 days from the date of issue of Supply order failing which the deposited security money Rs.18,00,000/- (Rupees eighteen lakhs only) will be forfeited and supply order will be cancelled.
  7. Any breakage or loss of any items enroute or in transit will be at the supplier's risk.
  8. If any item is found damaged or otherwise unacceptable at the time of delivery/ inspection, the suppliers will be required to remove the same from SP(MT) Office, Chimpu, Itanagar, Arunachal Pradesh at their own cost within 15 days.
  9. Rate should be quoted F.O.R. SP(MT), PHQ, MT Unit, Chimpu, Itanagar Arunachal Pradesh by road transport (Freight paid). Rate quoted other than F.O.R. SP (MT), PHQ, MT Unit, Chimpu, Itanagar shall not be accepted, no packing or forwarding charges will be allowed.
  10. The supplier should indicate the GST elements separately in their tender.
  11. Any escalation in price shall not be entertained after finalization and signing of Deed of Agreement.
  12. A sum equivalent to 0.5% of the delivery price of the delayed vehicle for each week delay or part thereof beyond the original contract delivery period will be recovered upto a maximum of 10% as Liquidated Damage charges.
  13. The applicable TDS will be deducted at source from the bills by D.D.O. and deposited into the Government Account through challan.
  14. Payment will be made only after the proper verification of the Mobile Forensic Vans by the constituted committee.
  15. The Director General of Police, Arunachal Pradesh, Itanagar, reserve the right to reject the lowest or all or any of the tenders without assigning any reason thereof.
  16. The tenderer should sign in every page of the tender bearing rates. Similarly, the tenderer should also authenticate all correction of rate/ items in the tender, if any.
  17. Tender will remain valid up to 31/3/2025.
  18. The tenders must also accompany valid license for trading of these required items and experiences in supply.
  19. All the chemical/kits and accessories supplied shall be on warranty for a minimum period of one year.





19. Performance security:

(i) Performance security is to be deposited by the successful bidder awarded the contract. Performance security is to be deposited by the successful bidder irrespective of its registration status, etc. Performance security should be for an amount of 5% of the value of contract. Performance security may be furnished in the form of an account payee demand draft, fixed deposit receipt from a commercial bank in favour of SP(MT) PHQ, Chimpu, Itanagar.

(ii) Performance security will remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.

20. The supplier shall submit undertaking to provide after sale service for minimum five years from the date of the supply of the Mobile Forensic Vans.

21. The Mobile Forensic Vans should have proper branding/leveling "Mobile Forensic Van". (In bilingual form) in both sides.

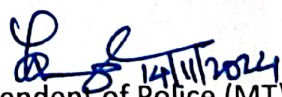
22. In case of any dispute arising in between the parties, the ultimate authority will be the Director General of Police, Arunachal Pradesh.

23. In case of any query, bidders may contact the following phone no. and mail ID.

Officer	Contact No.	e-mail id
Addl. Superintendent of Police (MT), Chimpu	9436288948	spmt2024@gmail.com

**Note :** In view of the Government policy of "Vocal for Local" and "Atma Nirbhar Bharat" to encourage local entrepreneurs vide No. FIN/E-30/2017/675 dated 19/08/2020, the firm registered within Arunachal Pradesh can only participate in the tender process.

For more details, visit Arunachal Police website [www.arunpol.nic.in](http://www.arunpol.nic.in)

  
Superintendent of Police (MT),  
PHQ, MT Unit, Chimpu.  
Itanagar.



## **ANNEXURE-A**

<b>I. TECHNICAL SPECIFICATION OF MOBILE FORENSIC VAN.</b>	
<b>Specification</b>	<b>Specification of MFV with Customized Interior on make in India vehicle.</b>
Fuel	Diesel/Petrol
Engine Capacity cc	2100cc-3000cc
Max Engine Power BHP	75BHP to 135 BHP
Max engine torque Nm	200Nm-300Nm
Ground Clearance mm	180-220 mm
Wheelbase mm	2600-3400 mm
Type of steering	Power Steering
Fuel Tank Capacity Ltr	60-90 Liters
Length of body mm	4400-5500mm
Width of Chassis mm	1700-2000mm
Height of Chassis mm	1800-2200mm
Vehicle Mileage km/ltr	10KM.Liters or better
Warranty period inclusive of warranty of battery (month)	3 Years or 1 lakh KM, whichever is earlier.

**II. Technical Specification if Internal fabrication, with customised furniture/fixture in MFV are as under:-**

<b>Body options (INTERNAL FABRICATION)</b>	
Seating Facility	Comfortable seating arrangements for minimum 4 persons (D+4).
Interior Noise Level	Vehicle/interior should be specially designed such that there is low noise , shockproof, no vibration, low harshness level with power steering facility.
Internal Panelling	Complete interior panelling with appropriate, non-corrosive and acid /alkali resistant materials as per international standards. It should also be water-proof and specially fitted with customized design to accommodate specially designed kits and accessories.
Preservation Facilities	There should be appropriate preservation facilities for various perishable /destroyable evidences.
Platform	U-Shaped fixed working platform with Wash basin. It will also serve as storage cabinet





## **ANNEXURE-B**

### **Technical Specs for Scientific Kits for the Mobile Forensic Vehicle List of Basic kits**

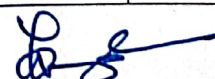
1	Crime Scene Protection /Cordoning Kit
2	General Investigation Kit
3	Evidence Collection and Packing Kit
4	Complete Fingerprint Lifting Ki
5	Latent Fingerprint -Development Kit
6	Footprint and Tyre Print Casting Kit
7	High-Intensity Forensic Light Source
8	Blood and Semen Screening and Collection Kit
9	DNA and Sexual Assault Evidence Kit
10	Narcotics Screening and Collection Kit
11	Explosive Screening and collection Kit
12	Arson Investigation kit with Gas Detection
13	Gun Shot Residue Screening and collection kit
14	Bullet Hole Screening and Collection Kit

#### **1. Crime Scene Protection/Cordoning Kit**

SI NO	PRODUCT DESCRIPTION	QNTY
1	Crime Scene Protection Foldable Plastic Barrier with Metal Base Stands.	4
2	Crime Scene Barrier Tape-50 Mtr (Crime Scene Do Not Enter) With Rewinder.	2
3	Crime Scene::Marking flags (Pack of 12)	1
4	Rechargeable LED And LASER Beam Flasher	4
5	Crime Scene Marking Pyramid (A to Z And O To 9)	1
6	Crime Scene Marking Cones	2
7	Customized Camina Case	

#### **2. General Investigation Kit.**

SI NO	PRODUCT DESCRIPTION	QNTY
1	Spray Marking Paint.350 gm	1 No
2	Crime Scene Barrier Tape-50 Mtrs (Crime Scene Do Not Enter)With Rewinder	1 No
3	Laser Distance Measuring Device	1 No
4	Laser Light Pen	1 No
5	Direction Compass	1 No
6	Elimination Kit (Pad &Slips)	1 No
7	Folding Scale	1 No
8	Rigid Photo Scales (Black &White)(Pack Of 12 Each)	1 (12 Pcs)

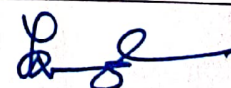




9	Self-Adhesive Mini Scale 20 Mm(150 Nos)-01 Roll	1 No
10	White 12 LED Hi Power Torch (800 Lumens)	1 No
11	Pocket Knife	1 No
12	Swiss Knife 21 Functions	1 No
13	4"Dia Magnifier	1 No
14	Vernier Guage (Digital)	1 No
15	Scissors	1 No
16	Metal Mirror	1 No
17	Magnet (Pen Type)	1 No
18	Set of Forceps	1 No
19	File	1 No
20	Scalpel	1 No
21	Rubber Gloves	1 No
22	Disposal Gloves	1 No
23	Pack of Assorted evidence labels	1 No
24	Molded Plastic Evidence Container	1 No
25	Set of Evidence Bags	1 Pack
26	Book of Transfer Numbers	1 No
27	Set of Permanent Markers Pen	1 No
28	Soap Towel	1 No
29	Dust Mask, Shoe Cover & Head Cover	10 Each
30	Steel Measuring tape	1 No
31	Glass Cutter	1 No
32	Ratchet Screw driver With Assorted Head	1 No
33	Electric Test Master Screwdriver	1 No
34	Junior Hacksaw	1 No
35	Pliers	1 No
36	Wire Cutter	1 No
37	Customized Carrying Case	1 No

### 3. Evidence Packing and Collection Kit

SI NO	PRODUCT DESCRIPTION	QNTY
1	3 Mtr Tape Measure	1 No
2	Rechargeable Led Flash Light	1 No
3	Roll of Tamper Proof evidence sealing tape	1 No
4	Roll of Evidence Sealing Tape	1 No
5	Chain of Possession Labels	20
6	Set of Printed Write Block zip-top evidence bags 4"x6" 6"x10"and 9"x12"20pcs each	1 No
7	Set of Preprinted Evidence Envelopes 5"x 3",6"x 9" & 9" x 12" (20 each)	1 No
8	Set of Preprinted Kraft Evidence Bags 5"x 3"x 9", 7"x 4"x 13" & 8"x 5"x 18"(20 each)	1 No
9	Set of Pre Printed Leak Proof Specimen Bags 4"x6" 6 x 10" & 9"x 12" (20 each)	1 No
10	Set of Bio Hazard Bags 8"x12"(Pack of 20)	1 No
11	Set of Bio Hazard Labels	10
12	Set of Fire Tins for Bullet Small &Big 10 each	1 No





13	Collection Tubes with EDTA	6 Nos
14	Disposal Syringes	6 Nos
15	Amber & Transparent Plastic Jars with caps	6 Nos
16	Plastic Container with cap	6 Nos
17	Set of Thread Needed Sealing Wax & Cloth	1 No
18	Set of Candle Match Box	1 No
19	Set of Crime Evidence Labels & Tags (20 each	1 No
20	Ultraviolet light with Batteries	1 No
21	Big, Medium, Small Evidence Collection Lifter	10 Nos
22	Stainless steel Scissors, Forceps & Spatula	2 Nos
23	Carbide Tipped Scribe	1 Ng
24	Multi tool (21 Functions)	1 No
25	Pocket Knife	1 Ng
26	Marker, Black, Blue, Green, Red & White	1 No
27	Liquid Sampling Pipettes	4 Nos
28	3" Round Magnifying Glass	1 No
29	Probe with paint Chip Cutter	1 No
30	Disposable Latex glove pairs, face mask, shoe Cover & Head Cover.	6 nos
31	Customized Carrying Case	1 Nos

#### 4. Complete Finger Print Taking Kit

SI NO	PRODUCT DESCRIPTION	QNTY
1	Finger Print Taking Slab (Black - Fibber Glass) 6"x10"	1 No
2	Finger Print Ink (Black, 120gm Tube)	1 No
3	Finger Print Roller (Black Rubber 4" with Stand)	1 No
4	Finger Print Round Pad (2" Dia Inkless)	1 No
5	Finger Print Rectangular Pad (3"x5")	1 Ng
6	Palm Print Rectangular Pad (6"x8")	1 No
7	Finger Print Card Holder (A4 Size, Plastic Molded)	1 No
8	Finger Print Search Slips (Can be Customized - Pack of 100)	1 No
9	Finger print Record Slips (can be Customized - Pack of 100)	1 No
10	Finger Print Cadaver Spoon (Stainless Steel)	1 No
11	Finger Print Cadaver Straightener (steel - Set of 3)	1 No
12	Finger Print Concave Roller 2 inches for Cadaver	1 No
13	Finger Print Ridge Builder (100ml - Set of 2)	1 No
14	Fingerprint ink Cleaning Towelettes (Pack of 100)	1 No
15	Portable Folding Working Station / Table	1 No
16	All in Carry case	2 Nos

#### 5. Latent Fingerprint Development Kit

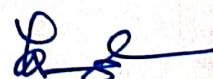
SI NO	PRODUCT DESCRIPTION	QNTY
1	Fingerprint Regular powder black	50 grms
2	Fingerprint Regular powder Grey	50 grms
3	Fingerprint Regular powder White	50 grms
4	Fingerprint Regular powder Dual Use	50 grms



5	Fingerprint Magnetic Powder Black	50 gms
6	Fingerprint Magnetic Powder Grey	50 grms
7	Fingerprint Magnetic Powder White	50 grms
8	Fingerprint Magnetic Powder Dual Use	50 grms
9	Fingerprint Fluorescent Powder Red	50 grms
10	Fingerprint Fluorescent Powder Yellow	50 gms
11	Fingerprint Fluorescent Powder Green	50 gms
12	Fingerprint Fluorescent Powder Orange	50 grms
13	Fingerprint Fluorescent Magnetic Powder Red	50 grms
14	Fingerprint fluorescent Magnetic Powder Yellow	50 grms
15	Fingerprint fluorescent Magnetic Powder Green	50 gms
16	Fingerprint fluorescent Magnetic Powder Orange	50 gms
17	Fingerprint Feather Marabou Brush (Black & White)	1 No each
18	Fingerprint Feather Ostrich Brush	1 No
19	Fingerprint Magnetic Powder Applicator	1 No
20	Fingerprint Black Lifter (Pack of 24)	1 No
21	Fingerprint White Lifter (Pack of 24)	1 No
22	Fingerprint Transparent Lifter (Pack of 24)	1 No
23	Fingerprint Black Backing Cards (Pack of 24)	1 No
24	Fingerprint White Backing Cards (Pack of 24)	1 No
25	Latent Iodine Print Process with Fixative	1 Set
26	Magnifier with light illuminated 3" x 3" Dia	1 No
27	Magnifier Light Illuminated Scaled Fixed Focus 8x	1 No
28	Magnifier/Linen Tester folding light illuminated 5x	1 No
29	Portable evidence blue led lamp batter operated	1 No
30	Scissors	1 No
31	Scalpel	1 No
32	Tweezers	1 No
33	Evidence Marker fine Tip Black, Blue, Red	1 No
34	Small Particle Reagent kit: Dark and Light with Spray 500mm	3 Bottle
35	Customized Carrying Case	1 No

## 6. Foot & Tyre Print Casting Kit

Sl. NO.	PRODUCT DESCRIPTION	QNTY
1	Foot Print Frame Aluminium(14"x8"x2")	1 no
2	Release Reagent /Hardener 200 M	2 nos
3	Mixing Bowl Small & Big	1 each
4	Spatulate Steel	1 no
5	Mixing Spoon	1 no
6	Measuring tape	1 no
7	Evidence Tague preprinted 50Nos	1 pkt
8	Wire Guage 4"x10	15 nos
9	Plaster /Casting Material top Grade 750 grm	15 nos
10	Spray Power Unit	2 nos
11	Water Container	1 no
12	Disposable Pipette	10 nos





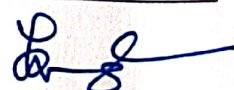
13	Spray Paint to Mark Evidence Area	1 no
14	Surface Brush Normal	1 no
15	Rechargeable Torch Light	1 no
16	Scissor	1 no
17	Tweezer	1 no
18	Liquid Soap	1 no
19	Towel	1 n
20	Consumables /Refill Item for Foot & Tyre Print Casting Kit -Casting material top Grade -750 grm	1 no
21	Customized Carrying case	1 no

## 7. High-Intensity Forensic Light Source

SI NO	PRODUCT DESCRIPTION	QNTY
1	Nine Separate Rechargeable Led (5 W) Light Source Units with Battery 1 And Charger (Ac And Dc)	1 No
2	LED units with following wavelengths-UV, Violet, Blue, Green and white	2 Nos.
3	Light Diffuser	1 no
4	Light Support Tripod	1 No
5	Lithium Batteries	1 Set each
6	UV Protected Transparent Yellow, Red And Orange Goggles	1 Each (3 Goggles)
7	Batteries With Charger.	1 no
8	Safety and Contrast Goggles (Yellow & Orange)	1 no
9	Snap-On Contrast Filters (Yellow, Red, Orange)	1 no
10	Customized Rugged Carrying case	1 no

## 8. Blood and semen screening and collection kit

SI NO.	PRODUCT DESCRIPTION	QNTY
1	Bottle Of Distilled Water 125 ml Aerosol Sprayer	4 nos.
2	Bottle Of Distilled Water 125 ml	2 nos.
3	Blood Stain Evidence Template (Pack Of 24)	1 no.
4	Blood Stain Detection Tablets (Normal)	16 nos.
5	Blood Stain Detection Tablets (DNA Safe)	8 nos.
6	Blood stain Detection Reagent set (Benzidine Process)	1no.
7	Blood Origin identification Strip(Hexagon Obit)	24 nos.
8	Blood Collection EDT Tubes	10 nos.
9	Contact Filter Paper 1"x 2"(100 Nos)	10 pkts
10	Cotton Balls	2 nos.
11	Cotton Gauze Small Roll	8 nos.
12	Cotton Gloves	4 nos.
13	Disposable Pippett with 3ML Bulb	24 nos
14	Evidence Identification Labels "Crime Evidence"	100 nos

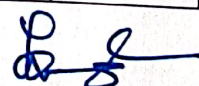




15	Forceps Stainless Steel 6'	2 nos
16	Glass Vials	15 nos
17	Microscope Plain Glass Slides	2 nos
18	Nitrile Gloves	10 nos
19	Pricking Needles 100 Nos	2 nos
20	Rubber Hand Gloves	2 pairs
21	Scissors Stainless Steel 6"	2 nos
22	Body Fluid Detection Lights Sources (3 in 1-UV, Violet and Blue)with Amber Goggles	1 nos
23	Spatula Semen Steel 6"	1 no.
24	Spot Semen Test of AP	20 nos
25	Spot Semen Test of PSA	24 nos
26	Spray Power Unit	4 nos
27	VDRL Slide,3 Cavity	20 nos
28	Watch Glass 3"dia meter 20 nos	2 nos
29	Whatman Filter Paper	1 pkt
30	Customized Carrying Case	4 nos

#### 9. DNA Sample Collection & Sexual Assault Kit

SI NO	PRODUCT DESCRIPTION	QNTY
1	Mini FTA Cards (2 Source)	25 no
2	Swabs with Protected Cover	10 no
3	Sterile Swabs	10 no
4	Swabs Drying Rack	2 no
5	Nitrile Gloves	5 pair
6	Masks	5 no
7	EDTA Vials	5 no
8	Sterile Container	5 no
9	Paper Bags	5 no
10	Small Paper Envelope	5 no
11	Cotton Gauze	2 no
12	Cotton Balls	1 pack
13	Marker	2 no
14	Wooden Nail Scrubber	10 no
15	Scissor	2 no
16	Plastic Tweezers	2 no
17	Glass Slides with Protected Cover	5 no
18	Distiller Water 10MI	5 nos.
19	Chain of Custody Labels	20 no
20	Syringe	2 no
21	Pubic / Hair Combs	1 no
22	Anal Speculum(steel)	1 no
23	Vaginal Speculum	1 no.
24	Customized Carrying Case	1 no





**10. Narcotic Screening and Collection Kit.**

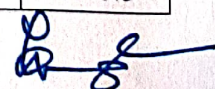
SI NO	PRODUCT DESCRIPTION	QNTY
1	General Screening/Heroin	10 Test
2	Marijuana/Hashish	10 Test
3	Barbiturates	10 Test
4	Methamphetamine /Amphetamine	10 Test
5	Cocaine/Crack	10 Test
6	LSD	10 Test
7	Mandella reagent	10 Test
8	Fentanyl	10 Test
9	Methadone	10 Test
10	morphine	10 Test
11	Meck's Reagent	10 Test
12	Synthetic Cannabinoids	10 Test
13	Synthetic Cathinones	10 Test
14	Heroin	10 Test
15	Heroin Black Tar	10 Test
16	Customized Carrying Case	1 no

**11. Explosive Screening and Collection Kit**

SI NO	PRODUCT DESCRIPTION	QNTY
1	TNT/PETN/RDX/Nitrate	10 Test
2	TATP/HMTD	10 Test
3	Ammonium Nitrate	10 Test
4	Chlorate/Bromate	10 Test
5	Perchlorate	10 Test
6	Urea Nitrate	10 Test
7	Customized carrying case	1 no

**12. Arson investigation Kit with Gas Detection**

SI NO	PRODUCT DESCRIPTION	QNTY
1	Hydrocarbon detector	01 No
2	Spray marking paint 350gms	01 No
3	Digital distance measurin2 device	01 No
4	Direction Compass	01 No
5	Folding scale 2 Meter	01 No
6	Set of rigid scale(Black White and Grey)	01 No
7	Multipurpose-Knife 21 functions	01 No
8	Magnifier	01 No
9	Heavy Duty Scissors	01 No
10	Flat File	01 No
11	Set of permanent makers 5 colours	01 No
12	Glass Cuter	01 No
13	Ratchet Screw driver with assorted heads	01 No
14	Battery operated reachable drill machine	01 No





15	Tool/Drill bit Set Drill Machine	01 No
16	Electric test master screw drive	01 No
17	Junior hacksaw	01 No
18	Pliers	01 No
19	Wire cutter	01 No
20	Folding steel shove	01 No
21	Pair of safety goggles	01 No
22	Scraper 8	01 No
23	11",7"normal &8"screw driver	01 No
24	Claw hammer 10 inch	01 No
25	Blade trowel 8 inch	01 No
26	Customized carrying case	01 No

### 13. Gunshot, Residue, Screening and collection kit

SI NO	PRODUCT DESCRIPTION	QNTY
1	Spot Test Card	20 Nos.
2	Gun Powder Particle Collection Lifter/Sampler	20 Nos.
3	Straight Handle Small Magnifier	01 Nos.
4	Customized Carrying Case	01 Nos.

### 14. Bullet Hole Screening and Collection Kit

SI NO	PRODUCT DESCRIPTION	QNTY
1	Crushable Ampoules -Lead Testing Reagent Lead Solvent Copper Testing Reagent Copper Solvent	10 Each
2	Test Papers	02 Pkt
3	Zipper Bags For Packing Positive Test Papers	50 Nos
4	Ruller For Photography	01 Nos.
5	Permanent Marker Pen	01 Nos
6	Customized Carrying Case	01 Nos





## ANNEXURE-C

### Digital Investigation Kit

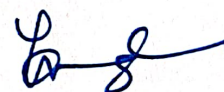
SI NO	PRODUCT DESCRIPTION	QNTY
1	Forensic Imager	1 No.
2	Faraday Bag	10 nos.
3	Removable Media Device (Pen drive)	10 nos.
4	Removable Media Storage Device (Memory Card)	10 nos.
5	External Data Storage Device (SSD)	5 nos.
6	Acquisition, Imaging and Triage Tool	1 no.
7	Field Triage	1 no.





### ANNEXURE-D

Sl. No	Description
1	PA System Integrated with Bar Lights
2	GPS Tracking and Navigation System must be installed
3	Rear View Camera
4	4 CCTV Cameras on the Roof with Recording and Storage Facility
5	Labelling the vehicle with Logo
6	Custom Wood Cabinets for Scientific Kits and Accessories to be placed at the back of the Vehicle
7	Suitable Power Supply for Equipment's
8	DSLR Camera
9	8 Flood Lights for Crime scene viewing on Top of Vehicle
10	Body Worn Camera with GPS Tracking
11	Fire Extinguisher
12	2D/3D barcode Scanner and Thermal Printer
13	Laptop with Chain of Custody Mobile App(Server storage not included).
14	Weighing balance-1 no.
15	Laptop with printer-1 no.
16	Hand magnifying glass with light (10x)-2 nos.
17	Vernier calliper (digital)-2 nos.
18	Genset.





## ANNEXURE-E

### 1. Research Stereo Microscope

Technical Specifications of Research Stereo Microscope		
Sl.No.	Specification	Details
1	Microscope Body	Apochromatic Greenough System, Parfocal corrected optics. Photoport with 100% switch between right eyepath and camera, incl. interchangeable 60N c-mount camera adapter 0.5x.  Dual spot is height adjustable/Segment able LED ring illuminator.
2	Illumination	LED Double spot-Gooseneck arms-5600K/LED Lifetime typ-50,000 Hrs.- Illuminator housing with push button for operation modes and rotary button for continuous intensity adjustment.  Option for system upgradable to Polarizer and Analyzer function.
3	Zoom	Manually Operable Zoom 8-1 Switchable zoom click stops: 10 click stop positions- (End Stop 0.63x), 0.65x0.8+1x 125x1.6, 2x, 2.5x, 3.2x, 4x, 5x Magnification Range without interchangeable optics: 6.3x-50x.  Option for system to achieve Magnification Range with interchangeable optics: 2.0x up to 160x Maximum resolution 225 Lp/mm-2.2µm.
4	Working Distance	92mm up to 280 mm (including interchangeable optics).
5	Eyepieces	10x/FOV 23 Viewing Angle : 35° Interpupillary Adjustment: 55-75 mm.
6	Stand	Stand with a ESD Protection features: Antistatic Surface, grounding socket RL. Control-on/off/Dimming. Integrated power socket for RL Stage. Black and white plate. Column 250mm with drive and handle, lifting range 145 mm Working surface of stand should be 255 mm W X 215mm D. with dust cover.
7	Camera	Color camera 8 Megapixels or better, pixel count 3840*2160, exposure range of 0.06ms to 1s with a frame rate of 30 fps with a passive cooling system. And should have interfaces-HDMI, USB 3.0 TypeC, Ethernet, Micro-D Full 4K Resolution in 30 fps ON-screen display for standalone operation of camera.
8	Software	Software should be able to connect to camera in wireless mode.
9	Manufacturer	Microscope and camera should be from same manufacturer.
10	Warranty	03 Years from the date of installation.
11	Diagram	Schematic diagram of microscope has to be provided.
12	Disclosure	It should be rugged, as it is for in field mobile van.



## 2. Laptop with Printer

Sl. No.	Specification	Details
1	Processor Generation	11 <sup>th</sup> Gen.
2	Processor Make	Intel
3	Type of Drivers used to populate the Internal Bays	1 SSD
4	RAM size (GB)	16GB
5	Display Resolution (Pixels)	1920 x 1080
6	Total SSD Capacity	1024 GB
7	Processor Number	Intel Core i7 1165G7
8	Processor Description	Intel Core i7
9	On Site OEM Warranty (Year) OEM: Authorised channel partner shall note that W :: G to be fulfilled by OEM at site)	
10	Operating System (Factory Pre-Loaded)	Windows 11 Professional.
11	Recovery Image Media	CD from OEM/Stored in Partition of the Hard Disk/USB Drive from the OEM/on Line/Cloud.
12	OS Certification	Windows
13	Number of USB version 3.0/3.1, Gen 1 Ports	3
14	Number of USB Type C Version 3.2 Ports	1
15	Number of VGA Port	1
16	Number of HDMI Ports (Version 2.0)	1
17	Number of LAN Ports	1
18	On site OEM Warranty (Years)	3 years
19	Security- The quoted model should have Hardware TPM version 2.0 or better	
20	Certification: the quoted Laptop Model should have Microsoft Windows 11 Professional Certification and EPEAT Gold certification (India)	
21	Pre-Loaded operational system Windows 11 Professional, factory preloaded MS office Home & Business, Need confirmation from OEM on letter head.	
22	Additional Specification	
23	OEM Authorization Service Centre	Must be at place/state where it is to be installed
24	Presence of OEM in manufacturing	Minimum 20 years.
25	Antivirus	Complete Protection from spyware/malware 24/7 Service Support.

## 3. CCTV (Dash Board Camera). Front and Rear end of the vehicle

Sl. No.	Parameters	Details
1	Video Quality	1080p or better
2	GPS Logging	
3	Wide Angle	Yes
4	Time Lapse	
5	Dimesions	154.3mm X 69.8mm X 69.8 mm
6	Accessories	Pole Mount
7	Operating Temperature	-40°C to + 60°C

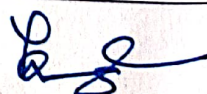


#### 4. Weighing Balance

Sl. No.	Parameters	Details
1	Type of Electronic Weighing Machine	Electronic Weighing Scale.
2	Rated Load/Capacity (kg)	3200g
3	Resolution (Gms)	10 mg
4	Class type	Class-III
5	Display Type	LCD
6	Speed of Measurement	4 second
7	Tare Provision	Automatic
8	Connectivity to Computer	Yes
9	Number of USB Port	NA
10	Power Requirement	Main operated battery operated
11	Power Supply	Single Phase
12	DC Operating voltage in volts	6 volts
13	Warranty	1 Year.

#### 5. DSLR Camera

Sl. No.	Specification	Details
1	Classification Camera	Still
2	Type of Camera	DSLR APS Format
3	Image Sensor	CMOS
4	Effective Pixels (Mega Pixels)	24
5	ISO (Sensitivity of the Image Sensor) Max	25600
6	Supported Picture or image format	JPEG
7	Lens mounting	Detachable
8	Type of lens	Prime Lens
9	Minimum Focal length	18
10	Maximum Focal Length	55
11	Minimum Lend Aperture (f/number)	0.2
12	Maximum Lens Aperture (F/number)	20
13	Optical Zoom (x)	3x to 5x
14	Digital Zoom (x)	4
15	Maximum Field Off View	90
16	Focus Mode	Auto, Manual
17	Video Recording	Yes
18	Maximum Recording Resolution (Pixels)	Full HD (1920 X 1080)
19	Frame Rate	24, 25, 30
20	Video Compression Format	H.264, MPEG4
21	Video Output port	HDMI
22	Video file format	MOV
23	Audio Recording	Yes
24	Audio Recoding Type	Built-in
25	Number of Audio Input port	1
26	Type of Audio input port	3.5 mm (Stereo mini jack)
27	Audio Output	Yes
28	Number of Audio Output Port	1
29	Type of Audio output port	3.5 mm (Stereo Mini Jack)
30	Display	Yes





31	Display Type	LCD
32	Touch Screen	No
33	Display Size (inch)	2.6-3
34	View Finder	Yes
35	Flash	Built-in, External (Not inclusive in the scope of supply)
36	Voice Control	No
37	Connectivity Interface	Bluetooth, USB
38	Picture Control System	Auto
39	Flash Mode	Auto
40	Shutter type	Mechanical
41	Minimum Shutter Speed	30
42	Maximum Shutter Speed	0.5
43	Storage Type	SD
44	SD Card Memory inclusive in the scope of supply (GB)	16
45	Memory Card expandable up to (GB)	128 GB
46	In-built Memory (GB)	0
47	Power Source	Rechargeable Battery
48	Battery Size, if Non-Rechargeable Battery	NA
49	Battery Chemistry, if Rechargeable Battery	Li-Ion
50	Number of Batteries required for operation	1
51	Number of Batteries supplied (Inclusive in the Scope of Supply)	1
52	BATTERY CAPACITY (mAh)	800
53	Battery Charger for Rechargeable Batteries	Yes
54	Minimum Operating Temperature (for land use)	-5
55	Maximum Operating Temperature (for land use)	60
56	Operating Humidity, Rh at 40°C	65
57	Housing Construction	Polycarbonate
58	IP Protection	IP 21
59	Carry Case inclusive	Yes
60	Weight	0.427
61	Dimension (WxHxD) (mmXmmXmm)	129.0x101.3x77.6
62	Warranty	1 Year

#### 6. Mini Refrigerator

Sl. No.	Parameters	Details
1	Conformity to Indian Standard	IS:1476 latest For Direct Cool
2	ISI Marked	Yes
3	CML No.	0
4	Storage Volume (NET CAPACITY) (Litters)	45-52 Litrs.
5	Type of Door	Single
6	Insulation	Puff
7	Built-in Voltage Stabilizer	Yes
8	Method of Defrosting	Direct (Cool)
9	Coil Material	Copper
10	Type of Finish	Metallic
11	Colour	White
12	BEE Star Rating as on the date(Central Ministries/ Departments while procuring shall ensure that the items carry 4 star or higher Star Rating of BEE).	2
13	Eco-Friendly refrigerant	Yes
14	Compressor	Power Saver Compressor.





## 7. LED Screen

Sl. No.	Specifications	Details
1	Type of Display Technology	LED Backlit
2	Screen Size (Inches)	32 inches
3	Resolution (Pixels)	1920 X 1080
4	Category	Smart
5	Operating System in case of Smart TV	Android
6	Static contrast Ratio	Native Contrast Ratio Minimum (1100:1)
7	Typical Brightness	350
8	Screen Mirroring	Yes
9	Mount Type	Wall mount
10	Inbuilt Speakers	Yes
11	If yes, wattage of Speakers	20 (with maximum 10% THD)
12	Ports & Connectivity	
13	Number of HDMI Ports	2
14	Number of USB Ports	1
15	Number of Ethernet Ports	Yes
16	Built-in Wi-fi	Yes
Accessories		
17	Details of accessories (included in the Scope of supply)	AC Power cord, remote control, user manual, wall mount bracket, necessary cables and connectors.
Certification		
18	BIS Registration as per CRS of Meity	Yes
Generic		
19	Maximum Operating Temperature	40°C
20	Minimum operating Humidity (%RH)	10
21	Maximum Operating Humidity (%RH)	80
22	Warranty	5 years (on site OEM warranty)

## 8. Body Worn Camera with GPS

SL. No.	Parameter	Details
1	Device type	Camera with Audio-Video recorder
2	Device dimensions (Maximum)	Height: up to 100mm, Width: up to 70mm Depth: up to 30mm
3	Working Temperature	-4°F to 122°F (-20°C to 50°C)
4	Storage Temperature	-4°F to 95°F (-20°C to 35°C)
5	Device ID	Unique identification for each device
6	Ingress Protection Rating (Minimum)	IP67
7	USB Type Supported	USB Type 3.0
9	Body Mount	Multiple mounting options should be provided for using the device on various type of Uniforms (i.e. Magnetic Mount)
9	Sensor Type	CMOS
10	Resolution (minimum)	Option to change resolutions between 480p, 720p and 1080p
11	FOV (Minimum)	Diagonal: 145° or better Horizontal: 125° or better Vertical: 68° or better

*[Handwritten signature]*



12	Recording type	Single button operation to start/stop the recording
13	Audio/Microphone	3-in-built microphone to record stereo quality audio (2-channel audio)
14	Recording 'On indicator	LED Indicator
15	Storage capacity (Minimum)	Minimum 64 GB solid-state non-removable eMMC. The storage should be encrypted
16	Connectivity	Wi-Fi and Bluetooth
17	Interface Software/Platform	Complete Data and Video Management application on Windows PC/Cloud based Platform
18	Mobile Application	Compatibility with android/IOS based platform
19	Weight	200 grams Maximum
20	Battery Capacity Life	Min 3400 mAh
21	Active Battery Back-up in Continuous Video Mode (Minimum)	10 hour
22	Audio Format	MP3
23	Standard Accessories	Docking Station, USB Charging cable, User Manual
24	Video Compression/Format	H.264/MPEG4
25	Drop Resistance	6 Feet Minimum (1.8 Meter)
26	Camera Lens	Auto Focus
27	Recording Speed (Minimum)	30 frames per second
28	Stamping with the recorded videos	Date, Time, Model Number of Camera, Serial Number of the camera and GPS
29	Low-light video capturing	Body worn camera must have enhanced image quality and low-light capability of $\leq 0.1$ lux
30	Salt fog (Mandatory)	MILSTD-810G
31	Live Streaming	The embedded LTE radio should be used to enable live streaming facility. Live Streaming should be only seen as Digital Evidence Management System with location of camera on map.
32	Connectivity Interface for Live Streaming	4G/LTE or better
33	On-site Warranty	03 years
34	Certification (Mandatory)	CE, FCC, BIS
35	Pre-event Audio and Video Recording time	Minimum 30 seconds and up to 2 minutes. It should have features to disable and enable audio recording during pre-event buffer through DEMS software
36	Physical buttons (Minimum)	Power On/Off, Audio/Video recording, Bookmark on recording, Volume level.
37	Indicators/Notifications	While on Field : Battery level, recording status, other notifications on the LCD Screen on the upper side of the camera. While on Docking Station: data transfer status, battery charging status, errors.
38	Live view/Preview of Recorded Video on field	Over Bluetooth and Wi-Fi using Mobile application designed by OEM
39	Haptic Notification	Vibration feedback to accompany beep tones.





**9. Public Announcement System**

Sl. No.	Parameter	Details
1	Microphone Output	Nominal level 14 mV at 3.3 k $\Omega$ (MIC power supply voltage 2.5 V]
2	Line output	Nominal level 0 dB and 0.775 V
3	Control input	0-10 V, for controlling the volume remotely
4	Relay output	(switch-over contact) 30 V/1 A, 100000 switching cycles
5	Audio output	70V/100V
6	Ports	RJ45 Shielded Plug-in
7	Connection terminals	Pluggable screw-in terminals for connecting the power supply, output, microphone, inputs, line output, 70 V/100 V audio output, loudspeakers.
8	Power Supply:	230V AC and external power supply, 20-26 VDC (max. 2.6A at 4 $\Omega$ /50 W or max. 1.3 A at 8 $\Omega$ /25W, 3 A at 70 V/100V audio output) or PoE (IEEE 802.3af), power consumption of terminal device: Class 0 (0.44 W to 12.95 W), with attenuated output power (up to 12 dB attenuation corresponds to an output power of approx. 6 W)
9	Cabling	min. Cat. 5 Line length of up to 100 m in LAN
10	Operating range	0°C to +70°C; max. non-condensing relative ambient humidity 80%;
11	Microphone	Omnidirectional electret microphone; max. 7 m speaking distance
12	Loudspeaker	2x 8 $\Omega$ loudspeakers with a special membrane; 85 dB/W/m sound pressure
13	Amplifier	integrated Class D amplifier, 2.5 W
14	Max sound pressure	99 dB
15	Weight	Aprox. 1.5Kg

**10. 1-D and 2-D/3-D barcode Scanner and Thermal Printer**

Sl. No.	Parameter	Details
1	Item Weight	240g
2	Product Dimensions	13 x 9 x 6cm; 240Grams
3	Connectivity Technology	USB Cable
4	Power Source	Corded Electric
5	Operating System	Linux, Windows
6	Capability	1-D, 2-D, QR Code Scan





## 11. GENSET : GENERATOR

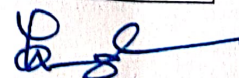
Sl. No.	Parameter	Details
1	Air Cleaner	Dual type
2	Bore X Stroke(mm)	68 x 54 or better
3	Compression ratio	8.5:1
4	Cooling System	Forced air
5	Displacement (cm3)	196
6	Engine Control Panel Display	i-Monitor Equipped
7	Engine Throttle	Electronic Governor (Load Sensitive)
8	Fuel Tank Capacity (L)	12.5
9	Fuel Type	Unleaded gasoline
10	Ignition System	Full transistor ignition
11	Model	GX 200T
12	Noise Level	86 dB
13	Oil Capacity	0.55L
14	Spark Plug	BPR6ES (NGK)
15	Starting System	Recoil or electric starter
16	Dry Weight(Kg)	62 k
17	Continuous running hours (Hrs.)	6.9
18	Dimensions(L x W x H)	710x482x570 or appropriate as per vehicle requirement
19	Type	4-stroke, overhead valve, single cylinder, inclined by 25°
20	Lubricating	Forced spray system
21	Carburettor	Float, Butterfly, Side Draft
22	Rated Output (VA)	2800
23	Maximum Output (VA)	3000

## 12. Digital Investigation Kit

12 (A) Technical Specifications of Forensic imager		
Sl. No.	Details	Remarks
1	Capable to imaging/clone data from one to one, two to two or one to many destination media	Yes
2	Capable to imaging/clone datas at the speeds of 50GB/min or higher. Clone PCIe to PCIe at speeds of over 100GB/min	Yes
3	Support multiple Imager Formats, copy, dd image, dmg image, e01,ex01, supports MD5, SHA1, SHA256 and dual-hash (MDS+SHA-1) authentication	Yes
4	Can use up to 10 sources and 11 destinations for imaging (with verify),hashing or wiping for ultra-efficient operation	Yes
5	Multiple Imaging Ports	Yes
6	write-protected source ports include;	Yes
7	1SAS/SATA(SAS-3/12Gbps)that supports up to 4 drives with a single cable	Yes
8	2 USB 3.2 Gen 2(can be converted to SATA using an optional USB to SATA adapter)	Yes
9	1 PCIe	Yes
10	2 I/O ports for use with optional I/O cards including Thunderbolt 3/USB-C	Yes
11	multiple destination ports include:	Yes
12	1SAS/SATA (SAS-3/12Gbps)that supports up to 4 drives with a single cable	Yes



13	4 USB 3.2 Gen 2(can be converted to SATA using an optional USB to SATA adapter)	Yes
14	1 PCIe	Yes
15	1 I/O ports for use with optional I/O cards including Thunderbolt 3/USB-C	Yes
16	Should have Two 10GbE network ports for network connectivity. The unit should include a USB 3.2 Gen 2 device port for drive preview and two USB 2.0 host ports	Yes
17	Should allow imaging to an external storage device such as a NAS, using the 10GbE ports, USB 3.0 or via the SAS/SATA connection	Yes
18	Should be able to Simultaneously perform multiple imaging tasks from the same source drive to multiple destinations using different imaging formats. Image simultaneously from multiple sources to multiple destinations including a network repository. Supports Imaging to one location while simultaneously hashing and/or wiping a second drive. Perform up to 5 tasks concurrently. Little or no speed degradation when imaging from two sources to two destinations.	Yes
19	Capable Web Browser/Remote Operation to allows to connect with device from a web browser	Yes
20	Capable to cross copy support for IDE, SATA, e SATA, micro SATA, SAS, ZIF and USB interface and combine-SATA etc.	Yes
21	Should image CD/DVD/Blu-ray media by using a USB optical drive connected to the USB port on the device	Yes
22	Capable to Detect and capture Host Protected Areas (HPA)and Device Configuration Overlay (DCO)hidden areas on the source(suspect)drive	Yes
23	Should Capture network traffic, internet activity and VOIP	Yes
24	Capable to Generate Audit Trail Reporting/Log Files in XML,HTML or PDF format	Yes
25	Should Secure sensitive evidence data with whole drive ABS 256-bit encryption	Yes
26	Allow to manipulate the DCO and HPA area of the destination drive so that the destination drive's total native capacity matches the source drive	Yes
27	USB Host Ports and HDMI Port for connecting keyboard, Mouse and with Projector	Yes
28	Forensic, Filter-Based File Copy, users can filter and then image by the file extension (such as.PDF, xls, JPEG, .mov etc.)	Yes
29	Capable to acquire data over a network	Yes
30	Capable to generate the log of the processes	Yes
31	Capable to boot/mount the suspect media virtually in a write protected environment for preview of Live data	Yes
32	USB Host Ports and HDMI Port for connecting keyboard, Mouse and with Projector	Yes
33	Product should carry 3 (Three) Years On-Site Warranty. Any Software/Firmware updates to be provided during the Warranty Period	Yes
34	Product should carry 3 (Three) Years On-Site Warranty. Any Software/Firmware updates to be provided during the Warranty Period	Yes





**12 B. Faraday bag**

Sr No	Technical Specifications
1	Bag should be able to prevent any RF communications for Call Phones/Laptop/Tablets

**12 C. Removable Media Device (Pen Drive)**


Sl. No.	Technical Specifications
A	Removable Media Device bundle having following specifications:
	Capacity:128 GB
	Performance: Up to 150MB/s read speed
1	Compatible With: Laptops /Desktops /Mobiles /Tablets
	Form Factor : Flash
	Interface: USB Type-C or USB Type A connectors USB 3.1 Gen 1 or better
	Warranty:5 Years Warranty

**12 D. Removable Media Storage Device (Memory Card)**

Sl. No.	Technical Specifications	
	Parameters	Values
1	Capacity	256GB
2	Speed <sup>2</sup>	USB 3.2 Gen 2 Up to 1,000MB/s read, 900MB/s write
3	Dimensions	82.17 mm x 22.00 mm x 9.02 mm
4	Weight	12g
5	Operating temperature	0°C-60°C
6	Storage temperature	-20°C~85°C
7	Warranty/support	5-year warranty with free technical support
8	Compatible with	Windows®10,8.1,Mac OS (v.10.14.x +), Linux (v 2.6.x +),Chrome OS™

**12 E. External Data Storage Device (SSD)**

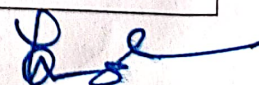
Sl. No.	Technical Specifications	
	Parameter	Details
	Capacity	1TB
2	Speed	USB 3.2.Gen 2 Upto 1,000MB/s read,900MB/s write
3	Dimension	82.7 mmx 22.00 mm x 9.02 mm
4	Weight	12g
5	Operating temperature	0C-60°C
6	Storage temperature	-20*°C-85°C
7	Warranty/support	5-year warranty with free technical support
8	Compatible with	Windows®10,8.1,Mac OS(v.10.14.x +), Linux (v 2.6.x+), Chrome OS™





## 12 F. Acquisition, Imaging, and triage Tool.

Sl. No.	Acquisition, Imaging, and triage Tool
1	It provides solution of4ln-I for live data acquisition, preview, targeted data collection, and forensic imaging of both Mao and Windows systems
2	This solution supports forensic analysis software on both Windows and Mac workstations
3	Product runs on live Windows computers with 64-bit hardware running Windows 10, version 1909 and newer.
4	It can forensically boot Windows computers running Windows 10 and start some older Windows operating systems.
5	Product can conduct acquisition on large range of macOS devices which include latest and over 185 different Laptops and desktop models with HFS+, APFS, Core Storage, File Vault,T2 and Fusion drives.
6	Product can boot the greatest variety of macOS computer for forensic imaging, including Apple's latest hardware and operating systems via the USB dongle.
7	It has ability to browse file system, review file content and collect data in both live mode and booted mode.
8	Product can be able to conduct on-scene triage, live data acquisition, targeted data collection and forensic imaging.
9	Product has capability to acquire full disk forensics image or collect just specific user files.
10	Product can be able to capture important live data such as Internet, chat and multimedia files in real time. It should have the capability to selectively acquire email, chat, address book, Calendar and other data on a per-user, nor-volume basis.
11	Product has the capability to conduct selectively acquire data on a per-user, per volume basis.
12	Capable to soundly acquire and save volatile macOS Random Access Memory (RAM) contents to extract passwords and other live artifacts to a destination device.
13	Able to create physical decrypted images of Apple's T2 chip systems, including unallocated.
14	Able to create physical image of Mojave Fusion drives.
15	Product can create images of selected files to a folder or a logical evidence format (LOI).
16	It can authenticate collected date using al MD5, SHA-1 or SHA-256 hash functions.
17	It has the decryption method support for T2 password or recovery key.
18	Product has the decryption method support for file vault and core storage keychain, password, or recovery key.
19	Product can write to evidence storage on the following file system: HFS+, APFS, ExFat or NTFS.
20	Product can be able to format evidence storage on site using built in tools.
21	Product has the capability to browser view to preview file content prior to acquisition.
22	Product can do a search view to locate using filters or keyword before acquisition and filter by metadata.
23	It is capable to add files and folder to data collection when data is being triaged via browser and search.
24	Product has 26 unique system data, collection options from Live RAM, including active system processes, current system state and print queue status.
25	Product able to produce extensively log data acquisition information throughout the collection.
26	Product has a built-in tool to manage evidence storage and support storage on all major file systems.





27	Product has write-protect source devices while maintaining read-write access on destination devices.
28	Product has a capability to boot the Mac and Windows systems via a USB dongle
29	Should have support for physical data acquisition from latest Chipset M1 based apples computers.
30	Should have tender specific MAF

## 12 G. Field Triage

Sl. No.	Specifications
1	Should be able to achieve blisteringly-fast acquisition times using the subject machine to image itself out.
2	Should be able to split the imaging process to multiple collectors; utilising all available ports either in a 'live' state or boot mode.
3	Should be able to work on Windows, Mac and Linux.
4	Should have an ability of forensically sound, with MD5, SHA1 & SHA256 validation.
5	Should be able to stop extractions before completion without the risk of losing any data acquired up to that point.
6	Should allow recovery of deleted data.
7	Should have function of no need to remove the hard drive.
8	Should have Rapid automated triage solution.
9	Should provide alerts of suspicious items through a red, amber and green status.
10	Should have ability of Highly configurable search profiles.
11	Should be able to quickly acquire usernames and passwords.
12	Effortlessly customise it for use across a range of investigation types, including modern slavery, fraud, insider trading, harassment, Indecent Images of Children (IIOC), Internet Crimes Against Children (ICAC), human trafficking and terrorism.

*[Handwritten signature]*