GOVERNMENT OF INDIA (Ministry of Home Affairs) **DIRECTORATE GENERAL**

CENTRAL RESERVE POLICE FORCE EAST BLOCK-7, SEC-1, R.K. PURAM, NEW DELHI-110066

(Email:- comncell@crpf.gov.in Tele/Fax:011-26107493)

No. B.V-7/2021-22-C (CFL)

Dated, the 19th April'2021

To

V.P

- 1. DIG (Comn), ITBP Block No. 2, CGO Complex Lodhi Road, New Delhi-03
- 2. DIG (Comn), NSG Meharam Nagar Palam, New Delhi-37
- 3. DIG (Comn), SSB East Block-V, R.K Puram New- Delhi-66
- 4. AIG (Comn), CISF Block No. 13, CGO, Complex Lodhi Road, New Delhi-03
- 5. DIG (Prov), BSF Block No. 10, CGO Complex Lodhi Road, New Delhi-03
- 6. Liaison Office, Assam Rifle Room No-171, North Block, MHA New Delhi -01

Subject: Regarding QRs/TDs of "Cyber Forensic & Auditing Tools for Creation of Cyber Lab".

Please find enclosed QRs/TDs of "Cyber Forensic & Auditing Tools for Creation of Cyber Lab" as Annexure-"A" duly approved by the competent authority is forwarded herewith for further necessary action.

Encl: (QRs & TDs of "Cyber Forensic & Auditing Tools for Creation of Cyber Lab")

{P.R.Jha, DC (Comn)} For DIG (Equipment)

Directorate General, CRPF

No. B.V-7/2021-22-C (CFL)

Dated, the

April' 2021

Copy to:-

1. DIG(IT) Dte, for information please.

2. DIG(Int) Dte, for information please.

{P.R.Jha, DC (Comn)}

For DIG (Equipment) Directorate General, CRPF

QUALITATIVE REQUIREMENTS OF CYBER FORENSIC & AUDITING TOOLS FOR CREATION OF CYBER LAB

S N	Parameter Specifications		
A)	WORK STATION FOR STATIC BENCH		
1	Processor CPU	2 (Dual) Intel XEON Processor Silver 4110 8Core 2.1 GHz 11 MB Cache or latest.	
2	RAM	Minimum RAM 128 GB and upgradable upto 768 GB	
3	HDD –Internal	 OS Drive: 512 GB M.2 NVMe PCIe Solid State Drive - Pro Series or higher Drive 2 - SATA Interface: 512 GB SATA Solid State Drive - Pro Series or higher Drive 3 - USB 3.1 Interface: 4 TB 7200 rpm SATA Hard Drive or higher 	
4	Computer case	• (RAID Drive as per the user requirement) ATX Server Case as per end user requirement with inbuilt write blockers, HDD, bays and with hot swappable capabilities.	
5	Power supply	1200 Watt Modular power supply ATX or better	
6	Main board	Intel chipset motherboard which supports user defined processor, RAM and other components.	
7	Graphic card	As per user requirement.	
8	Optical Drives	As per user requirement.	
9	Forensic Bridge	Forensic Universal Bridge USB3.0 &PCIe &SATA &FireWire &IDE &SAS incl. all user mentioned cables and adopters having latest technologies as per end user requirement.	
10	Display	As per user requirement.	
11	Software	As per user requirement.	
B)	IMAGING / CLO	NING DEVICE	
1	Imaging Cloning Device	· · · · · · · · · · · · · · · · · · ·	
2	Connectors	IDE/SATA/SAS/USB3/Fire Wire/PCIe	
3	Connectivity	All connectivity on Host side should be USB3 or better	
4	Memory card reader	02 (one for read and other read-write) or better	
5	Power supply	Cable and adapters	
		1	

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(%)	S N	Parameter	Specifications
	S N 6	Parameter Specifications	• High performance, reliable, and easy to use forensic duplicator - with a high resolution, touch screen User Interface (UI) or better. • It should support forensic imaging of SATA, USB 3, PCIe, SAS, Fire Wire 800, IDE, and network shares or better. • Outputs to SATA, USB 3, SAS, and network shares or better. • Supports up to two active forensic jobs at a time (simultaneous imaging) or better. • Supports up to four destinations per source with the ability to mix clone/image duplication and local/network destinations or better. • Job queuing option for efficiency and convenience or better. • Disk-to-File Duplication (Compressed .e01 & .ex01), Disk-to-Disk Duplication (Cloning), Compute Hash Values, Verify Hash Values, HPA/DCO Disable, Blank Check Drives, Format Drives, Wipe Drives, Display, Print, and Save Logs, Secure User Profiles or better. • High-resolution, color touch screen user interface, used to control and monitor ongoing operations wizard driven UI uses simple touch gestures to select and initiate all functions or
			better. • Supports collecting data in a forensically sound (a.k.a. "write-blocked") manner or better. • Network based forensic acquisitions, remote triage applications, or network based "write"
	7	Adapters & cables	a) mSATA / M.2 to SATA Adapter Kit b) Blade Type SSD Adapter c) SATA LIF Adapter d) micro SATA e) 1.8" IDE Laptop Adapter f) 2.5" IDE Laptop Adapter g) ZIF IDE Adapter h) PCIe Card SSD Adapter i) PCIe M.2 SSD Adapter j) PCIe Apple SSD Adapter
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SN	Parameter	Specifications	
		k) Thunderbolt to Firewire Adapter and USB C	
	to USB Cable for Mac acquisition.		
		or	
		Any other adopter and cables required by the	
		user.	
8	Water	All of content of the kit should be skilfully bundled	
	resistivity	in a rugged pelican waterproof case perfect for field	
		or lab acquisition.	
C)	FARADAY E	<u>sox</u>	
1	The patente	d industry standard for forensics visual and hands-	
	on interroga		
2	Provides ma	ximum isolation from all UMTS mobile device bands.	
3	Provides ma	ximum isolation from Wi-Fi signal sources including	
	802.11a/b/	g/n/ac.	
4	Features the	e latest GEN-2 custom RF gasket system.	
5	Features th	e latest GEN-2 custom RF absorbent and reflective	
	foam liner.		
6	Large RF	shielded viewing window for visual real-time	
	confirmation	n of device displays and functions.	
7	Dual RF sh	nielded silver mesh tactile gloves for hands-on access	
	to devices.		
8	Built-in inte	rnal LED illumination.	
9		filtered AC power strip.	
10		USB2.0 data interface.	
11		amper-proof hardware and a dual pad-lockable	
	200	nibits unauthorized access and maintains the chain	
	of custody.		
12		emovable I/O panel customizable for your specific	
	applications		
13	Features	Designed for lab and bench visual forensics	
		interrogations Patented design RF tight hands-on	
		access to your device RF tight illuminated viewing	
	12	of your device 1/2" GEN-2 high efficiency RF foam	
		liner GEN-2 high efficiency RF gaskets Exclusive	
		double lip RF seal	
		Universal removable I/O panel	

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SN	Parameter	Specifications		
14	Connectors	RF isolated 6-outlet 110VAC power stripRF		
		isolated 6-pole feed-though terminal blockRF		
	-	isolated USB2.0 high speed interface		
15	Isolation	>90dB@918MHz		
	27	>85dB @ 2.4GHz		
		>80dB @ 5.8GHz		
D)	FLAME PROOF	LOCKER		
1	Capacity	Minimum 60 L		
2	Locking	Lever high security Cylindrical Locks. Snap		
	System	shut mechanism		
3	Certification	Data protection as per IS: 14562 for 1 hour fire		
		endurance and 1 hour fire & impact test.		
4	Total Memory	Designed as per UL-72 Class 125 specifications		
	slots	for 1 hour rating.		
5	Туре	Flame Resistant		
E)	MOBILE FORE	ENSIC SOFTWARE_(as per user requirements)		
	Mobile forensi	c software contains:-		
	1. UFED 4	PC/Touch 2		
	2. MSAB XRY			
-	3. MD NEXT	and MD RED		
	4. Oxygen Fo	rensic		
	5. Mobile edi	t forensic express pro		
	or			
	any other /a	additional latest available software and add on		
	modules as p	per user requirement.		
F)	PORTABLE F	ORENSIC WORKSTATION		
10	Connections	 a) HDMI Port b) Display Port 1.4 over USB 3.2 Gen 2 (Type C) c) USB 3.2 Gen 2 Ports (Type A) d) USB 2.0 Port (Type A) e) Headphone jack (2-in-1) Headphone/S/PDIF Optical) f) Microphone jack g) Line-In jack h) Line-out jack i) RJ-45 Port j) DC-in or any other ports required by the user 		

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S N	Parameter	Specifications	
11	Software	As per user requirement	
12	Forensic	As per user requirement	
	Imaging Tools		
G)	WRITE BLOCK	ER KIT	
1	Portable kit wh	nich contains a complete family of hardware write	
	blockers along	with adapters and connectors for use in acquiring	
	a forensically s	sound image of virtually any hard drive or storage	
	device		
2	Includes USB	3.0 IDE/SATA, SAS, USB3, FireWire, Forensic	
		wo Power Supplies, Cables and Adapters.	
3	USB 3.0 to IDE	C+SATA	
4	SAS		
5	USB 3.0 to US	B 3.0	
6	FireWire		
7	FCR		
8	Power supply with line cord		
9	IDE signal cab	le 8"	
10	IDE signal cab	le 2"	
11	SATA signal cable		
12	3M to Molex Po	ower Cable	
13	3M to SATA Po	wer Cable	
14	SAS integrated	signal and 3M power cable	
15	USB-A to 5 pin	Mini-B	
16	USB 3.0 A to E	cable	
17	FW800 Cable 9	9p-9p	
18	FW800 Cable A	Adapter 4p-9p	
19	FW800 Cable	Adapter 6p-9p	
20	Hard Drive Ada	apter 2.5"	
21	Hard Drive Ada	apter 1.8"	
22	ZIF Hard Drive		
23	Micro SATA Ad		
24	SD Micro and	SD Micro and Mini Memory Card Adapters	
25	Rugged case with custom foam insert		

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SN	Parameter/Specifications		
H)	DATA EXTRACT AND DECODE SOFTWARE FOR NON-		
	STANDARD MOBILE PHONES		
1	Should be all-in-one mobile forensic system.		
2	Should combine both mobile phone logical and physical		
	solution in one package		
3	Should allow investigator full access to all the possible method		
	to recover data from a mobile device.		
4	Should be software based solution, complete with all necessary		
	hardware for recovering data from mobile device in a secure		
	manner and go deeper in to a mobile device to recover vital		
	data.		
5	Should have a combination of logical and physical analysis tool		
	available for supported device.		
6	Should produce a combine report containing both live and		
	deleted data from the same handset.		
7	Should perform simultaneous operations like extraction,		
	decoding and analysis, on a single platform.		
8	Should include multiple mobile phone extraction capability simultaneously at-least up to 3 devices.		
9	Should be able to recover deleted data e.g. contacts, image,		
1.0	SMS, emails, VOIP Call Data, video, GPS locations etc.		
10	Should be able to decode mobile Apps such as Viber,		
1 1	WhatsApp, Skype, Facebook messenger, QQ, etc.		
11	Extraction should support acquisition of internal memory and removable media.		
12	Extract data from variety of non-standard mobile devices		
12	including Chinese Chipsets.		
13	Should generate hex-dumps from the phone memory, typically		
10	by bypassing the device operating system.		
14	Physical extraction allows users to generate hash values of the		
	memory image, as well as individually decoded files.		
15	Should support GPS Device Physical extraction and		
	Examinations.		
16	Should have Triage Mode.		
17	Should allow search of data either by specific parameters or		
	open text.		
18	Should able to clone SIM cards Mini/ Micro/ Nano.		

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SN	Parameter/Specifications	
19	Should have Write Protected Universal Memory Card	
	Reader.	
20	If should automatically generates an audit trail of the	
	forensic process for peer review.	
21	It should recover VOIP call data, GPS mapping	
	information and instant messaging logs.	
22	Should have Report Generator to generate and	
	customize reports in different formats e. g. PDF, HTML,	
	XML and Excel.	
23	Product Offered should be of International Repute &	
	Brand.	
24	Should extract and decode data from non-standard	
	mobile devices.	
25	Able to extract evidence from mobile device where a	
	screenshot is the only way to capture relevant evidence	
	and help validate device extraction results.	
26	Should have viewing capabilities: Geographic view, Chat	
	view, Timeline view and Connection view.	
27	Zoom in or out to focus analysis on any point in time	
	using the Timeline view.	
28	Navigate data by location. Find places of interest and	
	investigate the data connected to those places - such as	
	calls made or received, pictures taken and more using	
	Geographic view.	
29	Track chat threads from different apps such as	
	WhatsApp, I Message, Facebook messenger and others	
	using Chat view.	
30	Discover and investigate the interactions between	
	different device owners and accounts using Connection	
0.1	view.	
31	Indian Distributor/ Reseller/ Bidder should have OEM	
	trained manpower for training of the product.	

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S N	Parameter/Specifications	
I)	DISC FORENSIC SOFTWARE	
	Disc Forensic software contained tools:-	
	1. BELKASOFT X	
	2. Magnet Axiom	
	3. FTK	
	4. Encase Forensic	
	5. Forensic Explorer	
	or	
	any other /additional latest available software and add on modules as per user requirement.	

(G.Rajan), SSB

NSG

(B.S.Rathore), Team Cdr (Madhvendra Singh), DC **ITBP**

(H.S.Srihari), Dy.Dir **DCPW**

(J.S.Sikarwar), DC

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(Zulifiquar Hasan), IPS, ADG(HQ)

CRPF

Approved/Not Approved

Kuldiep Singht, IP

DG, CRPF

TRIAL DIRECTIVES OF CYBER FORENSIC & AUDITING TOOLS FOR CREATION OF CYBER LAB

S N	Parameter	Specifications	Trial Directives
A)	WORK STATIO	ON FOR STATIC BENCH	
1	Processor CPU	2 (Dual) Intel XEON Processor Silver 4110 8Core 2.1 GHz 11 MB Cache or latest.	BOO will check practically and firm will submit OEM certificate.
2	RAM	Minimum RAM 128 GB and upgradable upto 768 GB	BOO will check practically and firm will submit OEM certificate.
3	HDD – Internal	 OS Drive: 512 GB M.2 NVMe PCIe Solid State Drive - Pro Series or higher Drive 2 - SATA Interface: 512 GB SATA Solid State Drive - Pro Series or higher Drive 3 - USB 3.1 Interface: 4 TB 7200 rpm SATA Hard Drive or higher (RAID Drive as per the user requirement) 	BOO will check practically and firm will submit OEM certificate.
4	Computer	ATX Server Case as per end user requirement with inbuilt write blockers, HDD, bays and with hot swappable capabilities.	BOO will check practically and firm will submit OEM certificate.
5	Power supply	1200 Watt Modular power supply ATX or better	BOO will check practically and firm will submit OEM certificate.
6	Main board	Intel chipset motherboard which supports user defined processor, RAM and other components.	BOO will check practically and firm will submit OEM certificate.
7	Graphic card	As per user requirement.	BOO will check practically and firm will submit OEM certificate.

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SN	Parameter	Specifications	Trial Directives
8	Optical Drives	As per user requirement.	BOO will check
			practically and firm will
			submit OEM certificate.
9	Forensic	Forensic Universal Bridge	BOO will check
	Bridge	USB3.0 &PCIe &SATA	practically and firm will
		&FireWire &IDE &SAS	submit OEM certificate.
		incl. all user mentioned	
		cables and adopters	
		having latest technologies	
		as per end user	
		requirement.	
10	Display	As per user requirement.	BOO will check
			practically and firm will
			submit OEM certificate.
11	Software	As per user requirement.	BOO will check
			practically and firm will
			submit OEM certificate.
B)	IMAGING / CLO	ONING DEVICE	1
1	Imaging	Portable kit which	BOO will check
	Cloning Device	contains a complete family	practically.
		of hardware write blockers	
		along with adapters and	
		connectors	
2	Connectors	IDE/SATA/SAS/USB3/	BOO will check
		FireWire/PCIe	practically.
		A11	DOO ''' 1 1 1
3	Connectivity	All connectivity on Host	
		side should be USB3 or	practically.
1	Mamarr as-1	better	DOO!!! -11
4	Memory card	02 (one for read and other	BOO will check
	reader	read-write) or better	practically and firm will
5	Down oumply	Cable and adaptons	submit OEM certificate. BOO will check
3	Power supply	Cable and adapters	
		*	practically and firm will
6	Considerations	Li'ala a a fa a a a a	submit OEM certificate.
6	Specifications	• High performance,	BOO will check
		reliable, and easy to use	practically and firm will
		forensic duplicator - with a	submit OEM certificate.
		high resolution, touch	
		screen User Interface (UI) or better.	
		or better.	

of better.

SN		Parameter	Trial
			Directives
SN		 It should support forensic imaging of SATA, USB 3, PCIe, SAS, FireWire 800, IDE, and network shares or better. Outputs to SATA, USB 3, SAS, and network shares or better. Supports up to two active forensic jobs at a time (simultaneous imaging) or better. Supports up to four destinations per source with the ability to mix clone/image duplication and local/network destinations or better. Job queuing option for efficiency and convenience or better. Disk-to-File Duplication (Compressed .e01 & .ex01), Disk-to-Disk Duplication (Cloning), Compute Hash Values, Verify Hash Values, HPA/DCO Disable, Blank Check Drives, Format Drives, Wipe Drives, Display, Print, and Save Logs, Secure User Profiles or 	
		 Job queuing option for efficiency and convenience or better. Disk-to-File Duplication (Compressed .e01 & .ex01), Disk-to-Disk Duplication (Cloning), Compute Hash Values, Verify Hash Values, HPA/DCO Disable, Blank Check Drives, Format Drives, Wipe Drives, Display, Print, and Save Logs, Secure User Profiles or better. High-resolution, color touch screen user interface, used to control and monitor ongoing operations wizard driven UI uses simple touch gestures to select and initiate all functions or better. Supports collecting data in a forensically sound (a.k.a. "write-blocked") 	
		 Metwork based forensic acquisitions, remote triage applications, or network based "write blocking" or better. 	
7	Adapters & Cables	a) mSATA / M.2 to SATA Adapter Kit b)Blade Type SSD Adapter c)SATA LIF Adapter d)micro SATA	BOO will check practically and firm
		e) 1.8" IDE Laptop Adapter f) 2.5" IDE Laptop Adapter g) ZIF IDE Adapter h) PCIe Card SSD Adapter i) PCIe M.2 SSD Adapter j) PCIe Apple SSD Adapter	will submit OEM certificate.

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SN	Parameter	Trial Directives
÷	k) Thunderbolt to Firewire Adapter a USB C to USB Cable for Mac acquisitio	
	Any other adopter and cables required the user.	by
9	Water resistivity All of content of the should be skilfu bundled in a rugg pelican waterproof caperfect for field or acquisition	ged ase
C)	FARADAY BOX	
1	The patented industry standard forensics visual and hands-interrogations	for BOO will check on practically and firm will submit OEM certificate.
2		all BOO will check practically and firm will submit OEM certificate.
3	Provides maximum isolation from W signal sources includ 802.11a/b/g/n/ac	
4	Features the latest GEN-2 custom gasket system	RF BOO will check practically and firm will submit OEM certificate.
5	Features the latest GEN-2 custom absorbent and reflective foam liner	RF BOO will check practically and firm will submit OEM certificate.
6	Large RF shielded viewing window visual real-time confirmation of devidisplays and functions	
7	Dual RF shielded silver mesh tac gloves for hands-on access to devices	practically and firm will submit OEM certificate.
8	Built-in internal LED illumination	BOO will check practically and firm will submit OEM certificate.
9	Built-in RF filtered AC power strip	BOO will check practically and firm will submit OEM certificate.
10	High speed USB2.0 data interface	BOO will check practically and firm will submit OEM certificate.

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SN	Parameter	Specifications	Trial Directives
11	Forensics t	amper-proof hardware and a	BOO will check
	dual pad-	-lockable latches prohibits	practically and firm
	unauthorize	ed access and maintains the	will submit OEM
	chain of cus	stody	certificate.
12	Universal	removable I/O panel	BOO will check
200	customizab	le for your specific applications	practically and firm
- 8			will submit OEM
			certificate.
13	Features	Designed for lab and bench	BOO will check
		visual forensics interrogations	practically and firm
		Patented design RF tight	will submit OEM
		hands-on access to your	certificate.
		device RF tight illuminated	
		viewing of your device 1/2"	
		GEN-2 high efficiency RF	
		foam liner GEN-2 high	
		efficiency RF gaskets	
		Exclusive double lip RF seal	
	9.	Universal removable I/O	
		panel	
14	Connectors	RF isolated 6-outlet 110VAC	BOO will check
		power stripRF isolated 6-pole	practically and firm
		feed-though terminal blockRF	will submit OEM
		isolated USB2.0 high speed	certificate.
		interface	
15	Isolation	>90dB @ 918MHz	BOO will check
		>85dB @ 2.4GHz	practically and firm
		>80dB @ 5.8GHz	will submit OEM
	22		certificate.
D)	FLAME PR	OOF LOCKER	
1	Capacity	Minimum 60L	BOO will check
			practically.
2	Locking	Lever high security	BOO will check
	System	Cylindrical Locks. Snap	practically and firm
		shut mechanism.	will submit OEM
			certificate.
3	Certification	1	Firm will submit
		14562 for 1 hour fire	
		endurance and 1 hour fire &	,
		impact test.	accredited
			laboratory.
			laboratory.

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SN	Parameter			Trial Directives
4	Total Memory	Designed as per UI	-72 I	BOO will check
	slots	Class 125 specificati		oractically and firm
		for 1 hour rating.	1	will submit OEM
			0	certificate.
5	Туре	Flame Resistant.	I	300 will check
			I	practically and firm
				will submit OEM
				certificate.
E)	MOBILE FOR	RENSIC SOFTWARE (As per u	ser rec	quirement)
	Mobile foren	sic software contains:-	I	BOO will check
	1. UFED 4	PC/Touch 2	1	practically and firm
	2. MSAB X			will submit OEM
		T and MD RED		certificate.
	4. Oxygen l			
		dit forensic express pro		
	or orth	an /additional latest avail	o b l o	
		ner /additional latest avail and add on modules as per i		
	requiren	l. .	1SCI	
F)		FORENSIC WORKSTATION		
1	Cabinet	Portable rugged forensic	ВОО	will check
		laptop system	pract	cically and firm will
		Designed especially for IT-	subm	nit OEM certificate.
		forensic analysis		
2	Display	15.6" or more, non-	BOO	will check
		reflective, FHD	pract	cically.
3	Processor	Intel i7-8700K	ВОО	will check
		4.7 GHz Processor or latest	•	cically and firm will
				nit OEM certificate.
4	RAM	64 GB or more	BOO	
			-	cically and firm will
	V: 1 - C - 1	NIVIDIA CORRESPONDO		nit OEM certificate.
5	Video Card	NVIDIA GeForce RTX 2070	BÓO	
		8GB GDDR6 or better	1 -	tically and firm will nit OEM certificate.
6	System	512 GB SSD, M,2	BOO	
	System	NVMePCIe x4 2x 2 TB SSD		tically and firm will
		SATA III or better	1 -	nit OEM certificate.
7	Optical	As per user requirement	BOO	
	Drive	- F		tically and firm will
				nit OEM certificate.

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SN	Parameter	Specifications	Trial Directives
8	Communicati on	As per user requirement	BOO will check practically and firm will submit OEM certificate.
9	Security	As per user requirement	BOO will check practically and firm will submit OEM certificate.
10	Connections	a) HDMI Port b) Display Port 1.4 over USB 3.2 Gen 2 (Type C) c) USB 3.2 Gen 2 Ports (Type A) d) USB 2.0 Port (Type A) e) Headphone jack (2-in- 1) Headphone/S/PDIF Optical) f) Microphone jack g) Line-In jack h) Line-out jack i) RJ-45 Port j) DC-in or any other ports required by the user	BOO will check practically and firm will submit OEM certificate.
11	Software	As per user requirement	BOO will check practically and firm will submit OEM certificate.
12	Forensic Imaging Tools	As per user requirement	BOO will check practically and firm will submit OEM certificate.
G)	WRITE BLOC	KER KIT	
1	family of hard with adapters acquiring a fo	which contains a complete dware write blockers along and connectors for use in prensically sound image of hard drive or storage device	BOO will check practically.
2	1	3.0 IDE/SATA, ireWire, Forensic Card Power Supplies, Cables and	BOO will check practically and firm will submit OEM certificate.

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SN	Parameter	Trial Directives
3	USB 3.0 to IDE+SATA	BOO will check practically and firm
		will submit OEM certificate.
4	SAS	BOO will check practically and firm
		will submit OEM certificate.
5	USB 3.0 to USB 3.0	BOO will check practically and firm
		will submit OEM certificate.
6	FireWire	BOO will check practically and firm
		will submit OEM certificate.
7	FCR	BOO will check practically and firm
		will submit OEM certificate.
8	Power supply with line	BOO will check practically and firm
	cord	will submit OEM certificate.
9	IDE signal cable 8"	BOO will check practically.
10	IDE signal cable 2"	BOO will check practically.
11	SATA signal cable	BOO will check practically.
12	3M to Molex Power Cable	BOO will check practically.
13	3M to SATA Power Cable	BOO will check practically.
14	SAS integrated signal and	BOO will check practically and firm
	3M power cable	will submit OEM certificate.
15	USB-A to 5 pin Mini-B	BOO will check practically and firm
		will submit OEM certificate.
16	USB 3.0 A to B cable	BOO will check practically and firm
		will submit OEM certificate.
17	FW800 Cable 9p-9p	BOO will check practically and firm
1.0	TYVOOO C 11 A 1	will submit OEM certificate.
18	FW800 Cable Adapter 4p-	BOO will check practically and firm will submit OEM certificate.
10	9p	BOOKS 11 SECTION CONTRACTOR SECTION SE
19	FW800 Cable Adapter 6p-	BOO will check practically and firm will submit OEM certificate.
20	9p Hard Drive Adapter 2.5"	BOO will check practically and firm
20	Hard Drive Adapter 2.5	will submit OEM certificate.
21	Hard Drive Adapter 1.8"	BOO will check practically and firm
		will submit OEM certificate.
22	ZIF Hard Drive Adapter	BOO will check practically and firm
		will submit OEM certificate.
23	MicroSATA Adapter	BOO will check practically and firm
		will submit OEM certificate.
24	SD Micro and Mini	BOO will check practically and firm
	Memory Card Adapters	will submit OEM certificate.

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S N	Parameter	Trial Directives		
25	Rugged case with custom foam insert	BOO will check		
		practically and firm will		
		submit OEM certificate.		
H)	DATA EXTRACT AND DECODE SOFTWA	RE FOR NON-		
	STANDARD MOBILE PHONES			
1	Should be all-in-one mobile forensic	Firm will submit OEM		
	system.	certificate.		
2	Should combine both mobile phone	Firm will submit OEM		
	logical and physical solution in one	certificate.		
	package			
3	Should allow investigator full access to	Firm will submit OEM		
	all the possible method to recover data	certificate.		
	from a mobile device.	2		
4	Should be software based solution,	Firm will submit OEM		
	complete with all necessary hardware for	certificate.		
	recovering data from mobile device in a			
	secure manner and go deeper in to a			
	mobile device to recover vital data			
5	Should have a combination of logical and	Firm will submit OEM		
	physical analysis tool available for	certificate.		
	supported device.			
6	Should produce a combine report	Firm will submit OEM		
	containing both live and deleted data	certificate.		
	from the same handset			
7	Should perform simultaneous operations	Firm will submit OEM		
	like extraction, decoding and analysis, on	certificate.		
	a single platform			
8	Should include multiple mobile phone	1)		
	extraction capability simultaneously at-	certificate.		
	least up to 3 devices			
9	Should be able to recover deleted data	Firm will submit OEM		
	e.g. contacts, image, SMS, emails, VOIP	certificate.		
	Call Data, video, GPS locations etc			
10	Should be able to decode mobile Apps			
	such as Viber, WhatsApp, Skype,	certificate.		
	Facebook messenger, QQ, etc			
11	Extraction should support acquisition of			
	internal memory and removable media	certificate.		

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SN	Parameter	Trial Directives		
12	Extract data from variety of non-	Firm will submit OEM		
	standard mobile devices including	certificate.		
	Chinese Chipsets			
13	Should generate hex-dumps from the	Firm will submit OEM		
	phone memory, typically by bypassing			
	the device operating system	*,		
14	Physical extraction allows users to	Firm will submit OEM		
	generate hash values of the memory	certificate.		
	image, as well as individually decoded			
	files	-		
15	Should support GPS Device Physical	Firm will submit OEM		
	extraction and Examinations	certificate.		
16	Should have Triage Mode	Firm will submit OEM		
	1000	certificate.		
17	Should allow search of data either by	Firm will submit OEM		
	specific parameters or open text	certificate.		
18	Should able to clone SIM cards Mini/	Firm will submit OEM		
	Micro/ Nano	certificate.		
19	Should have Write Protected Universal	Firm will submit OEM		
	Memory Card Reader	certificate.		
20	If should automatically generates an	Firm will submit OEM		
	audit trail of the forensic process for peer	certificate.		
	review			
21	It should recover VOIP call data, GPS	Firm will submit OEM		
	mapping information and instant	certificate.		
	messaging logs			
22	Should have Report Generator to	Firm will submit OEM		
	generate and customize reports in	certificate.		
	different formats e. g. PDF, HTML, XML			
	and Excel			
23	Product Offered should be of	Firm will submit OEM		
	International Repute & Brand	certificate.		
24	Should extract and decode data from	Firm will submit OEM		
	non-standard mobile devices	certificate.		

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SN	Parameter	Trial Directives
25	Able to extract evidence from mobile	Firm will submit
	device where a screenshot is the only	OEM certificate.
6 8	way to capture relevant evidence and	
	help validate device extraction results	
26	Should have viewing capabilities:	Firm will submit
	Geographic view, Chat view, Timeline	OEM certificate.
	view and Connection view	
27	Zoom in or out to focus analysis on any	Firm will submit
	point in time using the Timeline view	OEM certificate.
28	Navigate data by location. Find places	Firm will submit
	of interest and investigate the data	OEM certificate.
	connected to those places - such as	
	calls made or received, pictures taken	
	and more using Geographic view	
29	Track chat threads from different apps	Firm will submit
	such as WhatsApp, IMessage, Facebook	OEM certificate.
	messenger and others using Chat view	
30	Discover and investigate the	Firm will submit
	interactions between different device	OEM certificate.
	owners and accounts using Connection	,
	view	
31	Indian Distributor/ Reseller/ Bidder	
	should have OEM trained manpower for	OEM certificate.
	training of the product	
I)	DISC FORENSIC SOFTWARE	
	Disc Forensic software contained	
	tools:-	
	1. BELKASOFT X	
	2. Magnet Axiom	8
	3. FTK	
	4. Encase Forensic	
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SN	Parameter	Trial Directives	
	5. Forensic Explorer	Firm will submit	
	or	OEM certificate.	
	any other /additional latest available		
	software and add on modules as per user		
	requirement		

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