



CYBER SECURITY FOR DIGITAL PAKISTAN / NCERT

(NATIONAL CYBER EMERGENCY RESPONSE TEAM)

PROCUREMENT OF ITEMS FOR
DIRECTORATE OF LABS

GOVERNMENT OF PAKISTAN
CYBER SECURITY FOR DIGITAL PAKISTAN/nCERT
(NATIONAL CYBER EMERGENCY RESPONSE TEAM)

INVITATION TO BIDS

1. Cyber Security for Digital Pakistan /nCERT invites bids for “**Procurement of Items for Directorate of Labs**” for which electronic bids are invited under Single Stage-Single Envelope bidding procedure through **e-PADS Version 2.0** from the firms/ companies registered with Income Tax, Sales Tax Departments, which are on FBR’s Active Taxpayer’s List (ATL) and pre-qualified by MoIT&T.
2. The prospective service providers are required to submit their electronic bids including technical and financial proposals along with the Bid Security instrument amount equivalent to the sum of total bid security amount given item-wise in EPADS2.0, submitted in favor of Project Director, CSDP/NCERT (FTN/NTN: 9012000-7) through PPRA e-PADS Version 2.0.
3. **E-Bidding documents**, containing detailed terms & conditions, specifications and requirements etc. are available on e-Pak Acquisition and Disposal System (EPADS) at <https://vendors.epads.gov.pk/>.
4. Bidder(s) are required to get themselves registered on **EPADS v2.0** on or before **May 04th, 2026 11:00 AM**. E-bids will be opened using **EPADS v2.0** on the same day at **May 04th, 2026 11:30 AM**. Manual submission of Bids shall not be entertained. Those vendors who have not yet registered on the new version of **EPADS v2.0**, may register themselves on <https://vendors.epads.gov.pk/>. A tutorial to explain the registration process is available at <https://www.youtube.com/watch?v=MNW6T38v7tc>
5. Original Bid security instrument **MUST** be submitted to the undersigned before closing hours of the bid submission time otherwise respective bid will not be opened.
6. Bidding documents can be accessed from the website of National Computer Emergency Response Team (<https://pkcert.gov.pk/>) as well as on PPRA website.
7. Bids will be opened on the same day i.e., **May 04th, 2026** at **1130 hours** in the presence of representatives of the bidders.
8. As per PPRA Rules 33(1), 2004, National Computer Emergency Response Team (nCERT) has the right to reject any or all bids/ proposals at any time prior to the acceptance of a bid/proposal.

Project Director
Cyber Security for Digital Pakistan/nCERT
L- Block Pak Secretariat, Islamabad
Ph No. 051-9203421-22
Email: bid@pkcert.gov.pk
Website: (<https://pkcert.gov.pk/>)

1. BACKGROUND

“Cyber Security for Digital Pakistan”, is a PSDP project sponsored by Ministry of Information and Technology (MoITT) and executed by National Telecommunication & Information Technology Security Board (NTISB). The project “Cyber security for Digital Pakistan” is a pre-requisite for the Digital Pakistan initiative addressing current National cyber security gaps and concerns. This project will provide cyber security and digital initiative support to all public/private/defense sector organizations/institutes at national level. In pursuance, Project Director is looking to procure Digital Forensics and Screening Hardware for PKCERT HQ’s Office at Block-L Pakistan Secretariat Islamabad. Objective of the procurement is to:

- a) Serve as a center of excellence for facilitating digital forensic investigations in support of incident response; and
- b) Combat cyber incidents in Pakistan through cooperation in investigation, knowledge sharing, professional training, and provision of digital forensics and screening facilities, thereby enabling a more cooperative and collaborative workforce functioning as a unified entity.

2. CLARIFICATION OF THE BIDDING DOCUMENT

- a) The bidders may seek further information or clarification regarding the Bidding Document within **seven (7) calendar days** of the issuance/publication of the Invitation to Bids. Such clarifications and responses shall be shared with all prospective bidders, where required, and shall also be communicated at the pre-bid meeting to be held at Block-L, Pakistan Secretariat, Islamabad, on **27th April 2026 at 1100 hours**.
- b) Bidders shall note that, during the period from the issuance of the Bidding Document until further notice by the Client, all queries shall be communicated only through the designated Primary Contact and in writing, including by e-mail and letter.
- c) Any request for clarification, interpretation, or additional information relating to the bidding process or the required item(s) shall only be entertained up to the issuance/uploading of the pre-bid meeting minutes by the Client. No queries, clarifications, interpretations, or requests for explanation shall be entertained thereafter.

3. GENERAL INFORMATION AND INSTRUCTIONS FOR BIDDERS

- a) Bidders having presence in Pakistan independently or through a joint venture, consortium, authorized agent, or dealer, and possessing valid NTN and GST registration, while being on the Active Taxpayers List of the FBR, are invited to participate.
- b) The bidding shall be conducted through an open, competitive, and transparent process in accordance with the Public Procurement Regulatory Authority Ordinance, 2002, and the rules, regulations, and guidelines made thereunder.

- c) Bids must be submitted online through e-Pak Acquisition & Disposal System (EPADS) by closing date. Manual bids will not be accepted.
- d) The prospective bidders shall submit their electronic bids through the prescribed e-procurement portal, along with the required scanned copy of the **Bid Security**. The original **Bid Security** instrument, in the amount of PKR 1 million (Rupees One Million only), in favor of “Project Director - Cyber Security for Digital Pakistan”, shall be submitted in hard form at the designated office on or before the bid submission deadline.
- e) Bidders may bid on an item-wise basis through the **Single Stage - One Envelope** Procedure under Rule 36(a) of the Public Procurement Rules, 2004.
- f) The Client reserves the right to award the contract for all items or selected items to one or more successful bidders. The Client reserves the right, at its sole discretion, to increase or decrease the quantity of any item(s) proposed for procurement, at any stage of the procurement process, without thereby incurring any liability to any bidder. The Client reserves the right to cancel, withdraw, omit, or reject any or all item(s) included in this RFP, in whole or in part, at any time prior to award, without prior notice and without assigning any reason.
- g) Issuance of any Purchase Order(s) pursuant to this RFP shall be strictly subject to the availability and release of requisite funds by the competent authority.
- h) The submission and evaluation of bids shall be carried out under the **Single Stage - One Envelope** Procedure in accordance with Rule 36(a) of the Public Procurement Rules, 2004. Bids shall be opened at the notified venue and time in the presence of the bidders' representatives who may choose to attend.
- i) The date for opening bids may be changed, rescheduled, or deferred by the Client, as deemed necessary, subject to completion of the responsiveness / technical evaluation process and resolution of any related queries, objections, or clarifications.
- j) The bidder's name shall appear on the Active Taxpayers List (ATL) of the FBR for Income Tax and Sales Tax, or on the ATL of the relevant Provincial Revenue Authority for Sales Tax, as applicable, on the date of bid submission and continuously throughout the contract period, in compliance with the Eligible Bidders (Tax Compliance) Regulations, 2015.
- k) Bids shall be submitted in the English language only.
 - l) All prices shall be quoted in Pakistani Rupees (PKR) in the bid and shall be inclusive of all applicable taxes, duties, levies, and charges, including GST, **where applicable**. The amount shall be stated both in figures and in words.
- m) The quoted rates shall remain valid for one hundred eighty (180) calendar days from the date of opening of bids.
- n) Each bidder shall nominate a focal person to act as the primary Point of Contact (PoC) for all correspondence with the Client.
- o) Bidders may submit proposals for individual items or for multiple items, and technical evaluation shall be carried out on an item-wise basis. The Client shall not entertain incomplete, partial, conditional, or ambiguous bids.
- p) The bidders shall bear all costs and expenses associated with the preparation and submission of their bids, and the Client shall in no case be responsible or liable for such costs or expenses, including visit, transportation, or carriage expenses.

- q) The successful bidder shall be responsible for payment of any duties, taxes, levies, and other charges imposed by the Government of Pakistan during the period of supply, delivery, installation, commissioning, and support, unless otherwise provided by law.
- r) Taxes shall be deducted from payments at the rates prescribed under the tax laws of Pakistan.
- s) Bidders shall clearly indicate the delivery timelines for the proposed goods. Unless otherwise approved by the Client, the expected delivery timelines shall be: **Four (4) to six (6) weeks** for inland items; and **Eight (8) to twelve (12) weeks** for imported items, from the date of issuance of the Purchase Order or signing of the contract, as applicable.
- t) All hardware shall be supplied through verifiable, legitimate, and authorized distribution or sales channels.
- u) Only those documents which are specifically required in original hard form under this RFP, including the original **Bid Security** instrument, shall be submitted physically. No separate hardcopy bid submission shall be required unless expressly stated in the bidding documents.
- v) The following standardized forms and annexures shall form part of the RFP and shall be duly completed and submitted by all bidders in the prescribed format without alteration:
- i. Bid Submission Form;
 - ii. Bidder Information Form;
 - iii. Price Schedule;
 - iv. OEM Authorization Form, where applicable;
 - v. Compliance Matrix; and
 - vi. Affidavit / Undertaking Form.
- w) Each bidder shall submit a complete item-wise Compliance Matrix through EPADS, clearly showing compliance with all technical, commercial, warranty, support, licensing / subscription (where applicable), training, delivery, and other requirements specified in the RFP, with exact make, model, and part numbers where applicable.

4. BIDDER'S INFORMATION

- a. Bidders shall submit the following documents / information with relevant authorities: -

Company information	Valid Incorporation certificate from Securities and Exchange Commission of Pakistan (SECP)/ Registration with Government of Pakistan. 2. Valid NTN and STN Certificates
Address	
Telephone No	
Fax No	
Primary contact person Name, phone, email:	

5. PRICES

- a. All prices shall be quoted in Pakistani Rupees (PKR) in the bid and shall be inclusive of all applicable taxes, duties, levies, and charges, including GST, **where applicable**. The amount shall be stated both in figures and in words.
- b. The quoted rates shall remain valid for one hundred eighty (180) calendar days from the date of opening of bids.

6. AFFIDAVIT

- a. The bidder shall submit an undertaking on non-judicial stamp paper to the effect that the bidder itself, including its sister concerns, subsidiaries, affiliated entities, or associated companies, has not been blacklisted by any Government, Semi-Government, autonomous body, regulatory authority, or private institution.

7. THE CLIENT'S RIGHTS

- a. The Client reserves the right, at its sole discretion, to increase or decrease the quantity of any item(s) proposed for procurement, at any stage of the procurement process, without thereby incurring any liability to any bidder.
- b. The Client reserves the right to cancel, withdraw, omit, or reject any or all item(s) included in this RFP, in whole or in part, at any time prior to award, without prior notice and without assigning any reason.
- c. Issuance of any Purchase Order(s) pursuant to this RFP shall be strictly subject to the availability and release of requisite funds by the competent authority.
- d. The date for opening bids may be changed, rescheduled, or deferred by the Client, as deemed necessary, subject to completion of the responsiveness / technical evaluation process and resolution of any related queries, objections, or clarifications.
- e. Bidders may submit proposals on an item-wise basis or for multiple items, where applicable. The Client reserves the right to evaluate, compare, and award items individually, partially, or collectively strictly in accordance with the evaluation method specified in this RFP, while ensuring item-wise technical responsiveness, reasonableness of price, and value for money.
- f. All timelines, schedules, submission dates, and other deadlines prescribed under this RFP shall be binding upon the bidders and must be complied with strictly. Failure to adhere to such timelines may result in disqualification or rejection of the proposal, as applicable.
- g. Any request for clarification, interpretation, or additional information relating to the bidding

process or the required item(s) shall only be entertained up to the issuance and uploading of the pre-bid meeting minutes by the Client. No queries, clarifications, interpretations, or requests for explanation shall be entertained thereafter.

8. SCOPE OF WORK

- a. For Screening Hardware, Software & Accessories, the technical specifications, mandatory requirements, and item-wise evaluation / marking criteria are set forth in Tables 2 to 30.
- b. Procurement shall be carried out on an item-wise basis through the **Single Stage - One Envelope** Procedure. Each applicable item shall be technically evaluated against its respective **70-mark** evaluation criteria, which shall be **proportionately converted** to a **standardized 40-mark scale**. The final technical score for EPADS submission shall be calculated as the **average of normalized item-wise scores (out of 40)** for all quoted items, and award shall be made on the lowest evaluated price basis from among the bids found technically responsive and technically qualified.
- c. Under this procedure, the opened bids shall be examined for responsiveness, item-wise technical compliance, and price reasonableness in accordance with the bidding documents. The technical evaluation shall follow a normalization methodology whereby item-wise scores (out of 70) are scaled to 40 marks and aggregated across all quoted items for final technical scoring.
- d. In the event that two or more bidders quote the same evaluated lowest price for any technically responsive / technically qualified item, the Client may proceed in accordance with the applicable PPRA rules and the bidding document, including obtaining best and final monetary offers through EPADS, where applicable.
- e. In the event of refusal or failure by the successful bidder to sign the contract, the Client may award the contract to the next lowest evaluated technically qualified bidder, subject to fulfillment of all applicable requirements.

Table No 1: MANDATORY REQUIREMENTS FOR ELIGIBILITY TO ENTER THE BID EVALUATION PHASE		
Sr. #	Requirement / Document to be Attached	Compliance? Yes/ No
1.	The bidder shall provide valid Sales Tax Registration and Income Tax Registration documents.	
2.	The bidder shall be an Active Taxpayer on the Federal Board of Revenue (FBR) Active Taxpayers List .	
3.	The bidder shall upload a scanned copy of the Bid Security on e-PADS and shall ensure submission of the original Bid Security instrument, in the form of a Bank Draft or Pay Order, in favor of “Project Director – Cyber Security for Digital Pakistan” at the NCERT Office on or before the bid submission deadline. Failure to submit the original Bid Security instrument by the prescribed deadline shall render the bid liable to rejection.	

4.	The bidder shall submit an Affidavit on non-judicial stamp paper .	
5.	The Bidder or OEM shall have an established office in Pakistan, or shall have an authorized local partner/distributor with a sales and service support center in any one of the major cities of Pakistan.	
6.	The following documents/evidence shall be attached in support of the bid: <ul style="list-style-type: none"> • Copies of NTN registration • Registration with the Income Tax and Sales Tax authorities; • Experience certificates; • Authorized Partner Certificate / OEM Certificate, where applicable. 	
7.	The bidder shall demonstrate sound financial standing sufficient to meet its contractual obligations. For this purpose, the bidder shall provide duly audited bank/financial statements for the last three (3) years .	
8.	For proposed hardware items, the vendor shall submit a verified MAL certificate, where applicable . Failure to furnish the same, where required, may render the bid non-responsive.	
9.	All proposed systems / solutions shall be branded OEM products with clearly identified make, model, and part number(s). Non-branded, white-box, refurbished, reconditioned, grey-market , or unverifiable systems / solutions shall not be accepted.	

9. EVALUATION CRITERIA OF SCREENING HARDWARE, SOFTWARE AND ACCESSORIES

- a. Bidders should have been in IT business, sales and after sales support/maintenance provisioning for at least three years.
- b. All hardware items shall have at **least one (1) year's** comprehensive onsite warranty, including parts, unless otherwise specified. Software / subscription / license-based items shall have support, subscription, update, and maintenance coverage of **two (2) years**, or such longer period as may be specified in the relevant item table / RFP.
- c. Bidders or partners / affiliates should be companies / firms having an operational office in Pakistan.
- d. Bidders should have registration with Income Tax, Sales Tax and FBR's **Active Taxpayer's List (ATL)**.
- e. For enterprise infrastructure categories, the proposed OEM shall be an internationally recognized enterprise manufacturer with proven global market presence, active product lifecycle support, and authorized support availability in Pakistan. Where independent analyst recognition exists for the relevant category, such material may be provided as supporting evidence; however, absence of any specific analyst ranking alone shall not render an otherwise compliant bid non-responsive.
- f. The following documents / evidence should be attached in support of the bid evaluation as per the above criteria:
 - i. Copies of NTN registration with Income Tax, Sales Tax departments

- ii. Experience Certificate
 - iii. Authorized partner/ OEM Certificate **where applicable**
 - iv. Detailed product specification.
- g. Detailed item-wise technical evaluation shall be carried out only for firms that qualify the preliminary / mandatory evaluation mentioned above.
- h. Each item shall be evaluated out of seventy (70) marks based on the defined technical evaluation criteria provided in Tables 2 to 30. The obtained score for each item shall be proportionately converted to a standardized forty (40) marks using the following formula:

$$\text{Normalized Score (40)} = (\text{Obtained Score (out of 70)} / 70) \times 40$$

$$\text{Final Technical Score} = \text{Normalized Score (40)} + \text{Table 1A marks (30)}$$

The final technical score for EPADS submission shall be calculated as the average of normalized scores (out of 40) for all items quoted by the bidder

- i. During detailed evaluation, the evaluation and award committee shall verify item-wise compliance with the specifications and evaluation / marking criteria mentioned in Tables 2 to 30 below. Each applicable item table carries a **maximum of seventy (70) technical marks**, which shall be **converted to 40 marks** for final aggregation purposes. Any bid containing false, incorrect, or misleading information shall be liable to rejection at any stage.
- j. For items assessed on the **70-mark scale**, only those Bidders must obtain a minimum of **70% marks (i.e., 49 out of 70)** in item-wise evaluation to qualify. Only such qualified items shall be **considered for normalized scoring and final aggregation**, while also meeting the mandatory requirements, shall be treated as technically qualified / responsive for the relevant item.
- k. Due to EPADS system constraints allowing only a single technical score per bidder, the final score shall be entered as: **“Consolidated Technical Score Based on Compliance with RFP Specifications (All Quoted Items)”**. This score shall represent the average of normalized item-wise scores (out of 40).
- l. Under the **Single Stage - One Envelope** Procedure, financial comparison shall be carried out only among bids that are technically responsive and technically qualified for the relevant item. The bidder offering the lowest evaluated price for the relevant item shall be awarded the contract in accordance with the bidding documents and applicable PPRA rules.
- m. Warranty / Support Requirement: Hardware items shall carry the required OEM warranty of one (1) year, or any longer period offered by the OEM, whichever is higher. Software, subscription, and license-based items shall carry two (2) years of OEM / publisher-backed support, subscription, maintenance, and update coverage, or such longer period as may be offered by the OEM / publisher, in accordance with the relevant item table.

Note (Applicable on all tables)

- All products shall be **genuine, brand new, unused**, and supplied in original OEM packing.
- All products shall be sourced through the **manufacturer / principal / authorized distributor / authorized partner** channel.

- All products shall be of commercial-grade or enterprise-grade quality suitable for continuous official and office use.
- All components, cables, accessories, and consumables required for complete and functional operation shall be included in the quoted supply.
- All products shall be from an established **branded OEM / manufacturer** with proven support and after-sales service availability in Pakistan.
- Where the term “equivalent” is used, it shall mean only an equivalent product from a recognized **branded OEM** that fully complies with or exceeds the stated specifications. **Non-branded, white-box**, locally assembled, **refurbished, reconditioned**, or **unverifiable systems / solutions** shall be treated as non-responsive.

LIST OF ITEMS		
Table No	Requested Procurement Item	Qty.
2	macOS Computing Device	02
3	Forensics Workstation	06
4	Forensic Server	04
5	Password Cracking System	01
6	High Quality HDMI Cables	12
7	Medium-Duty Label Printer	02
8	Productivity Suite	12 users
9	Firmware Extraction Tools	As specified
10	Anechoic Chamber / Faraday Cage	As specified
11	RF Interconnection, Calibration & Networking Infrastructure	As specified
12	Photo-Station	As specified
13	Antistatic (ESD) Flooring	As specified
14	Mobile Application Security Testing (MAST) Tools	2 License
15	Network Traffic Capture & Analysis Tool	As specified
16	X-Ray Machine (Luggage / Tunnel Size)	01
17	X-Ray Machine (Micro-Component / High-Resolution)	01
18	Portable Signal Analyzer	01
19	Function Generator	01
20	Dodge Analyzer (RF Diagnostic Tool)	01
21	Portable SSD Storage	18

LIST OF ITEMS		
Table No	Requested Procurement Item	Qty.
22	Managed Network Switch	02
23	Enterprise Router	04
24	Network Hub	02
25	Hardware Firewall Appliance	02
26	Network Cables	10 Bundles
27	Mobile Phones for Testing	As specified
28	Cleanroom Facility	As Specified
29	General Purpose Server	03
30	Flash Programmers	As Specified

For evaluation consistency, all item-wise technical scores (out of 70) shall be proportionately normalized to a 40-mark scale and averaged across all quoted items to derive the final technical score for EPADS submission.

Table 1A: General Bidder Evaluation Criteria (30 Marks)			
<i>The General Bidder Evaluation Criteria shall be assessed separately and shall not form part of the item-wise 70-mark technical evaluation. These criteria are applicable at bidder level only.</i>			
Sr.	EVALUATION CRITERIA	SCORING CRITERIA	SCORE
a.	OEM Authorization & Partner Tier	<ul style="list-style-type: none"> • Not authorized / No proof = 0; • Registered Reseller = 4; • Authorized/Silver = 6; • Gold/Premium = 8; • OEM Direct/Platinum/Elite = 10 	10
b.	Relevant Experience (Similar Projects)	<ul style="list-style-type: none"> • No relevant experience = 0; • 1–3 projects = 4; • 3–6 projects = 7; • >6 projects = 10 	10
c.	Local Presence & Support Capability	<ul style="list-style-type: none"> • No local presence = 0; • Presence in Pakistan but not in ISB/RWP = 7; • Presence in Pakistan and also in ISB/RWP = 10 	10

Table 2: macOS Computing Device (Qty = 02)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

- Apple Silicon-based macOS Computing Device
- Processor: Apple M4 Max chip with a 16-core CPU and a 40-core GPU.
- Memory: 48 GB of unified RAM.
- Storage: 1 TB SSD or above, configurable up to 8 TB.
- Display: 16.2-inch Liquid Retina XDR display.
- Accessories: One (1) Apple OEM keyboard and one (1) Apple OEM mouse and / or Apple OEM trackpad shall be supplied with each device, with USB-C charging / wired connectivity support, where applicable, and compatibility with the supplied device.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Processor / compute platform as specified, including Apple Silicon class, CPU / GPU configuration, and overall compute capability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10

b.	Installed unified memory capacity as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Installed SSD storage capacity as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Display as specified, including screen size and Liquid Retina XDR or equivalent offered quality. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Supplied Apple OEM accessories as specified, including keyboard and mouse / trackpad compatibility with the offered device. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	System completeness and operational readiness, including genuine macOS device supply, charging / connectivity support, and immediate deployment readiness. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	OEM authenticity, warranty, and local support commitment as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 3: Forensics Workstation (Qty = 06)

(System with specs mentioned below or equivalent from a recognized branded OEM)

The vendor shall be fully responsible for the installation, configuration, architectural layout design, and testing of the hardware. This includes ensuring successful deployment and operational readiness of all supplied equipment.

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

- Mainboard / Platform: Workstation-class / enterprise-class platform from Intel or AMD, or equivalent from a recognized branded OEM, with support for DDR5 ECC memory, PCIe Gen 5.0, multiple NVMe storage devices, and enterprise-grade networking.
- Processor: The offered system shall be equipped with an Intel or AMD workstation-class / enterprise-class processor, or equivalent from a recognized branded OEM. In case of Intel hybrid architecture, the processor shall have a minimum of 12 Performance Cores (P-Cores); in case of AMD, the processor shall have a minimum of 12 equivalent high-performance cores. The processor shall further provide at least 50% performance cores or equivalent and shall be suitable for sustained high-speed forensic workloads. Acceptable reference models include Intel Xeon w7-3565X, AMD Ryzen Threadripper PRO 7965WX, or equivalent.
- Memory: Minimum 256GB DDR5 ECC RAM, expandable, or equivalent.
- GPU: Professional GPU with minimum 16GB memory, suitable for forensic visualization, AI-assisted analysis, and multi-display use, or equivalent from a recognized branded OEM.

- Storage:
- 1 x 2TB NVMe SSD Gen 5 for OS / applications
- 1 x 4TB NVMe SSD Gen 5 for Active data storage
- 2 x enterprise HDDs of 20TB or higher each for evidence / archive storage
- Networking: Minimum 1 x 10GbE connectivity.
- Chassis / Power: Full-tower workstation chassis with high-airflow cooling, support for multiple full-length PCIe cards, and minimum 1200W, 80 PLUS Platinum power supply.
- Minimum 32-inch 4K LED monitor with IPS panel and USB-C / hub functionality, including all accessories for connectivity.
- External Keyboard + Mouse Combo: One (1) full-size branded OEM keyboard and one (1) branded OEM optical mouse shall be supplied with each workstation. The combo shall support dual operation through 2.4 GHz wireless mode and wired USB mode, include USB receiver / charging cable, and be suitable for continuous office and lab use.
- Forensic Bridge: Integrated forensic write-blocking bridge, such as OpenText / Tableau T356789iu Forensic Universal Bridge, or equivalent from a recognized branded OEM.
- Cable / Adapter Set: Complete compatible forensic cable and adapter set for common interfaces, including PCIe, SATA, IDE, LIF, and ZIF, or equivalent from a recognized branded OEM. Required set TC2-8-R2, TC4-8-R2, TC6-8, TC7-9-9 PCIe Adapter Set: TDA7-1, TDA7-2, TDA7-3, TDA7-4, TDA7-7, TCPCIE-4, SATA&IDE Adapter Set: TC6-2, TDA3-1, TDA3-2, TDA3-3, TDA3-LIF, two LIF cables, TDA5-18, TDA5-25, TDA5-ZIF, TC20- BNDL.
- General: The offered system shall be supplied as a fully integrated, complete, and ready-to-use forensic workstation solution, including all required accessories, cables, adapters, and components for immediate operational deployment.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM's offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract

<p>award; therefore, the financial proposal shall clearly include an optional SLA cost/component.</p> <ul style="list-style-type: none"> The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract. 		
Sr.	EVALUATION / MARKING CRITERIA	Score
	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	
a.	Compute platform as specified, including workstation motherboard / chipset, processor class, core count, and overall platform suitability for forensic workloads. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Installed ECC memory as specified, including total capacity and expandability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Storage configuration as specified, including OS / application NVMe, active evidence NVMe, and archive HDD tiers. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Professional graphics and display as specified, including ECC VRAM / GPU class and supplied 32-inch 4K monitor. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Forensic bridge, adapter bundle, and cable set as specified for PCIe / SATA / IDE / LIF / ZIF and related interfaces. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Chassis, power, networking, keyboard / mouse, and overall integrated system completeness as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	OEM authenticity, enterprise positioning, installation / commissioning, warranty, and local support readiness as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 4: Forensic Server (Qty = 04)

(System with specs mentioned below or equivalent from a recognized branded OEM)

The vendor shall be fully responsible for the installation, configuration, architectural layout design, and testing of the hardware. This includes ensuring successful deployment and operational readiness of all supplied equipment.

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

Components	Technical Specifications
Server Form Factor	Enterprise-grade 2U/4U rack-mount server. Must be Tier-1 OEM branded. Relevant rack also be provided.
Central Processors (CPU)	Dual 128 Cores / 256 Threads processors (AMD EPYC 9005 series or Intel Xeon 6). Minimum 2.7 GHz base frequency, min 3.9 GHz turbo. Hardware support for AVX-512. L3 Cache: 500 MB or above, TDP: 500W or equivalent.
Volatile Memory (RAM)	512GB Total Capacity (configured as 8x64GB) DDR5 ECC RDIMM. Up to 6400 MT/s data rate. Minimum 16 DIMM slots or equivalent.
Graphical Acceleration (GPU)	1 x NVIDIA current generation Server Edition (48GB GDDR7, Passive Cooling, PCIe Gen 5 x16, 400-600W TDP) or equivalent.
Storage Subsystem: OS / Boot	Dedicated redundant boot controller (e.g., Dell BOSS-N1 or equivalent) utilizing 2 x 960GB M.2 NVMe SSDs configured in hardware RAID 1.
Storage Subsystem: Hot Tier	4 x 1.92TB PCIe Gen 5 NVMe U.2/E3.S SSDs (Enterprise Data Centre grade, Read Intensive).
Storage Subsystem: Cold Tier	16 x 2.4TB SAS 10K RPM 12Gbps 2.5" Hot-Plug HDDs.
Storage Controllers	Dual independent controllers: One optimized for NVMe arrays and one High-Performance Enterprise Tri-Mode RAID controller with 8GB flash-backed cache.
Network Infrastructure	1 x Broadcom Quad Port 1GbE Base-T (OCP), 1 x Broadcom Quad Port 10/25GbE SFP28, 1 x Broadcom Dual Port 10/25GbE SFP28. Includes 6 x SFP+ SR transceivers and OM4 fiber cables.
Power Supply & Delivery	Dual, Fully Redundant (1+1) Hot-Plug Power Supply Units, 80 PLUS Titanium efficiency, minimum 2400W (100–240VAC).
Out-of-Band Management	Dedicated 1GbE management port equipped with an Enterprise License (e.g., iDRAC 9 Datacentre, iLO Advanced, XClarity Enterprise or equivalent).
Physical Security & Integrity	Lockable 2U/4U front bezel with electronic intrusion detection. TPM 2.0 module. Secure Boot enabled firmware.
Virtualization Environment	Broadcom VVF or equivalent. Must support vMotion, DRS, and High Availability/Clustering or equivalent solution/services.
Vendor Deployment & Integration	Turnkey deployment. Vendor is fully responsible for installation, hypervisor configuration, and deep integration into the client's existing ecosystem.

- OEM Positioning:
 - Offered server / enterprise infrastructure OEM shall be an internationally recognized enterprise OEM. Where an applicable Gartner Magic Quadrant category exists for the offered enterprise infrastructure platform, documentary evidence of placement in the Leader or Challenger quadrant in any one of the last 2 years' applicable reports shall be provided.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Compute Platform: Dual 128-Core/256-Thread processors (AMD EPYC 9005 or Intel Xeon 6) with min 2.7 GHz base / 3.9 GHz turbo and AVX-512 support. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
b.	Volatile Memory: 512GB DDR5 ECC RDIMM (8x64GB) @ 6400 MT/s with minimum 16 DIMM slots. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
c.	Tiered Storage: 4x 1.92TB NVMe (Hot Tier) and 16x 2.4TB SAS 10K RPM HDDs (Cold Tier) with dual independent Tri-Mode RAID controllers. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
d.	Graphical Acceleration: 1 x NVIDIA Current Gen Server Edition (48GB GDDR7) with passive cooling and 400-600W TDP support. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
e.	Network Infrastructure: Comprehensive stack: Quad Port 1GbE (OCP), Quad Port 10/25GbE, and Dual Port 10/25GbE including 6x SFP+ SR transceivers/cables. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
f.	Virtualization & Management: Broadcom VVF (or equivalent) with vMotion/DRS support and iDRAC 9 Datacenter / iLO Advanced OOB	10

	management. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	
g.	System Integrity & Deployment: Tier-1 OEM branding, 2U/4U rack form factor with rails, redundant 2400W Titanium PSUs, and full turnkey installation. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
Total		70

Table 5: Password Cracking Server (Qty = 01)

(System with specs mentioned below or equivalent from a recognized branded OEM)

The vendor shall be fully responsible for the installation, configuration, architectural layout design, and testing of the hardware. This includes ensuring successful deployment and operational readiness of all supplied equipment.

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

Components	Technical Specifications
Server Form Factor	Enterprise-grade 2U/4U rack-mount server. Must be Tier-1 OEM branded. Relevant rack also be provided or equivalent.
Central Processors (CPU)	Dual 128 Cores / 256 Threads processors (AMD EPYC 9005 series or Intel Xeon 6). Minimum 2.7 GHz base frequency, min 3.9 GHz turbo. Hardware support for AVX-512. L3 Cache: 500 MB or above, TDP: 500W or equivalent.
Volatile Memory (RAM)	512GB Total Capacity (configured as 8x64GB) DDR5 ECC RDIMM. Up to 6400 MT/s data rate. Minimum 16 DIMM slots.
Graphical Acceleration (GPU)	2 x NVIDIA RTX PRO 6000 Blackwell Server Edition (96GB GDDR7, Passive Cooling, PCIe Gen 5 x16, 400-600W each) or equivalent.
Storage Subsystem: OS / Boot	Dedicated redundant boot controller (e.g., Dell BOSS-N1 or equivalent) utilizing 2 x 960GB M.2 NVMe SSDs configured in hardware RAID 1.
Storage Subsystem: Active Data	4 x 4TB PCIe Gen 5 NVMe U.2/E3.S SSDs (Enterprise Data Centre grade, minimum 2 DWPD). Configured in high-speed RAID 0 or 1.
Network Infrastructure	Dual 10/25GbE SFP28 network interfaces featuring redundant failover support (Active-Passive or Active-Active). VLAN 802.1Q tagging support.

Power Supply & Delivery	Dual, Fully Redundant (1+1) Hot-Plug Power Supply Units, 80 PLUS Titanium efficiency, minimum 2400W (up to 3000W dependent on OEM chassis support).
Thermal Management	High-performance enterprise fan modules featuring dedicated GPU thermal zones. No workstation/desktop-class active cooling is accepted.
Out-of-Band Management	Dedicated 1GbE management port equipped with an Enterprise License (e.g., iDRAC, iLO, XClarity). Supports remote system health and deep thermal telemetry.
Physical Security & Integrity	Lockable 2U/4U front bezel with electronic intrusion detection. TPM 2.0 module. Secure Boot enabled firmware.
Virtualization Environment	VMware or equivalent offering capability of HA/Clustering etc. Direct Path I/O (PCIe Pass through) or NVIDIA vGPU enabled for full/shared GPU allocation or equivalent.
Vendor Deployment & Integration	Turnkey deployment. Vendor is fully responsible for installation, hypervisor configuration, array setup, and integration into the client's existing ecosystem.

- OEM Positioning:
 - Offered server / enterprise infrastructure OEM shall be an internationally recognized enterprise OEM. Where an applicable Gartner Magic Quadrant category exists for the offered enterprise infrastructure platform, documentary evidence of placement in the Leader or Challenger quadrant in any one of the last 2 years' applicable reports shall be provided.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM's offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.

- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Compute Platform: Dual 128-Core/256-Thread processors (AMD EPYC 9005 or Intel Xeon 6) with min 2.7 GHz base / 3.9 GHz turbo, AVX-512 support, and 500MB+ L3 Cache. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
b.	Volatile Memory: 512GB DDR5 ECC RDIMM (8x64GB) @ 6400 MT/s with minimum 16 DIMM slots for future expansion. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
c.	Graphical Acceleration: 2 x NVIDIA RTX PRO 6000 Blackwell Server Edition (96GB GDDR7 each) with passive cooling and PCIe Gen 5 support. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
d.	Storage Subsystem: Redundant boot (BOSS-N1 or equivalent) with 2x 960GB NVMe RAID 1 PLUS 4x 4TB PCIe Gen 5 U.2/E3.S Data Center SSDs (min 2 DWPD). <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
e.	Power & Thermal: Dual 2400W-3000W 80 PLUS Titanium PSUs and high-performance enterprise fan modules with dedicated GPU thermal zones. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
f.	Infrastructure & Security: Dual 10/25GbE SFP28 networking, OOB management (iDRAC/iLO Enterprise), TPM 2.0, and electronic intrusion detection. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
g.	Virtualization & Deployment: Turnkey integration, VMware/vGPU support, Tier-1 OEM branding, and vendor responsibility for full ecosystem setup. <i>Non-compliant = 0; Meets baseline = 7; Exceeds = 10.</i>	10
Total		70

Table 6: High Quality HDMI Cables (Qty = 6 (5 meters) + 6 (2 meters))

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

- Type: High-quality HDMI cable from a recognized branded OEM / manufacturer suitable for professional office and laboratory display connectivity only.
- Quantity: 12 (6+6) cables.
- Standard: HDMI 2.1 preferred; HDMI 2.0 or higher acceptable where fully compatible with the

supplied displays and workstations.

- Length: 5 (2 meters) + 5 (5 meters), as required by deployment layout.
- Build Quality: Durable outer jacket, molded strain relief, corrosion-resistant connectors, and reliable shielding for stable audio / video transmission.
- Performance: Support for 4K UHD video at 60 Hz minimum; higher supported bandwidth and refresh capability will be acceptable where available from the OEM.
- Compatibility: Fully compatible with the supplied LED monitors, LED displays, workstations, and laptops.
- Delivery: All cables shall be brand new, genuine, and supplied in original packing, with warranty / replacement support as offered by the manufacturer or vendor.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	HDMI standard / bandwidth capability as specified, including HDMI 2.1 preferred or fully compatible HDMI 2.0+ compliance. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Supported video performance as specified, including 4K UHD at 60 Hz minimum and stable audio / video transmission. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10

c.	Cable length range and deployment suitability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Connector / shielding / jacket / strain-relief build quality as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Compatibility with the supplied displays, monitors, workstations, and laptops as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Supplied quantity, original packing, and physical condition / completeness as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	OEM authenticity, replacement / warranty support, and documentation clarity as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 7: Medium-Duty Label Printer (Qty = 02)

(System with specs mentioned below or equivalent from a recognized branded OEM)

The vendor shall be fully responsible for the installation, configuration, architectural layout design, and testing of the hardware. This includes ensuring successful deployment and operational readiness of all supplied equipment.

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

- Type: Branded OEM desktop / business-class label printer suitable for evidence, file, asset, and inventory labeling in office and lab environments
- Printing Technology: Direct thermal and / or thermal transfer
- Print Resolution: Minimum 203 dpi
- Print Width: Minimum 4-inch class / approximately 104 mm to 108 mm maximum print width
- Print Speed: Minimum 4 inches per second; higher speed acceptable
- Media Types: Support for die-cut, continuous, black-mark, fan-fold, and roll labels
- Media Handling: Easy media loading with adjustable media guides; gap / black-mark sensor support required
- Ribbon Support: Thermal transfer ribbon support where applicable for durable label printing
- Interfaces: Minimum USB 2.0 and Gigabit Ethernet / LAN; serial or Bluetooth / Wi-Fi may be offered as additional OEM-supported options
- Memory: Minimum 128 MB Flash and 128 MB RAM or equivalent from a recognized branded OEM
- Compatibility: Compatible with current Windows environment; OEM drivers / label design utility

shall be provided

- Supply Scope: Power adapter, power cable, USB cable, starter media / starter ribbon where applicable, installation support, and all accessories required for complete operation.
- Build Quality: Commercial-grade durable construction suitable for regular office use
- Warranty: Minimum 1-year manufacturer / OEM / authorized local warranty

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Printing technology and resolution as specified, including direct thermal / thermal transfer capability and minimum print resolution. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Print width / print speed / media handling as specified, including 4-inch class support and sensor capability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Media and ribbon support as specified for die-cut / continuous / black-mark labels and thermal-transfer ribbon where applicable. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Interfaces and memory as specified, including USB, LAN, and installed flash / RAM	10

	capacity. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	
e.	Compatibility and supplied software / drivers as specified for current Windows and label-design operation. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Supplied accessories, starter media / ribbon, and installation readiness as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	OEM authenticity, warranty, and local support as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 8: Productivity Suite (Microsoft or equivalent) (Qty = 12 users)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Software

- Type: Commercial productivity suite from a recognized branded OEM / publisher only; non-branded, open-source community builds, unverifiable subscription sources, or grey-market licenses shall not be accepted
- Quantity: Minimum twelve (12) user licenses / subscriptions
- Core Applications: Word processing, spreadsheet, presentation, email / calendar, note-taking, PDF export capability, collaboration / meeting and cloud storage applications to be included where provided by the OEM offering.
- Version / Currency: Latest commercially supported release or active cloud subscription plan available at the time of bid submission
- Access Modes: Desktop applications and / or secure web access, as supported by the offered OEM plan
- File Compatibility: Full support for commonly used office document formats including DOCX, XLSX, PPTX, PDF, CSV, and related standard formats
- Platform Support: Compatible with current supported versions of Windows and macOS; mobile access may be provided where supported by the OEM plan
- Licensing: Licenses / subscriptions shall be genuine, transferable / reassign-able within the organization where permitted by OEM policy, and procured only through OEM / publisher / authorized CSP / authorized reseller channels
- Administration: Centralized license administration portal or equivalent OEM management facility for user assignment, activation, and subscription management
- Security & Updates: The offered suite shall include OEM security updates, version updates / feature updates, and service continuity for the full subscription term
- Subscription Term: A term of 60 months from the date of activation for all 12 users (renewable)

- Deployment Support: Bidder shall provide installation, configuration, activation, migration assistance (where applicable), and initial onboarding support for all designated users
- Training: Basic user / administrator orientation or handover session shall be provided, along with official documentation or OEM guidance materials
- Support: Minimum one (1) year or as proposed by the OEM (whichever is higher) / publisher-backed subscription support together with local vendor coordination and facilitation for issue resolution
- Deliverables: License statement / subscription proof, product keys or tenant assignment records where applicable, admin credentials handover as authorized by the Client, and all documentation required for lawful use and audit traceability

Mandatory Requirement

- The bidder / vendor shall provide verifiable proof that the offered software, subscription, or license is sourced from the OEM / publisher or its authorized channel partner / reseller.
- The bidder / vendor shall ensure that all licenses / subscriptions are genuine, activated in the name of the Client, where applicable, and fully usable for the committed subscription / support term specified in the bidding document.
- The bidder / vendor shall provide OEM / publisher-backed support for a minimum of one (1) year from the date of activation, or the minimum OEM / publisher standard support period, whichever is higher, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM / publisher’s offered standard support period, whichever is higher, including installation, activation, configuration, update facilitation, issue escalation, and necessary coordination with the OEM / publisher / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes, support, subscription / maintenance coverage, and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	License quantity / term compliance as specified, including required user count and subscription duration. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10

b.	Core application coverage as specified, including word processing, spreadsheet, presentation, email / calendar, and PDF export capability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Platform / file-format compatibility as specified for Windows, macOS, DOCX / XLSX / PPTX / PDF / CSV, and supported access modes. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Administration / security / update capability as specified, including centralized management and update continuity. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Genuineness and channel compliance as specified, including OEM / publisher / authorized CSP sourcing and lawful traceability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Deployment / activation / migration / training / handover deliverables as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Support commitment, documentation quality, and issue-resolution arrangement as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 9: Firmware Extraction/Chip-off Tools (Qty = 1 Full Solution)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

- Integrated toolset for non-invasive, semi-invasive, and invasive firmware extraction and chip-off forensics
- Support for multiple interfaces: JTAG, UART, SPI, I²C, eMMC, NAND, NOR, SD, USB
- Capability to read, write, clone, and extract firmware via in-system programming (ISP) and in-circuit access
- Ability to handle basic security protections (where permissible) and locked devices
- Software support for:
 - Firmware extraction, parsing, and binary analysis
 - File system identification and reconstruction
 - Automated workflows and scripting
 - Audit logging and chain-of-custody tracking
 - Data integrity features including hash generation (MD5, SHA-1, SHA-256) and verification
 - Chip-off capability for direct memory acquisition from removed chips
 - Support for memory types: NAND, NOR, eMMC, eMCP

- High-precision programmers and adapters for BGA, TSOP, QFN, LGA packages
- Functions including:
 - Raw data dumping
 - ECC handling and error correction
 - Bad block management and wear-leveling interpretation
 - Data reconstruction and partition recovery
- Supporting hardware:
 - Rework station (hot air/IR) with precise temperature and airflow control
- Forensic software with:
 - Device/chip database
 - Regular updates and support for new devices
 - Reporting and documentation features
- Equipment shall be from reputable OEMs, brand new, and supported with warranty, documentation, and training provisions
- Designed for use in digital forensics, hardware security, and investigative laboratory environments

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score

a.	Supported interfaces and memory technologies as specified, including JTAG, UART, SPI, I ² C, eMMC, NAND, NOR, SD, USB, and chip-off coverage. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Acquisition functions as specified, including read / write / clone / ISP / in-circuit access capability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Software capability as specified, including extraction, parsing, binary analysis, file-system reconstruction, scripting, and audit logging. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Data-integrity and reconstruction capability as specified, including hashing, ECC handling, bad-block management, wear-leveling interpretation, and recovery. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Supporting hardware as specified, including rework station, programmers, adapters, and package support for BGA / TSOP / QFN / LGA. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Device / chip database, update support, reporting, and documentation / training as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	OEM authenticity, warranty, and local technical support as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 10: Anechoic Chamber / Faraday Cage (Qty = 1 Fully Operational Solution)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

Faraday Cage (RF Shielded Enclosure)

- The Faraday Cage (RF Shielded Enclosure) from a recognized branded OEM shall be designed to provide a fully enclosed, secure, and controlled RF-shielded environment for hardware screening, RF assessment, and electromagnetic isolation within a secure screening laboratory.
- The enclosure shall provide high shielding effectiveness, typically 80 dB to 120 dB or better, across a wide frequency range from low kHz to multiple GHz, ensuring effective isolation from external electromagnetic interference and prevention of unintended or unauthorized RF emissions from devices under test.
- The structure shall be of modular, panel-based construction, manufactured from high-conductivity materials such as galvanized steel or copper-clad steel, with RF-tight seams,

conductive gaskets, and electrically continuous joints to maintain consistent shielding performance.

- The Faraday Cage shall include RF-shielded access doors with multi-point locking and continuous finger-stock or equivalent sealing mechanisms to preserve attenuation during operation.
- It should be a free standing, scalable & modular design which can easily be relocatable.
- The system shall be equipped with RF-filtered ventilation, including waveguide-beyond-cutoff or honeycomb air vents, allowing airflow without degradation of shielding effectiveness.
- Shielded cable entry panels shall be provided to support filtered power lines, data connections, and RF feedthroughs, ensuring safe and controlled connectivity for laboratory equipment.
- A dedicated grounding/earthing system shall be included to ensure personnel safety, electrical protection, and stable RF performance.
- The enclosure shall be customizable in size and layout to accommodate workstations, RF analyzers, test benches, and devices under screening, supporting flexible laboratory workflows.
- The Faraday Cage shall be suitable for wireless isolation testing, emissions analysis, RF diagnostics, and high-confidence hardware screening activities.
- The supplier shall provide installation, commissioning, and on-site validation of shielding effectiveness, along with complete technical documentation and test reports.
- Basic operational training for laboratory staff shall be included as part of the supply.
- The system shall comply with recognized international standards, including IEEE-299, EN 50147-1, and MIL-STD-285, or equivalent.
- The Faraday Cage shall be backed by a minimum one-year warranty, with availability of technical support, maintenance services, and spare parts.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM's offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.

<ul style="list-style-type: none"> • If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component. • The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract. 		
Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Shielding / isolation performance as specified, including attenuation range, frequency coverage, and RF-tight construction. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Door / seam / gasket / ventilation / feedthrough design as specified for preserved shielding performance. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Size, modularity, relocate-ability, and internal usability for the intended screening-lab workflow as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Grounding / earthing and electrical / personnel safety provisions as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Compliance and validation as specified, including IEEE / EN / MIL or equivalent test standards and on-site shielding-effectiveness verification. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Installation, commissioning, training, and supplied technical documentation / test reports as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Warranty, maintenance support, and spare-parts availability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 11: RF Interconnection, Calibration & Networking Infrastructure (Qty = 1 Full Solution)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

RF Cables & Calibration Kits

- Precision RF coaxial cables (flexible or semi-rigid) suitable for laboratory and test

environments

- Characteristic impedance: 50 ohms with stable electrical performance
- Operating frequency range: DC to 18 GHz (or higher as required)
- Low insertion loss and VSWR > 1.3:1 across operating range
- High shielding effectiveness (90 dB) minimize interference
- Phase-stable characteristics for accurate and repeatable measurements
- Connector interfaces: SMA, N-type, BNC, TNC or equivalent, compatible with test equipment
- Durable, flame-retardant outer jacket with defined bend radius and environmental resistance
- Available in multiple lengths with proper identification and labeling
- Equivalent internationally recognized RF cable solutions from reputable manufacturers
- RF calibration kit shall be SOLT/OSLT type including precision open, short, matched load, and through standards
- Standard impedance: 50 ohms
- Frequency range aligned with test instruments (DC to \geq 18 GHz or higher)
- Connector interface compatible with cables and instruments (precision RF connectors)
- High accuracy, repeatability, and low measurement uncertainty for calibration purposes
- Matched load with high return loss (\geq 40 dB typical or better)
- Supplied with complete calibration coefficient data compatible with vector network analyzers.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

Sr.	EVALUATION / MARKING CRITERIA	Score
	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical</i>	

	<i>evaluation.</i>	
a.	Coverage of required RF interconnection items as specified, including cables, adapters, connectors, and laboratory networking / interlinking components. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Technical compliance of RF components as specified, including frequency support, impedance, connector types, and insertion-loss / signal-integrity suitability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Calibration / reference / interconnect quality and compatibility with the offered RF test equipment as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Networking / patching / lab-integration components and installation readiness as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Build quality, shielding, labeling, and professional installation suitability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Completeness of supplied quantities / lengths / accessory package against the stated requirement. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Documentation, warranty, and replacement / support commitment as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 12: Photo-Station (Qty = 01)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

- Complete, integrated Photo-Station for high-quality imaging and documentation of evidence and technical objects
- High-resolution digital camera system with interchangeable lenses, including macro capability
- Controlled lighting system with adjustable intensity and color temperature for consistent illumination
- Stable mounting mechanism (e.g., copy stand or articulated arm) for precise and repeatable positioning
- ESD-safe workstation surface for secure handling of sensitive electronic components
- Computer workstation with adequate processing power, memory, and storage capacity
- High-resolution, color-accurate display for detailed image review and analysis

- Software for image acquisition, processing, annotation, and metadata management
- Support for image integrity verification and audit/logging capabilities
- Calibration tools to ensure color accuracy and consistent imaging results
- Reliable power backup and protection system for uninterrupted operation
- Fully compatible and integrated components suitable for continuous laboratory use
- Designed for controlled environments with safe handling and documentation workflows

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Imaging hardware compliance as specified, including camera / lens / mounting / lighting / workstation components required for the photo-station. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Image quality and capture capability as specified, including resolution, color fidelity, sharpness, and close-up / documentation suitability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Lighting / backdrop / object-handling arrangement as specified for consistent	10

	evidence photography. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	
d.	Software / display / workflow support as specified for capture, annotation, storage, and documentation. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Calibration / repeatability / image-consistency provisions as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Completeness of supplied accessories, setup / commissioning, and operational readiness as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Warranty, training / documentation, and local support as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 13: Antistatic (ESD) Flooring (Qty = As specified)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

- Permanent static-dissipative ESD flooring system (vinyl tiles, sheets, epoxy coating, or equivalent) suitable for laboratory use
- Charge decay time: < 2 seconds (1000V to 100V)
- Compliance with ANSI/ESD S20.20, ANSI/ESD S7.1, and IEC 61340-5-1 standards
- Homogeneous, durable material with low VOC emissions, chemical resistance, and flame-retardant properties
- High mechanical strength with abrasion resistance and load-bearing capacity for lab equipment
- Non-glossy, anti-glare, and slip-resistant surface finish
- Installation over smooth, level subfloor using conductive adhesive or integrated system
- Integrated grounding system with copper strips/grid connected proper earthing points
- Compatible with ESD-safe footwear, wrist straps, and other grounding accessories
- Low-maintenance surface compatible with ESD-safe cleaning methods
- Dedicated low-resistance earthing system (chemical earthing, copper-bonded rod, or plate earthing) based on site conditions must be included.
- Earthing resistance: ≤ 2 ohm (preferred ≤ 1 ohm for sensitive lab/ESD environments)
- Compliance with IEC 60364, IEEE 142, and local electrical codes
- Earth electrodes: corrosion-resistant copper-bonded rods (≥ 17 mm diameter, ≥ 3 m length)

or equivalent copper plates Operational within 10°C-35°C temperature and 20%-70% relative humidity

- Mandatory testing for electrical resistance, charge decay, and grounding continuity
- Submission of product datasheets, compliance certificates, test reports, and installation documentation

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Electrical performance as specified, including resistance-to-ground / earthing values, charge-decay behavior, and anti-static compliance. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Compliance with stated standards / certifications as specified for ESD flooring and associated materials. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Material / finish / construction quality as specified, including homogeneous / durable composition, thickness, and slip resistance where required. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10

d.	Grounding / earthing system completeness as specified, including copper strip / rod / plate and bonding accessories. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Chemical / mechanical / environmental durability for laboratory use as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Installation method, site preparation, and full-area finishing / workmanship as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Warranty, after-sales support, and submission of test / compliance documentation as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 14: Mobile Application Security Testing (MAST) Tools (Qty = 02 users or licenses)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Software

- Support for static (SAST), dynamic (DAST), and hybrid analysis of Android (APK/AAB) and iOS (IPA) applications
- Ability analyze applications with or without source code, including binary and package inspection
- Detection of vulnerabilities aligned with OWASP Mobile Top 10, MASVS, and NIST secure coding guidelines
- Analysis of insecure data storage, weak encryption, hardcoded secrets, improper permissions, insecure IPC, and certificate pinning issues
- API and backend communication testing including SSL/TLS misconfiguration detection
- Automated risk scoring with severity classification (Critical/High/Medium/Low)
- CI/CD integration support for continuous security testing
- Generation of audit-ready reports with technical details and executive summaries

Mandatory Requirement

- The bidder / vendor shall provide verifiable proof that the offered software, subscription, or license is sourced from the OEM / publisher or its authorized channel partner / reseller.
- The bidder / vendor shall ensure that all licenses / subscriptions are genuine, activated in the name of the Client, where applicable, and fully usable for the committed subscription / support term specified in the bidding document.

- The bidder / vendor shall provide OEM / publisher-backed support for a minimum of one (1) year from the date of activation, or the minimum OEM / publisher standard support period, whichever is higher, unless otherwise specified in the bidding document.
-
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM / publisher’s offered standard support period, whichever is higher, including installation, activation, configuration, update facilitation, issue escalation, and necessary coordination with the OEM / publisher / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes, support, subscription / maintenance coverage, and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Analysis coverage as specified, including SAST / DAST / hybrid testing for Android and iOS packages. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Vulnerability-detection coverage as specified, including OWASP Mobile Top 10 / MASVS / NIST aligned findings. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Runtime / API / backend / SSL-TLS testing capability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Detection of malicious code, trackers, risky SDKs, insecure storage, weak crypto, and hardcoded secrets as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Reporting / risk-scoring / executive-summary capability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	CI-CD / automation / deployment / licensing support as specified. Non-	10

	compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	
g.	Training, documentation, OEM support, updates, and local implementation capability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 15: Network Traffic Capture & Analysis tool (Qty = 01)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Software

- Traffic Capture Capabilities, ensure both directions of traffic are captured (TX & RX).
- Passive devices that mirror traffic for monitoring tools.
- Available for copper, fiber, and multi-gigabit networks.
- Does not have impact on live traffic, ensuring zero packet loss. (Give options for 1G/10G separately) Combines TAP and analysis capabilities.
- Offers packet storage, remote access, and metadata extraction.
- High-speed, rack-mounted network packet brokers (NPBs) and aggregation appliances.
- Provide advanced filtering, de-duplication, load balancing, and traffic distribution to monitoring tools.
- Ability to write raw packet data for offline analysis.
- Live view and filter capability via popular tools like integration with Wireshark.
- Must have the option of built-in storage, storage extending and live data capture & storage as well.
- Tool shall have capability to encrypt and decrypt the live and stored data.
- Does not have impact on live traffic, ensuring zero packet loss. Combines TAP and analysis capabilities. (Must provide options for 1G & 10G separately in the bid)

Mandatory Requirement

- The bidder / vendor shall provide verifiable proof that the offered software, subscription, or license is sourced from the OEM / publisher or its authorized channel partner / reseller.
- The bidder / vendor shall ensure that all licenses / subscriptions are genuine, activated in the name of the Client, where applicable, and fully usable for the committed subscription / support term specified in the bidding document.
- The bidder / vendor shall provide OEM / publisher-backed support for a minimum of one (1) year from the date of activation, or the minimum OEM / publisher standard support period, whichever is higher, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM / publisher's offered standard support period, whichever is

higher, including installation, activation, configuration, update facilitation, issue escalation, and necessary coordination with the OEM / publisher / authorized partner for timely resolution of issues, unless otherwise mentioned.

- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes, support, subscription / maintenance coverage, and the SLA cost/component, wherever applicable under the final contract.

Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Traffic Capture Capability & Integrity (TX/RX capture, passive operation, zero packet loss, no impact on live traffic). Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Interface & Network Compatibility (Support for copper, fiber, multi-gig, 1G/10G/100G options). Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	TAP & Packet Broker Functionality (Integrated TAP, NPB, aggregation, traffic distribution). Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Advanced Traffic Processing Features (Filtering, de-duplication, load balancing, metadata extraction). Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Storage & Data Handling Capabilities (Packet storage, extendable storage, live capture & retention). Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Analysis, Visibility & Tool Integration (Live view, offline analysis, Wireshark or equivalent integration). Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Security & Data Protection Features (Encryption/decryption of live and stored traffic, secure handling). Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10

Total	70
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Table 16: X-Ray Machine (Luggage / Tunnel Size) (Qty = 01)
TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Hardware

- Designed for non-intrusive intake screening of large, sealed, or packaged hardware items, including electronic assemblies, power supplies, enclosures, and multi-layer devices.
- Tunnel opening minimum approximately 1000 mm (W) × 800 mm (H) or better, with motorized conveyor belt and variable speed control.
- High-energy X-ray source of 160 keV or equivalent or above for penetration of dense materials and metallic housings.
- Dual-energy or multi-energy imaging distinguish metals, plastics, ceramics, and composites.
- High-resolution digital imaging with real-time display, zoom, contrast enhancement, annotation, image storage, and export.
- Certified radiation shielding, safety interlocks, emergency stop controls, and compliance with applicable radiation and occupational safety requirements.
- Designed for continuous laboratory intake operation, with built-in diagnostics, supported maintenance, spare parts availability, operator manuals, radiation safety documentation, and on-site training.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM's offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.

<ul style="list-style-type: none"> • If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component. • The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract. 		
Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	X-ray source and penetration capability as specified, including energy level and suitability for dense hardware items. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Tunnel size, conveyor system, and throughput suitability as specified for intake screening of large / sealed / packaged items. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Imaging capability as specified, including dual / multi-energy discrimination, image clarity, zoom, contrast, annotation, and storage. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Detection suitability for concealed electronics, foreign objects, structural anomalies, and tampering indicators as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Radiation shielding, interlocks, emergency stop, and safety compliance as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Installation, manuals, radiation-safety documentation, and operator training as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Warranty, maintenance support, spare-parts availability, and local support as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 17: X-Ray Machine (Micro-Component / High-Resolution) (Qty = 01)

TECHNICAL SPECIFICATIONS / REQUIREMENTS
<u>Item Category: Hardware</u>
<ul style="list-style-type: none"> • Designed for advanced hardware assurance and micro-level inspection in a secure screening

laboratory.

- Micro-focus X-ray source capable of high-resolution imaging of ICs, BGA solder joints, multilayer PCBs, vias, and internal components.
- Detection of micro-level defects and anomalies including hidden implants, unauthorized modifications, voids, cracks, and solder defects.
- 2D high-resolution imaging shall be mandatory, while 3D / CT capability shall be preferred for volumetric analysis.
- Precision motorized positioning and high-magnification zoom for repeatable and accurate inspection workflows.
- Non-destructive testing capability without disassembling components.
- Digital image capture and storage for documentation, traceability, and reporting.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Micro-focus X-ray source and high-resolution imaging capability as specified for ICs, BGAs, multilayer PCBs, vias, and internal components. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Magnification / positioning / repeatability capability as specified for precision	10

	micro-level inspection. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	
c.	Defect-detection capability as specified, including implants, unauthorized modifications, voids, cracks, and solder defects. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	2D imaging compliance and 3D / CT capability where offered above baseline. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Non-destructive operation, digital capture, storage, and reporting capability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Installation, manuals, safety provisions, and operator training as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Warranty, maintenance support, spare-parts availability, and local support as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 18: Portable Signal Analyzer (Qty = 01)	
TECHNICAL SPECIFICATIONS / REQUIREMENTS	
<u>Item Category: Hardware</u>	
<ul style="list-style-type: none"> • Rugged, field-deployable RF measurement instrument suitable for both laboratory and on-site screening activities. • The offered instrument shall support operation on internal rechargeable battery power as well as AC mains supply for uninterrupted use in field and laboratory conditions. • The instrument shall support a wide range of RF measurements, including spectrum analysis, signal strength / power measurement, cable and antenna testing, and basic interference diagnostics. • The instrument shall cover a wide frequency range from low frequencies up to at least 20 GHz, suitable for detection, verification, and assessment of both low-frequency and high-frequency RF signals encountered during hardware screening and RF inspection activities. • The instrument shall provide sufficient sensitivity, dynamic range, and signal detection capability to identify weak, low-level, and intermittent signals. • The instrument shall be suitable for preliminary RF verification, field troubleshooting, rapid RF assessments, and screening tasks as a complement to fixed laboratory analyzers. • The offered unit shall be compact, lightweight, and robustly built, suitable for frequent handling, transport, and field deployment. 	

- The instrument shall have a **clear, high-visibility display** and an intuitive user interface suitable for indoor and outdoor technical use.
- The offered solution shall include all required standard accessories, probes, cables, chargers / adapters, software if applicable, carrying case, and documentation for complete operational use.
- The offered system shall be supplied as a **complete, integrated, and ready-to-use RF measurement solution.**

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Frequency coverage and RF measurement capability as specified for spectrum analysis, signal-strength measurement, and interference diagnostics. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Sensitivity / detection performance and suitability for weak / intermittent signal detection as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Battery / AC operation, portability, and rugged field-deployable design as	10

	specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	
d.	Display / user interface / ease of operation for indoor and outdoor technical use as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Accessory and measurement completeness as specified, including cables / probes / chargers / cases where required. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Compatibility and suitability for intended on-site troubleshooting and rapid RF verification workflow as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Calibration status, warranty, training / documentation, and support as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 19: Function Generator (Qty = 01)
TECHNICAL SPECIFICATIONS / REQUIREMENTS
<p><u>Item Category: Hardware</u></p> <ul style="list-style-type: none"> • Precise and stable signal generation for electronics testing and validation activities within the screening laboratory. • Support for generation of standard and advanced waveforms. • Sine, square, triangle, pulse, and ramp waveforms. • Arbitrary waveform generation for advanced testing scenarios. • Fine-grained control over frequency, amplitude, offset, phase, and other output parameters. • Support for modulation modes such as AM, FM, PM, and pulse modulation where applicable. • Suitable for bench-top operation with stable output, low distortion, and repeatable performance. • Intended for functional verification, signal injection, fault simulation, and response validation during hardware screening, PCB testing, and troubleshooting activities. <p><u>Mandatory Requirement</u></p> <ul style="list-style-type: none"> • The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.

- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Waveform generation capability as specified, including required waveform types, frequency range, and signal stability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Output performance as specified, including amplitude range, resolution, and impedance / load suitability. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Modulation / sweep / burst / trigger / synchronization features as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Display / controls / programmability / interface capability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Measurement / calibration / output-accuracy performance as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Supplied accessories, connectivity, and lab-integration readiness as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Calibration certificate, warranty, documentation / training, and support as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated	10

requirement = 10.	
Total	70

Table 20: Dodge Analyzer (RF Diagnostic Tool) (Qty = 01)
TECHNICAL SPECIFICATIONS / REQUIREMENTS
<p><u>Item Category: Hardware</u></p> <ul style="list-style-type: none"> • Capable of detecting, monitoring, and analyzing unintended, anomalous, or covert RF emissions generated by electronic devices. • Real-time spectrum monitoring observe transient, burst, or intermittent signals that may not be visible in conventional swept-spectrum analysis. • Recording and playback functionality for capture and offline review of RF events. • Software-based analysis tools for visualization, signal classification, and basic demodulation where required. • Portable design suitable for rapid deployment within the laboratory or controlled screening zones. • Intended for RF anomaly detection, leakage analysis, and diagnostics related to unauthorized wireless behavior or emissions. <p><u>Mandatory Requirement</u></p> <ul style="list-style-type: none"> • The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document. • The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM’s offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned. • The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation. • Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement. • If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.

<ul style="list-style-type: none"> The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract. 		
Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	RF diagnostic / analysis capability as specified, including supported measurements, bands, and test functions for the intended use case. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	Signal analysis performance as specified, including accuracy, sensitivity, dynamic range, and diagnostic resolution. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Interface / connectivity / accessory package as specified for probes, antennas, cables, adapters, and data export where required. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Software / visualization / logging / reporting capability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Portability / ruggedness / lab-field suitability and operational ease as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Compatibility with the offered RF lab ecosystem and deployment readiness as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Calibration certificate, warranty, documentation / training, and support as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 21: Portable SSD Storage (Qty = 18 Units)
TECHNICAL SPECIFICATIONS / REQUIREMENTS
<p><u>Item Category: Hardware</u></p> <p>Required Quantities are</p> <ul style="list-style-type: none"> 1 TB SSD = 08 Units 2 TB SSD = 04 Units 4 TB SSD = 04 Units 8 TB SSD = 02 Units <p>All capacities must be quoted and supplied. Partial bids shall be considered non-responsive.</p>

General Technical Requirements (Applicable to All Units)

- Type: Portable External Solid State Drive (SSD), NVMe-based preferred
- OEM: Recognized international brand / manufacturer
- Interface: USB 3.2 Gen 2 (10 Gbps) or higher; USB-C interface preferred
- Performance:
 - Minimum 900 MB/s sequential read/write speed
 - Higher performance (e.g., USB 3.2 Gen 2x2 / 20 Gbps) acceptable
- Compatibility: Must support Windows, macOS, and Linux environments
- Form Factor: Compact, lightweight, portable design suitable for field and lab use
- Power: USB bus-powered; no external power supply required

Build Quality & Reliability

- Durable enclosure with shock resistance
- Ruggedized or drop-tested design preferred
- Suitable for continuous professional usage
- Must support sustained high-speed transfers without significant thermal throttling

Security & Data Protection

- Hardware-based encryption (AES-256 or equivalent) preferred
- Password protection capability
- Suitable for secure storage of sensitive and forensic data
- Data integrity and reliability features must be ensured

Compatibility & Usability

- Plug-and-play operation
- Compatible with standard file systems (exFAT / NTFS / cross-platform use)
- No proprietary restrictions limiting interoperability

Accessories & Deliverables

- USB-C to USB-C cable
- USB-C to USB-A cable (where applicable)
- All required accessories for immediate use

Compliance & Certification

- CE / FCC or equivalent international certification
- Factory-tested and quality assured

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM's offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.

- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

EVALUATION / MARKING CRITERIA		
Sr.	<i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Compliance with required capacity distribution (1TB / 2TB / 4TB / 8TB). Non-compliant / not offered = 0; partially compliant = 7; fully compliant = 10.	10
b.	Interface and data transfer performance. Non-compliant / not offered = 0; partially compliant = 7; fully compliant = 10.	10
c.	System compatibility and interoperability. Non-compliant / not offered = 0; partially compliant = 7; fully compliant = 10.	10
d.	Build quality, durability, and thermal performance. Non-compliant / not offered = 0; partially compliant = 7; fully compliant = 10.	10
e.	Security features (encryption, data protection). Non-compliant / not offered = 0; partially compliant = 7; fully compliant = 10.	10
f.	Accessories, usability, and deployment readiness. Non-compliant / not offered = 0; partially compliant = 7; fully compliant = 10.	10
g.	Functional completeness and suitability for forensic usage. Non-compliant / not offered = 0; partially compliant = 7; fully compliant = 10.	10
Total		70

Table 22: Managed Network Switch (Qty = 02)
TECHNICAL SPECIFICATIONS / REQUIREMENTS

- Layer 2/Layer 3 Managed Enterprise Switch
- Ports: Minimum 24 × 10/100/1000 Mbps RJ-45
- Uplinks: Minimum 4 × SFP/SFP+ (1G/10G capable)
- Switching Capacity: ≥128 Gbps; forwarding rate ≥ 95 Mpps
- MAC Table: Minimum 16K entries
- VLAN: IEEE 802.1Q VLAN support (≥ 4K VLAN IDs)
- Spanning Tree: STP / RSTP / MSTP
- QoS: Layer 2/3 QoS, traffic shaping, prioritization
- Link Aggregation: LACP (802.3ad)
- Multicast: IGMP Snooping (v2/v3)
- Security:
 - Port security
 - DHCP snooping
 - Dynamic ARP inspection
 - ACLs
- Management:
 - CLI, Web GUI, SSH
 - SNMP v2/v3
- Power:
 - **220–240V AC, 50 Hz compatible**
 - Internal PSU preferred
- Environmental:
 - Operating temp: **0–45°C**, humidity 10–90% non-condensing
- Compliance:
 - IEEE standards, **CE / FCC / RoHS**
- Additional:
 - **IPv6 support, jumbo frame support (≥9K)**
 - Firmware upgradable
 - Must not be End-of-Life product

Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Port density, uplink capability & scalability	10
b.	Switching capacity, forwarding rate & performance	10
c.	L2/L3 features (VLAN, QoS, STP, multicast)	10
d.	Security features (ACL, DHCP snooping, ARP inspection, port security)	10
e.	Management & monitoring (CLI, SNMP, GUI, remote access)	10
f.	Hardware design, rack mounting & redundancy readiness	10
g.	Functional completeness, interoperability & standards compliance	10

Total	70
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Table 23: Enterprise Router (Qty = 04)		
TECHNICAL SPECIFICATIONS / REQUIREMENTS		
<ul style="list-style-type: none"> • Interfaces: Minimum 4 × Gigabit Ethernet ports • Throughput: ≥1 Gbps • Routing: <ul style="list-style-type: none"> ○ Static, OSPF, BGP (preferred) ○ IPv6 routing support mandatory • VPN: IPSec / SSL VPN • Security: NAT, ACLs, firewall policies • WAN: Dual WAN, load balancing, failover • Management: CLI, Web GUI, SNMP • Logging: Syslog support • Power: 220–240V AC, 50 Hz compatible • Environmental: 0–45°C operating range • Compliance: CE / FCC / RoHS • Additional: <ul style="list-style-type: none"> ○ DNS/DHCP services capability preferred ○ Firmware upgradeable ○ Must not be End-of-Life 		
Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Interface availability, scalability & WAN capability	10
b.	Routing performance & throughput efficiency	10
c.	Routing protocol support (OSPF, BGP, dynamic routing)	10
d.	VPN capability & encryption features	10
e.	Security functions (NAT, ACLs, firewall policies)	10
f.	Management, monitoring & logging capabilities	10
g.	Deployment readiness, redundancy & interoperability	10
Total		70

Table 24: Network Hub (Qty = 02)		
TECHNICAL SPECIFICATIONS / REQUIREMENTS		
<ul style="list-style-type: none"> • Ports: Minimum 8 × 10/100 Mbps • Plug-and-play operation • LED indicators for link/activity • Build: <ul style="list-style-type: none"> ○ Industrial-grade enclosure (metal preferred) • Power: <ul style="list-style-type: none"> ○ 220–240V AC adapter compatible with local supply • Environmental: <ul style="list-style-type: none"> ○ Operating temp: 0–45°C • Compatibility: <ul style="list-style-type: none"> ○ Standard Ethernet device support • Additional: <ul style="list-style-type: none"> ○ Fan-less design preferred ○ Factory tested 		
Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Port configuration & compliance with specifications	10
b.	Operational simplicity & plug-and-play functionality	10
c.	Build quality, enclosure & durability	10
d.	Power reliability & operational stability	10
e.	Indicator functionality & usability (LED status)	10
f.	Compatibility with networking ecosystem	10
g.	Functional completeness & reliability	10
Total		70

Table 25: Hardware Firewall Appliance (Qty = 02)		
TECHNICAL SPECIFICATIONS / REQUIREMENTS		
<ul style="list-style-type: none"> • NGFW appliance • Throughput: ≥1 Gbps • Interfaces: Minimum 4 × Gigabit ports • Security Features: 		

<ul style="list-style-type: none"> ○ Stateful inspection ○ IPS/IDS ○ URL filtering ○ Application control ○ SSL inspection capability preferred • VPN: <ul style="list-style-type: none"> ○ IPSec / SSL VPN • Management: <ul style="list-style-type: none"> ○ Web-based centralized interface • Logging: <ul style="list-style-type: none"> ○ Syslog, event monitoring • HA: <ul style="list-style-type: none"> ○ Active/passive support preferred • Power: <ul style="list-style-type: none"> ○ 220–240V AC compatible • Environmental: <ul style="list-style-type: none"> ○ 0–45°C operating conditions • Compliance: <ul style="list-style-type: none"> ○ CE / FCC / RoHS • Additional: <ul style="list-style-type: none"> ○ Firmware updates available ○ Must not be End-of-Life 		
Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Firewall throughput & performance efficiency	10
b.	NGFW capabilities (IPS/IDS, filtering, application control)	10
c.	VPN capability & secure communication features	10
d.	Interface configuration & network integration	10
e.	Logging, monitoring & visibility features	10
f.	Management interface usability & control	10
g.	Deployment readiness, HA capability & interoperability	10
Total		70

Table 26: Network Cables (Qty = 20)
TECHNICAL SPECIFICATIONS / REQUIREMENTS

<ul style="list-style-type: none"> • Type: CAT6 or higher • Length: ≥ 3 meters • Connector (Shielded): RJ-45 • Compliance: <ul style="list-style-type: none"> ○ TIA/EIA-568-B or higher • Jacket: <ul style="list-style-type: none"> ○ PVC or LSZH preferred • Performance: <ul style="list-style-type: none"> ○ Gigabit Ethernet capable • Manufacturing: <ul style="list-style-type: none"> ○ Factory terminated and tested • Additional: <ul style="list-style-type: none"> ○ Fluke-tested or equivalent certification preferred ○ Colour coding preferred ○ Durable for long-term use 		
Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Cable category compliance (CAT6 or higher)	10
b.	Length, usability & consistency	10
c.	Connector quality & termination	10
d.	Shielding, signal integrity & performance	10
e.	Build quality, durability & jacket material	10
f.	Compliance with standards & certifications	10
g.	Completeness, testing & supply quality	10
Total		70

Table 27: Mobile Phones for Testing (Qty = 2 for each type)
TECHNICAL SPECIFICATIONS / REQUIREMENTS
<p>The bidder shall supply mobile devices for forensic testing purposes, complete with original charger, cable, and standard accessories, as a ready-to-use package. The offered devices shall include the following or equivalent:</p> <p>Apple Devices</p> <ul style="list-style-type: none"> • Apple iPhone (USB-C port) • Apple iPhone 13 or Apple iPhone 14 (Lightning port)

Android Devices (Latest Available OS)

The bidder shall supply Android mobile phones representing the following chipset categories, with each device running the latest available supported operating system version at the time of delivery:

- MediaTek Helio G Series chipset
- MediaTek P35 chipset
- Qualcomm Snapdragon chipset
- Samsung Exynos chipset
- Google Tensor chipset
- Kirin chipset
- UNISOC / Spreadtrum chipset

Table 28: ISO Class 5 Cleanroom Facility (Qty = 01)

TECHNICAL SPECIFICATIONS / REQUIREMENTS

Item Category: Infrastructure / Facility

- Designed for contamination-sensitive laboratory operations requiring **ISO Class 5 cleanroom performance** in accordance with **ISO 14644**, suitable for forensic, electronics, inspection, micro-component, and precision handling environments.
- The bidder shall provide **complete design, supply, installation, testing, and commissioning (DSITC)** of a fully integrated modular cleanroom, including all civil, mechanical, electrical, HVAC, control, monitoring, safety, validation, and accessory components required for operational readiness.
- The cleanroom shall achieve **ISO Class 5 cleanliness**, with particle concentration not exceeding **3,520 particles/m³ for particles ≥0.5 μm**, or better.
- Airflow shall be **unidirectional vertical laminar airflow** using ceiling-mounted **HEPA/ULPA FFUs**, providing approximately **300–480 ACH**, average airflow velocity of **0.45 m/s ±20%**, uniform downward airflow, and low-level return air.
- FFU ceiling coverage shall be **minimum 60–70%**, with suitable capacity, typically **500–750 CFM** or equivalent per unit.
- HVAC system shall maintain **20–22°C, 30–50% RH**, and **+10 to +15 Pa positive pressure** relative to adjacent areas.
- Cleanroom enclosure shall be modular, using **50–75 mm insulated PUF panels** or equivalent, with smooth, cleanable, non-shedding, chemical-resistant finish.
- Flooring shall be **seamless cleanroom-grade ESD-safe flooring** with surface resistance in the order of **10⁶ to 10⁹ ohms**.
- Doors shall be **airtight cleanroom-type**, self-closing, properly sealed, and interlocked where required; windows shall be **flush-mounted double-glazed** type.

- Lighting shall be **flush-mounted sealed LED**, minimum **IP65**, providing approximately **500–1000 lux** at working level.
- The facility shall include **gowning/change area**, storage, seating/bench arrangement where required, **tacky mats**, **air shower unit(s)**, and **static and/or dynamic pass box(es)** as required.
- Air shower shall provide approximately **20–25 m/s air velocity**, **20–30 second cycle**, and interlocked doors.
- The bidder shall provide complete **ESD grounding/bonding network** with earth continuity not exceeding **1 ohm**, or as per applicable standard.
- Electrical works shall include complete cleanroom-compatible **power distribution, DBs, wiring, sockets, lighting, equipment power points, earthing, and control cabling**.
- Environmental monitoring shall include at least **temperature, humidity, and differential pressure**, with alarms / particle monitoring where offered.
- The bidder shall provide full **testing, balancing, validation, and commissioning**, including particle count, airflow verification, HEPA integrity test, pressure differential verification, temperature/humidity verification, and functional testing of all interlocks, alarms, FFUs, air showers, pass boxes, and monitoring systems.
- Complete documentation shall be provided, including **drawings, schematics, test/validation reports, O&M manuals, datasheets, warranty/support documents, and training records**.
- The bidder shall provide **on-site training** for operation, monitoring, safety, cleaning protocol, and routine maintenance.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM's offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.

<ul style="list-style-type: none"> • If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component. • The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract. 		
Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Cleanliness classification and airflow design as specified, including ISO Class 5 compliance, ACH, laminar airflow pattern, FFU coverage, and airflow velocity. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
b.	HVAC and environmental control performance as specified, including temperature, humidity, pressure differentials, and stability for continuous operation. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
c.	Construction quality and material suitability as specified, including modular panel system, flooring, doors, windows, sealed lighting, and cleanroom-compatible finishes. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
d.	Entry control and contamination-control features as specified, including gowning area, air shower, pass boxes, interlocks, tacky mats, and clean transfer arrangements. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
e.	Electrical, ESD, grounding, monitoring, and control systems as specified, including ESD flooring, grounding network, environmental monitoring, alarms, and clean electrical installation. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
f.	Validation, testing, documentation, and training as specified, including particle count, airflow, HEPA integrity, pressure verification, O&M manuals, drawings, and operator training. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
g.	Warranty, maintenance support, spare-parts/service support, and local after-sales capability as specified. Non-compliant / not offered = 0; meets baseline = 7; exceeds stated requirement = 10.	10
Total		70

Table 29: General Purpose Server (Qty = 03)
TECHNICAL SPECIFICATIONS / REQUIREMENTS
Item Category: Infrastructure / Facility

- **Form Factor / Platform:** Enterprise-class rack-mount server, preferably **2U**, from a recognized branded OEM, with support for dual-socket processor architecture, redundant components, and remote management.
- **Processor:** Minimum **2 x server-grade processors** from Intel Xeon Silver/Gold or AMD EPYC series, or equivalent, with minimum **16 cores per processor** and balanced performance suitable for virtualization, application hosting, database, storage, and general enterprise workloads.
- **Memory:** Minimum **128GB DDR5 ECC RDIMM RAM**, expandable to **512GB or higher**, or equivalent.
- **Storage Controller:** Enterprise RAID controller supporting RAID 0, 1, 5, 6, 10, 50, and 60 with cache protection / flash-backed write cache, or equivalent.
- **Storage:**
 - Minimum **2 x 960GB enterprise SSDs** for OS in RAID 1
 - Minimum **4 x 2.4TB enterprise SAS / SATA HDD or SSDs** for data storage, configurable in RAID
 - Server shall support future storage expansion through additional drive bays
 - **Networking:** Minimum **4 x 1GbE ports** and **2 x 10GbE ports**, or equivalent; additional network expansion capability preferred.
 - **Management:** Dedicated out-of-band remote management port with web-based console, virtual media, health monitoring, alerting, and remote power control.
 - **Power Supply:** Minimum **dual hot-swappable redundant power supplies**, high-efficiency rated.
 - **Cooling:** Redundant hot-swappable fans suitable for continuous data center operation.
 - **Expansion:** Sufficient PCIe expansion slots for NICs, HBAs, storage controllers, GPU, or other enterprise add-in cards.
 - **Security:** Support for TPM 2.0, Secure Boot, chassis intrusion detection, and role-based management access.
 - **Operating System Compatibility:** Compatible with standard enterprise server operating systems and major hypervisors.
 - **Accessories:** All required rails, power cords, NICs, transceivers/modules if applicable, and accessories for complete installation shall be included.
 - **General:** The offered server shall be supplied as a fully integrated, complete, tested, and ready-to-deploy solution.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.
- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM's offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing

<p>organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.</p> <ul style="list-style-type: none"> • Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement. • If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component. • The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract. 		
Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Processor configuration, core count, and suitability for general-purpose enterprise workloads	10
b.	Memory capacity, expandability, and ECC support	10
c.	Storage configuration, RAID support, and expansion capability	10
d.	Network interfaces and expansion capability	10
e.	Redundancy features including PSU, cooling, and remote management	10
f.	Installation, compatibility, accessories, and deployment readiness	10
g.	Warranty, local support, and after-sales services	10
Total		70

Table 30: Flash Programmers (Qty = 01 pack)
TECHNICAL SPECIFICATIONS / REQUIREMENTS
<p>Item Category: Hardware</p> <ul style="list-style-type: none"> • Designed for programming, reading, verifying, erasing, cloning, backing up, restoring, and testing a wide range of semiconductor memory and programmable devices used in hardware screening, repair, reverse engineering, firmware analysis, and embedded system support. • The offered solution shall support universal device programming for common flash and programmable IC families, including but not limited to: <ul style="list-style-type: none"> ○ SPI Flash ○ NOR Flash ○ NAND Flash

- **eMMC**
- **UFS**
- **EEPROM**
- **EPROM**
- **I²C / Microwire / SMBus serial memories**
- **Parallel memories**
- **MCU / BIOS / EC / embedded controller devices**, where supported
- **CPLD / PLD / programmable logic devices**, where applicable
- The programmer shall support both **in-socket programming** and **in-circuit / ISP programming**, where applicable.
- The offered solution shall support a broad range of package types through suitable adapters / sockets, including but not limited to:
 - DIP
 - SOP / SOIC
 - SSOP / TSSOP
 - TSOP
 - PLCC
 - QFP / LQFP
 - BGA
 - WSON / DFN / QFN
 - eMMC / UFS dedicated adapters, where applicable
- The system shall support **device auto-detection**, device identification, read / write / erase / blank check / verify functions, buffer management, and checksum / file verification features.
- The offered programmer shall support firmware / image handling for common file formats used in device backup and restoration.
- The solution shall include **PC-based control software** with device library, project management, operation logs, and regular database / device support updates.
- The offered solution shall provide safe operation features such as **over-voltage / reverse connection protection**, socket / adapter protection, and controlled programming voltage support, where applicable.
- The programmer shall be suitable for laboratory and technical workshop use, with stable performance, maintainable design, and OEM-supported software / firmware.
- The bidder shall provide all required standard accessories, cables, probes, ISP leads, power adapter, software, and a complete set of commonly required sockets / adapters for supported memory types and packages.
- The offered system shall be supplied as a **complete, integrated, and ready-to-use flash programming solution**.

Mandatory Requirement

- The bidder / vendor shall provide an official OEM warranty of a minimum of one (1) year from the date of delivery, or the minimum OEM standard warranty period, whichever is higher, for all supplied hardware items, unless otherwise specified in the bidding document.

- The bidder / vendor shall ensure a minimum of two (2) years of local support services, or support equivalent to the OEM's offered standard warranty period, whichever is higher, including repair, replacement, servicing, warranty claim facilitation, faulty hardware replacement, and necessary coordination with the principal / OEM / authorized partner for timely resolution of issues, unless otherwise mentioned.
- The successful bidder shall provide a comprehensive, turnkey delivery for all hardware and software components, encompassing physical installation, system commissioning, specialized software/hypervisor configuration, and end-to-end integration into the existing organizational ecosystem; the vendor remains fully responsible for ensuring all procured systems are optimized, interoperable, and delivered in a fully operational state, inclusive of all necessary licensing, firmware updates, and technical handover documentation.
- Repair, replacement, and servicing support for the supplied hardware shall be provided in accordance with the applicable warranty, support terms, and service response commitments defined in the contract and/or Service Level Agreement.
- If required by the Client, a Service Level Agreement may be executed at the time of contract award; therefore, the financial proposal shall clearly include an optional SLA cost/component.
- The quoted price shall be deemed inclusive of all applicable taxes and the SLA cost/component, wherever applicable under the final contract.

Sr.	EVALUATION / MARKING CRITERIA <i>The total score for this item (70 marks) shall be normalized to 40 marks for final technical evaluation.</i>	Score
a.	Support for wide range of flash / memory / programmable device types as specified	10
b.	Support for package types, sockets, adapters, and ISP / in-circuit programming capability	10
c.	Programming functions including read, write, erase, verify, backup, restore, and device identification	10
d.	Software capability, device library, logging, update support, and usability	10
e.	Safety, protection, reliability, and suitability for technical/laboratory use	10
f.	Completeness of supplied accessories, adapters, installation, and operational readiness	10
g.	Warranty, local support, and after-sales service	10
Total		70

10. DISQUALIFICATIONS

Proposals / bids shall be liable to rejection in case of any deviation from the instructions contained in the bidding documents, including but not limited to the following:

- a. False, incorrect, incomplete, or misleading submission of any affidavit, undertaking, certificate, statement, document, or declaration.
- b. Bid is submitted without the required **scanned copy of the Bid Security through EPADS**, and / or the original Bid Security instrument is not submitted within the prescribed time, where required under the bidding document.
- c. Offers are received after the specified date and time, or are submitted through any mode other than the prescribed EPADS procedure.
- d. Technical specifications, mandatory requirements, or other requirements are not properly adhered to, or the offered item(s) materially differ from those given in the bidding documents.
- e. Required GST / STN and NTN documents are not attached.
- f. Bidder is not on the Active Taxpayers List (ATL) of FBR for income tax and sales tax, or of the relevant Provincial Revenue Authority for sales tax, as applicable.
- g. Required sales, service, support, or authorized representation arrangements in Pakistan are not available, where such local presence / support is required in the bidding document.
- h. Quoted item(s), software, subscription(s), license(s), hardware, system(s), or solution(s) are under-rated, non-compliant, non-branded, refurbished, reconditioned, grey-market, unverifiable, or otherwise unacceptable under the bidding document.
- i. Required forms, annexures, compliance matrix, OEM / publisher authorization, financial statements, or any other mandatory supporting documents are not submitted in the prescribed manner.
- j. The bid is incomplete, partial, conditional, ambiguous, or otherwise non-responsive.

11. REDRESSAL OF GRIEVANCES BY THE PROCURING AGENCY

- a. The Procuring Agency has constituted a **Grievance Redressal Committee (GRC)** comprising an odd number of persons, with proper powers and authorizations, to address complaints of bidders that may arise prior to the entry into force of the procurement contract.
- b. Redressal of grievances and settlement of complaints shall be governed by **Rule 48 of the Public Procurement Rules, 2004**.
- c. The mere fact of lodging a complaint shall not, by itself, warrant suspension of the procurement process unless otherwise required under the applicable rules or lawful directions of the competent forum.
- d. Any bidder feeling aggrieved may lodge a written complaint in the manner and within the time prescribed under the applicable PPRA rules and the bidding document.

12. PERFORMANCE BANK GUARANTEE (PBG)

- a. The Bid Security of the successful bidder shall be retained until submission of the required Performance Security / Performance Bank Guarantee, as applicable under the contract. The Bid Security of unsuccessful bidders shall be returned in accordance with the applicable rules and the bidding document.
- b. The successful bidder shall furnish a **Performance Security / Performance Bank Guarantee amounting to five percent (5%) of the accepted contract price**, in Pakistani Rupees, within fifteen (15) calendar days

of issuance / acceptance of the Award Letter or before signing of the contract, whichever is prescribed in the contract documents.

- c. The Performance Security / Performance Bank Guarantee shall be furnished in one consistent form as prescribed in the bidding document and in favor of “Project Director – Cyber Security for Digital Pakistan”.
- d. If the contractor fails to supply, deliver, install, configure, commission, support, or otherwise perform the contract in accordance with the contract terms, or provides under-rated, under-quality, non-compliant, non-branded, or otherwise unacceptable item(s), software, license(s), subscription(s), solution(s), or support services, the Performance Security / Performance Bank Guarantee may be forfeited, wholly or partly, and the contract may be cancelled, without prejudice to any other remedy available under the contract or the applicable rules.
- e. Without limiting the generality of the foregoing, the following may also lead to forfeiture of the Performance Security / Performance Bank Guarantee and cancellation / termination of the contract, as applicable:
 - i. false, incorrect, or misleading submission of any undertaking, affidavit, or document;
 - ii. default under the contract;
 - iii. failure to fulfill contractual obligations;
 - iv. violation of any material term or condition of the contract;
 - v. initiation of blacklisting proceedings by the Procuring Agency in accordance with the applicable rules.
- f. The Performance Security / Performance Bank Guarantee shall remain valid until one (1) year after fulfillment of all contractual obligations, including warranty / support obligations, unless a different validity period is expressly specified in the contract.

13. AWARD OF CONTRACT

- a. Work shall be awarded on an **item-wise basis** under the **Single Stage – Single Envelope Procedure**, in accordance with the applicable PPRA rules and the bidding document.
- b. Only those bids that meet the mandatory requirements and are found **technically responsive / technically qualified** for the relevant item shall remain eligible for financial comparison.
- c. Where the relevant item is subject to a 70-mark technical evaluation, only those bids obtaining the prescribed qualifying marks for that item shall be treated as technically qualified / technically responsive.
- d. The contract shall be awarded to the bidder offering the **lowest evaluated price** for the relevant item from among the bids found technically responsive / technically qualified, in accordance with the bidding document and applicable PPRA rules.
- e. In the event that two or more bidders quote the same evaluated lowest price for an item, the Procuring Agency may proceed in accordance with the applicable PPRA rules and the bidding document, including obtaining best and final monetary offers through **EPADS / EPADS v2.0**, where applicable.
- f. In case of refusal or failure by the successful bidder to sign the contract or furnish the required Performance Security / Performance Bank Guarantee within the prescribed time, the Procuring Agency may proceed in accordance with the applicable PPRA rules and the bidding document against the next lowest evaluated technically qualified / technically responsive bidder.
- g. Delivery timelines, installation, commissioning, and acceptance requirements shall be governed by the relevant provisions of the bidding document and the contract.

- h. Any separate clause requiring a **10% Performance Bond** shall be deleted if the Performance Security / Performance Bank Guarantee is being retained at **5%** in Section 14.

14. CORRUPT OR FRAUDULENT PRACTICES

- a. For the purposes of this bidding document, corrupt and fraudulent practices shall be interpreted in accordance with the Public Procurement Rules, 2004, and other applicable laws, rules, regulations, and policy directions issued by the competent authority.
- b. If any bidder, contractor, supplier, or its representative is found to have engaged in corrupt, fraudulent, collusive, coercive, misleading, or obstructive practices in connection with the procurement process or contract execution, the Procuring Agency may reject the bid / proposal, forfeit the Bid Security or Performance Security / Performance Bank Guarantee, cancel the contract, and initiate any other action permissible under the applicable rules, including blacklisting proceedings where warranted.

15. PAYMENT PROCEDURE

- a. No advance payment shall be made unless expressly provided in the contract or approved by the competent authority in accordance with the applicable rules.
- b. Release of payment shall be subject to verification of delivery, installation, commissioning, acceptance, and fulfillment of contractual requirements, as applicable.
- c. Payment shall be made against duly submitted invoice(s) / bill(s), delivery documents, installation / commissioning certificates, and acceptance documents, in accordance with the following schedule, unless otherwise stated in the contract:

Sr. No.	Milestones	Time Period	Payment
1.	Supply, delivery, installation, configuration, and commissioning of the equipment / software / subscription / solution, as applicable	4 to 6 weeks for inland items, and 8 to 12 weeks for imported items, from the date of issuance of Purchase Order or signing of contract, as applicable	40%
2.	Successful testing, inspection, acceptance, handover of deliverables, and submission of all required documentation	Within four (4) weeks from installation / configuration / commissioning, or as confirmed by the Procuring Agency	60%

NON-DISCLOSURE AGREEMENT

THIS NON-DISCLOSURE AGREEMENT (“NDA”) is made and entered into at **Islamabad, Pakistan** on the __ day of----- 2021

BY AND BETWEEN

National Cyber Emergency Response Team (NCERT), a statutory regulatory authority established under Prevention of Electronic Crime Act, 2016 (XL of 2016), having its Head Quarter at NCERT, Block L, Pakistan Secretariat, Islamabad (hereinafter called as the “**CLIENT**” which expression shall where the context admits, include its administrators and permitted assigns) of the One Part:

AND

(insert name of Company/Contractor) a Company incorporated under the laws of having its registered office at-----through its authorized representative Mr.....(herein after called as “the **Contractor**”) which expression shall where the context so allows include his/its successors-in-interest, executors, administrators, heirs and permitted assigns) of the **Other Part**;

(The Party of the One Part and Party of the Other Part shall hereinafter be collectively referred to as ‘Parties’ and individually as ‘Party’ as the context of this NDA requires).

WHEREAS,

1. The parties have entered into Agreement dated, (the “Agreement”) whereby, the Client may have to disclose certain nonpublic and proprietary information in result of execution and subsequent operation of the Agreement to the Contractor, which may fairly be considered to be of confidential nature including, but not limited to, methods, practices and procedures with which the Parties conduct their respective businesses, Internal working, decisions or Standard operating Procedures (SOPs) which are not Public documents, strategies in dealing with the Operators, Licensees, licensee lists, contract terms, methods of operation, software specifications, software codes, functionality, know how, financial information, entity or IT and OT sector specific security and threat intelligence information etc. the Know-How, information pertaining to its principles, pricing policy, commercial relationship, negotiations or parties’ projects, affairs, finances or any information in respect of which the parties are bound by an obligation of confidentiality to any third party.
2. The Parties are desirous to set the terms and conditions hereunder and sign this NDA.

NOW, THEREFORE THIS AGREEMENT WITNESSETH, for good and valuable consideration,

it is hereby agreed between the parties as under;

1. Under this NDA, the Contractor is under an obligation to keep all such information confidential that is disclosed in the course of the Agreement and after completion of the term of the Agreement with the Client, and not to use it to the detriment of the Client or its licensees. In particular, the Contractor shall not use it for, or disclose it to, any of its new employer or client or to other direct or indirect stakeholders
2. Any unauthorized disclosure or use of the confidential information could prejudice the rights of Client and shall lead Contractor and third party, to whom it is disclosed, for remedy as per law.

3. **Definition of Confidentiality.**

In addition to the definition used in the Agreement, "Confidential Information" refers to any information which has commercial value and is either (i) technical information, including patent, copyright, trade secret and other proprietary information, techniques, sketches, drawings, models, inventions, know-how, processes, apparatus, equipment, algorithms, software programs, software source documents, and formulae related to the current, future and proposed products and functions of the Client, or (ii) non-technical information relating to Client's functions, responsibilities, operations including, without limitation, plans and strategies, finances, financial and accounting data and information, suppliers, stakeholders, purchasing data, strategical plans and any other information which is proprietary and confidential to Client.

4. **Exclusions.**

Confidential Information shall not include the following:

- a. information which is now or which hereafter becomes publicly known or available through no act or failure on the part of the Contractor;
- b. information which is actually known to the Contractor prior to the time of receipt of such Confidential Information;
- c. information which is furnished to the Contractor by a third party who has rightfully obtained the Confidential Information without restriction on disclosure;
- d. information which is independently developed by the Contractor without use of or reference to the Confidential Information of the Client that does not otherwise contravene the terms and provisions of the Agreement, and which such independent development can be established by evidence that would be acceptable to a Court of competent jurisdiction;
- or
- e. information which the Contractor is by law, order of a Court of competent jurisdiction, or other legal compulsion required to disclose; including but not limited to provision of information required by recognized stock exchange, regulation, governmental or regulatory body etc.
- f. information that is disclosed by the Contractor with the prior written approval of the Client.

5. **Nondisclosure and Non-use Obligations.**

Subject to confidentiality clause under the Agreement, the Contractor will maintain in confidence and will not disclose, disseminate or use any Confidential Information belonging to Client, whether or not in written form. The Contractor agrees that Contractor shall treat all Confidential Information of Client with at least the same degree of care as Contractor accords its own Confidential Information. Contractor further represents that the Contractor exercises at least reasonable care to protect its own Confidential Information. the Contractor agrees that Contractor

shall disclose Confidential Information only to those of its employees who need to know such information and certifies that such employees have previously signed a copy of this Agreement.

Non-Disclosure of Confidential Information. The Contractor hereby agree and undertake that they shall not

- a. disclose Confidential Information *[for the existence or content of any negotiations or discussions]*- between the Parties to any third party other than as authorized in clause 4 above; or (ii) use the Confidential Information disclosed to it by the Client for its own use or for any purpose, other than for the Purpose.
- b. Provided, however, that the Contractor may, without being required to seek prior written consent of the Client, disclose, in connection with the proposed business venture described in clause 5 above, to the extent necessary for the Purpose, Confidential Information to such of the following persons who reasonably require the same:
 - (i) employees, officers and directors of the Contractor;
 - (ii) employees, officers and directors of any Affiliate of the Contractor;
 - (iii) to any professional consultants/advisors retained by the Contractor acting for the purpose of advising the Contractor on the Purpose.
- c. The Contractor shall procure that any Confidential Information disclosed to any employee, officer or director of the Contractor or any of its Affiliates or any professional consultants/advisors retained by the Contractor shall be held strictly confidential on the same terms as set out herein.
- d. The Contractor further undertakes and agrees:
 - i. to take all reasonable steps to protect the secrecy of Confidential Information and avoid disclosure, publication, or dissemination of the Client's Confidential Information or use of Confidential Information of the other in order to prevent it from falling into the public domain or the possession of unauthorized persons, using the same standard of care and discretion that Contractor uses to protect its own confidential information
 - ii. to notify the Client in writing of any misuse or misappropriation of Confidential Information by any person of which it may become aware.
 - iii. in the event it receives any lawful order by a court or government entity to disclose Confidential Information of the Client, that it shall notify the Client immediately in order to provide the Client the opportunity to seek an appropriate protective order. If the Client is unable to procure such protective order, the Contractor may disclose such Confidential Information only to the limited extent required to comply with such order;
- (i) not to use the Confidential Information for purposes of unfair or improper competition. The Contractor shall not copy, alter, modify, reverse engineer, disassemble, or decompile any of the materials, software code or other tangible items that embody Confidential Information of the Client. The Contractor shall not copy or permit copying of Confidential Information of the other except as permitted in writing by Client.

6. **Miscellaneous.**

- a. **Successors and Assigns:** This Agreement shall be binding upon and for the benefit of the executing Parties, their successors and assigns, provided that Confidential Information may not be assigned without consent of the Client.
- b. **Entire Understanding:** The Agreement and NDA sets forth the entire understanding and agreement of the parties with respect to the subject matter hereof and supersedes all prior or contemporaneous oral or written representations and understandings.

- c. **No Waiver:** Any failure or delay by either Party to enforce any provision of this NDA or to exercise any right under this NDA will not be construed as a waiver of its rights.
 - d. **Amendment:** This NDA may be amended or modified only in a writing signed by both Parties.
 - e. **Parties Independent:** The Parties agree that each Party is an independent party/contractor and that this NDA will not be construed as a teaming agreement, joint venture, partnership or other business relationship.
 - f. **Good Faith:** The Parties agree to act in good-faith in the performance of all their obligations and in exercise of all their rights, powers and privileges hereunder.
 - g. **Dissociability:** Each provision of this NDA is dissociable and distinct from the others. The invalidity, illegality, or unenforceability of any one or more provisions of this Agreement at any time shall not in any way affect or impair the validity, legality, and enforceability of the remaining provisions hereof.
 - h. **Governing Law.** This NDA shall be governed in all respects in accordance with the laws of Pakistan and will be governed by and construed in accordance with the laws of Pakistan, without application of its conflict of law rules. The Parties agree that all legal proceedings arising from or relating to the Agreement and NDA or breach thereof will be brought and maintained exclusively in the courts of Pakistan.
7. **Survival.** This NDA shall govern all communications between the Parties. The Contractor understands that its obligations under Paragraph 5 ("Nondisclosure and Non-use Obligations") shall survive for two years after the termination or expiry of the NDA. Upon termination of any relationship between the Parties, the Contractor will promptly deliver to Client, without retaining any copies, all documents and other materials furnished to the Contractor by Client.
8. The Contractor agrees and undertakes that upon termination of the Agreement/NDA by the Client.
- a. shall return to Client all documents and property of Client, even if not marked "confidential" or "proprietary," including but not necessarily limited to drawings, reports, manuals, correspondence, customer lists, computer programs, and all other materials and all copies thereof relating in any way to Client, or in any way obtained by the Contractor during the course of the Agreement and shall not retain copies, notes or abstracts of the foregoing.
 - b. The Client may notify any future or prospective employer or third party of the existence of this Agreement/NDA.
9. **Injunctive Relief.**
- a. A breach of any of the promises or agreements contained herein will result in irreparable and continuing damage to Client for which there will be no adequate remedy at law, and Client shall be entitled to injunctive relief and/or a decree for specific performance and such other relief as may be proper (including monetary damages if appropriate).
 - b. Removal of difficulty or conflict of clauses. In case of any difficulty which may arise as result of conflict or discrepancy or misinterpretation of clauses of NDA or Agreement or any annexures thereto, the Client, on its sole and absolute discretion remove such conflict or discrepancy or misinterpretation in a manner that may not prejudice the rights of the Client.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the dates written below.

For and on Behalf of Client	For and on behalf of Contractor
Signed by _____ Seal _____ Witness _____	Signed by _____ Seal _____ Witness _____