F. No. HQ/CL/Examiner of ER/2016/20   **Dated:** 30.11.2021

CORRIGENDUM NO. 1

With reference to open tender No. HQ/CL/Examiner of ER/2016/20 placed on Central Public Procurement Portal (CPPP) & Directorate of Enforcement's website(https://enforcementdirectorate.gov.in) on 16.11.2021 for procurement of equipments/items required for ED's new Cyber Forensic Lab at National Forensic Sciences University (NFSU), Gandhinagar, Gujarat – 382007, amendments in the said tender document are as follows:

1. Chapter 1, Clause No. 7.1 at page no. 8:

   "Bid Security Deposit (Earnest Money) of Rs.5,00,000/-(Five lakh only) shall be deposited by the bidder with the technical bid in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the commercial banks, in favour of Deputy Director (Admn.), Enforcement Directorate, Hqrs., New Delhi. **Failure to do so will result in the rejection of the bid."**

   Amendment: In this regard, "Earnest Money Deposit" may be read as "Bid Security Declaration" in the said clause of the bid document.

2. Chapter 3, page no. 38, the technical specifications of equipment/item at Sl. No. 8 i.e. KNOVOS Suit with Hardware.

   Amendment: As per the requirement of the Directorate, the technical specifications of KNOVOS Suit with Hardwareare hereby specified and are provided in **Annexure-A** to this Corrigendum.

3. Chapter 3, page no. 38, the technical specifications of equipment/item at Sl. No. 9 i.e. UPS, has been mentioned as "60 KVA".

   Amendment: The technical specifications of equipment/item at Sl. No. 9 i.e. UPS shall be now read as "60 KVA with 06 hours of power backup" in place of "60 KVA".

4. Chapter 3, page no. 19 to 38, providing the technical specifications of equipments/items, as mentioned in the said bid document.

   Amendment: Technical specifications of equipments/items are revised to latest version. Accordingly, the participating bidders are allowed to participate only with the latest versions of all items/equipments mentioned in the bid document.

5. Chapter 1, Clause No. 2.5 at page no. 3, in respect of requirement of demonstration of equipments/items.

   Amendment: In this regard, the place of live demonstration is as under:

   Place: National Forensic Sciences University, Gandhinagar, Gujarat – 382007.

   Further, list of items for which physical/live demonstration is mandatorily required at NFSU, Gandhinagar, Gujarat, are as under:

   List of items: i. Encase Network;   ii. Password Recovery Tool;
                   iii. Forensic Imager; &   iv. NUIX.

   The participating bidders are required to provide a detailed brochure for all the equipments/items mentioned in the bid document. Further, the participating bidders are required to make best efforts to give live demonstration of all equipments/items at NFSU, Gandhinagar, Gujarat. However, if due to practical/operational considerations, physical/live demonstration is not possible for any items, then the demonstration of such equipments/items may be provided remotely, only in case of the following items:

       i. UFED 4 PC;   ii. Forensic Workstation;
       iii. Forensic Server; &   iv. KNOVOS Suit with Hardware.

6. Chapter 2, Clause No. 8.6 at page no. 14, of the said bid document, reads as under:

   "During the term of guarantee/warranty the service/repair calls will have to be attended by the Supplier **within (02) two hours** from the time of such calls at the location of maintenance base and **within 12(twelve) hours** for other locations or off station calls. The defective card/item/equipment should be repaired the same day at Purchaser's location. In case of major defects requiring the defective card/item/equipment to be taken to the Supplier's workshop, it should be returned within a week duly repaired and an immediate substitute card/item/equipment will be provided by the Supplier for the smooth operation of the System. The to and fro transportation of the card/item/equipment will be the responsibility of Supplier."

   Amendment: Now, the Chapter 2, Clause No. 8.6 at page no. 14, shall read as:

   "During the term of guarantee/warranty the service/repair calls will have to be attended by the Supplier **within (02) two hours** from the time of such calls at the location of maintenance base. The defective card/item/equipment should be repaired the same day at Purchaser's location. In case of major defects requiring the defective card/item/equipment to be taken to the Supplier's workshop, it should be returned within a week duly repaired and an immediate substitute card/item/equipment will be provided by the Supplier for the smooth operation of the System. The to and fro transportation of the card/item/equipment will be the responsibility of Supplier."

7. In Chapter 3, at page no. 34and item/equipment of Sl. No. 5i.e. Forensic Workstation, sub-point Write Blocker, it has been mentioned as "Write Blocker: Logicube Write Protect-BAY".

   Amendment: In this regard, "Write Blocker: Logicube Write Protect-BAY" shall now be read as "Write Blocker: Write Protect-BAY".

8. In Chapter 3, at page no. 35 and item/equipment of Sl. No. 6 i.e. Forensic Server, sub-point Write Blocker, it has been mentioned as "Write Blocker: Logicube Write Protect-BAY".

   Amendment: In this regard, "Write Blocker: Logicube Write Protect-BAY" shall now be read as "Write Blocker: Write Protect-BAY".

9. In Chapter 3, at page no. 33and item/equipment of Sl. No. 5 i.e. Forensic Workstation, sub-point Chipset, it was mentioned as "Chipset: Intel®X299 chipset".

   Amendment: In this regard, "Chipset: Intel®X299 chipset" shall be now read as "Chipset: Latest version Intel®X299 chipset or AMD®TRX 40 chipset".

10. In Chapter 3, at page no. 35and item/equipment of Sl. No. 6 i.e. Forensic Server, sub-point Chipset, it was mentioned as "Chipset: AMD®TRX40 chipset".

    Amendment: In this regard, "Chipset: AMD®TRX40chipset" shall be now read as "Chipset: Latest versions of Intel®X299 chipset or AMD®TRX 40 chipset".

11. In Chapter 3, at page no. 22 and item/equipment of Sl. No. 2 i.e. Password Recovery Tool, the technical specification of sub-point Hardware Write-Blocker was mentioned as "Hardware Write-Blocker (IDE, SATA, SAS, USB, FIREWIRE) with touch screen display connected on USB 3.1 USB".

    Amendment: In this regard, the said item shall be now read as "Hardware Write-Blocker (IDE, SATA, SAS, USB, FIREWIRE) connected on USB 3.1 USB".

All other terms and conditions of the tender document shall remain the same.

(Monika Sharma)
Additional Director

Specification for KNOVOS SUITE with Hardware

Module – I (Case Review and Analytics Solution)

It should have following capabilities

Administration

1. It should be able to quickly comprehension of data interchange across applications spanning the proposed solution.
2. It should reinforce security and user access control with Single Sign-On.
3. It should be centralized product that access ensures efficient user management and transparency.
4. It should be comprehensive granular level user activity audit for efficient monitoring.
5. It should be granular security matrix for enhanced protection and efficient case administration.
6. It should have rapid case workspace setup to quickly create a new case.

Data Processing

1. It should be efficient for extracting and processing of multiple data types.
2. It shall be efficient structured & unstructured data handling.
3. It should have wide multilingual support – 150+ languages.
4. It should have Global and matter-level dashboards that provide quick actionable insights.
5. It should be able to quickly process data using the best available algorithms and methods.
6. It should be able to standardized load templates, processing in different time zones/languages within the same matter.
7. It should have Multi-Pass Exception Processing.
8. It should have Automated and Customizable Reporting.
9. It should have Comprehensive Case Auditing.
10. It should have Multi-Tiered Exception Handling.
11. It should have Automatic publishing for document review.
12. It should be able to Configure Alerts and Notifications.

Case Repository (Multi – Matter Repository)

1. It must be able to have Multi-Matter Repository for efficient work-product reuse.
2. It shall be centralized, intuitive interface with functionality for cost estimates and resource allocation.
3. It should be able to have advanced filtering capabilities ensure 40%-60% data reduction before Investigative Data Review.
4. It should be able to perform deep and rapid analysis of big data through content analytics.
5. It shall be able to have multidimensional analytics that provides the ability to drill in and out of information quickly to gain actionable intelligence.

6. It should have easy to use visual interfaces providing intuitive insight and quick learning.
7. It must have advanced searching capabilities help locate information quickly.
8. It shall be accepted industry culling processes and best practices ensure high defensibility.
9. It shall provide robust reporting capabilities provide quick comprehension of matter status and productivity.
10. It shall provide high-level scalability to manage billions of documents.
11. It shall be able to identify key documents and avoid duplicate work reducing data redundancy.
12. It should have two-factor authentication ensures enhanced security.
13. It shall have instant data visualization for quick comprehension.
14. It shall be able to efficiently identify and escalate key documents before review.
15. It shall be able to binder for consistent document classification.
16. It should have efficiently prioritized discovery project activities.

Investigation Review

1. It should be able to have complex search building, customized workflows, and logic-driven Data Classification review rules to automate decision-making.
2. It shall be able to supervised & unsupervised machine learning (Predictive Coding/Technology assisted Review) with Continuous Active Learning (CAL) to save Investigation review costs and time.
3. It shall have simple navigation, intuitive interface, and rapid learning curve allow users to quickly begin the review.
4. It should have Unicode compliant with a simple interface for machine-generated or "on the fly" user-generated translations.
5. It must support terabytes of data, native file formats, and multiple redaction/ annotation overlays.
6. It shall have robust searching capabilities like full text, metadata, and regular expression for refined results.
7. It shall be able to efficiently identify and classify documents with tagging, comments, and binders.
8. It must be able to automate customized review workflows & batch assignments for faster and efficient Investigation document review.
9. It should have comprehensive classification Rules for greater review efficiency.
10. It should be able to provide robust reporting capabilities that include Daily Status, Productivity, and Workflow Status report, etc.
11. It shall have In-depth analysis of Work Product to continuously improve case strategy
12. It shall perform keyword phrases to assist in quickly identifying relevant search terms.
13. It must be able to provide near-duplicate detection that identifies documents with multiple levels of content similarity in the threshold of 40–90%.
14. It shall be able to find exact duplicate detection at Document and Family Level.
15. It should have email threading, identifying unique emails across the thread, identifying email domains and users.
16. It should have ability to highlight Specific Keyword Categories (Responsive, Privilege)

17. It shall be able to staked coding panel with auto-save and logic-driven review rules to automate decision-making with the ability to perform bulk coding and setup user-defined shortcuts.
18. It should be able to provide tags that can be configured to apply to entire families of documents or exact duplicates, and the custom tags can be limited to which data sets they can be applied to.
19. It shall be able to review the document, annotated, redacted, or highlighted within the document viewer. The document viewer should support more than 300 types of file formats and allows a user to review a document natively, as an image, or as a text file.
20. It shall have redactions - Native (Excels) and Image redactions with the ability to copy redactions, apply redaction over multiple layers using user-defined redaction labels.
21. It should have the ability to print/export documents with stampings or create "on the fly" user-generated translations and images
22. It should be able to provide PII Analytics feature is available for conducting analytics on basis of different PII types such as person, location, organization, or fields like Email, American Express Card, Credit Card, Phone Number, SSN (Social Security Number). PII Analytics supports 150 + PII types.
23. It shall be able to identify tagging conflicts across email threads, family, duplicates.
24. It shall generate and Evaluate Random Statistical Sample.
25. It should be able to generate reports such as Privilege Log, Productivity Report, Review Workflow Status Report, Tag Summary, Production, Security, Audit Report, etc.
26. It should have holistic insight into data content through multi-dimensional analytics involving entity, email thread, key phrases, thematic clustering, near-duplicate identification, and communication.
27. It should have inclusive redaction capabilities like native excel redaction to hide sensitive information.
28. It should be able to provide multi-label redactions for one annotation layer bring greater review efficiency.
29. It shall be able to reinforce security and user access control with Single Sign-On.

Module – II (Dynamic Case Management Solution)

The solution should support:

1. A State-of-the-Art Legal Case Management for law enforcement agencies
2. Essentiality of a robust legal case management solution for the efficient running of Cases
3. Comprehensive Specification Handling
4. Tactical Task Administration
5. Evidence and media management
6. Integrated Email Management System
7. Multi Factor Authentication
8. Automated Binding of Email Ticket with Case
9. Subscribe to Alerts for Efficient case Management
10. Seamless Integration with various apis
11. Ease of sharing URL

12. The logistics of the facets of yields a compelling and sophisticated performance to users
13. Vigorous Security through Role-Based Users & Permissions
14. Understandable Interaction by Grids and Basic Operations
15. Dynamic case Operations
16. Dynamic Dashboard for case progress
17. Entity Management Section
18. Operative Jobs Module
19. Supervision of Individual Jobs and Tasks
20. Time Entry Module to Conclude Time Input
21. Massive File Repository
22. Dynamic Notes Section
23. Factual Report Generation
24. System Setup Section for Primary Configuration
25. Configure Global Field in Task Template
26. New Task Assignment Flow
27. Dynamic Assets Creation as per Requirements
28. Enhanced security with IP Address Restriction
29. Robust Integrity with User Account Authorization Flow
30. OTP Authentication
31. Notification History

Hardware Requirements

The following are the suggestion of having the minimum hardware requirement based on the users:

Server Role	No. of Servers (Quantity)	System Requirements
Application Server	2	**RAM:** 128 GB (Windows Server latest) **CPU:** 2.5 GHZ dual quad-core **Storage:** 2TB for application server **Addition Storage:** 20 TB Active
Database Server	1	**RAM:** 64 GB (Windows Server latest) MS SQL 2019 + **CPU:** 2.5 GHZ dual quad-core **Storage:** 2TB for DB data drive and 200GB for log drive.
Web Server	2	**RAM:** 32 GB (Windows Server latest) **CPU:** 2.5 GHZ dual quad-core **Storage:** 100 GB for the webserver
Index/Search Server	1	**RAM:** 64 GB (Windows Server latest) **CPU:** 2.5 GHZ dual quad-core **Storage:** Index/Search server 2TB
Worker	10	**RAM: 8** GB (Windows 10) **CPU:** 2.5 GHz dual quad-core