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“Improving International Judicial Cooperation In Criminal Matters in Turkey”

TECHNICAL REQUIREMENTS FOR THE PROCUREMENT OF THE EQUIPMENT FOR THE DEVELOPMENT OF A CENTRAL MONITORING SYSTEM FOR THE MINISTRY OF JUSTICE OF TÜRKİYE

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Disclaimer

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The views and opinions presented herein are those of the authors and should not be taken as to reflect the official position of the Council of Europe and/or the European Union.

The document was approved by the Ministry of Justice, Directorate for Foreign Relations and EU Affairs (DGFREU), main beneficiary of the procurement.

It was revised and adapted to fit the tender file for the procurement of the equipment.

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LIST OF ABBREVIATIONS

CE	Conformité Européenne
CMS	Central Monitoring System
CoE	Council of Europe
CSA	Canadian Standards Association
EN	European Standard
EU	European Union
FCC	Federal Communications Commission
ISO	International Organisation for Standardization
MoJ	Ministry of Justice of Türkiye
UL	Underwriters Laboratories
UYAP	Ulusal Yargı Ağı Bilişim Sistemi (Turkish National Judiciary Network)

1 BACKGROUND INFORMATION

The Council of Europe is currently implementing a project on “Improving International Judicial Cooperation in Criminal Matters in Turkey”, which aims to strengthen the capacities of Turkish authorities to establish effective and expedited international cooperation in criminal matters, thereby contributing to proper administration of justice in cases involving foreign elements. The Project is co-funded by the European Union and the CoE and implemented by the CoE.

The overall objective is to enhance the system and capacities of Turkish authorities to accelerate judicial proceedings and conduct effective international judicial cooperation in criminal matters. In this scope, the Ministry of Justice of Türkiye (MoJ/Beneficiary) wants to develop, deploy and operate a Central Monitoring System (CMS), which will be an integral part of the existing Turkish National Judiciary Network (UYAP), and a more effective system for collection and processing of incoming and outgoing mutual legal assistance requests.

The MoJ has already been employed an array of high-end server computers in order to operate and maintain UYAP system. In this implementation, a virtualisation solution enables establishing virtual servers, several servers within those physical servers, dedicated interchangeably for;

- Live operation
- Software development
- Software testing
- Back-up
- Redundancy (maintaining high availability, even in case of server failures)
- Network and information security

The CMS software development project requires MoJ to provide additional hardware capabilities, as well as to improve the capacity of the existing servers, for both development and operational purposes.

This document presents detailed technical specifications for the procurement of equipment, in the context of the project to enable the setting up of a CMS.

2 SCOPE OF WORK

Within the scope of the EU-CoE Joint Project, “Improving International Judicial Cooperation in Criminal Matters in Turkey”, the Contractor shall achieve the following results:

Result-1: Required equipment is supplied, installed and configured.

Result-2: Warranty and licenses for the required equipment are provided.

The following sections describe the detailed technical requirements for achieving these results.

3 FEES

The total amount for the deliverables detailed in this document cannot exceed **230,000€** - tenders indicating higher amounts will be entirely and automatically excluded from the tender procedure.

4 LOGISTICS AND TIMING

4.1 Delivery and installation: Location

The equipment supplied within the scope of this project will be delivered to and installed at the MoJ premises in Ankara/Türkiye:

Directorate General for Information Technologies (Bilgi İşlem Genel Müdürlüğü), Ministry of Justice (Adalet Bakanlığı)

Ergazi, Fatih Sultan Mehmet Bulvarı, 1817. Sokak 448/B

06370 Yenimahalle/ ANKARA, TURKIYE

4.2 Deadline for delivery

Project start date will be defined as the Signature of the Contract, and the deadline for delivery will be **60 days from this date**. Due dates of the individual deliveries are given in Article 7 of this document.

5 WORK STREAMS

5.1 General

CMS modules to be developed by MoJ will be among the earliest packages of the envisioned web based new version of UYAP. Therefore for a considerably long period of time, operation environments, libraries, databases and other system software of both versions will reside/run concurrently on the same physical servers. Therefore, memory capacities of the existing 12 (twelve) servers needs to be expanded.

Furthermore, in order to enable development of those modules, an additional server is required. The server will have the following partitions;

- Configuration management system and software/document repository
- Application servers for both development and testing
- Database management system for both development and test databases
- Other utilities



At the end of the development, this server is to be included to the existing server array to improve the overall processing capacity. Therefore, for the sake of the existing virtualisation solution, the new server will have the same configuration with the existing ones.

Finally, MoJ needs additional high capacity laptop computers as well, allowing standalone software development and testing, for software development team, separate test team and backstopping staff.

5.2 Work Stream: Supply, Installation and Configuration of Equipment

In line with the requirements in Section 6.1 of this document, the Contractor shall supply the following equipment, and perform installation and configuration at the UYAP premises of MoJ;

- Memory upgrade for each existing server,
- One server computer with the same brand, model and technical specifications of the existing servers in order to sustain the integrity within the existing virtualisation solution,
- Twenty high capacity laptop computers.

5.3 Work Stream: Warranty and Maintenance

In line with the requirements in Section 6.2 of this document, the Contractor shall provide 3 (three) years warranty and maintenance services, starting from the acceptance date, for the abovementioned equipment.

6 REQUIREMENTS

6.1 Hardware Requirements

6.1.1 The Contractor shall supply 1 (one) server computer with the following or higher specifications;

Dell PowerEdge R7525 Server	
Specifications	Pcs
Freight – PowerEdge	1
SAS/SATA Backplane	1
Trusted Platform Module 2.0 V3	1
16X 2.5 SAS/SATA with XGMI	1
Performance Optimized	1
3200MT/s RDIMMs	1
64GB RDIMM, 3200MT/s, Dual Rank	16
Front PERC Mechanical Parts, rear load	1
Power Saving BIOS Settings	1
HPC BIOS Settings	1
Standard Fan x6	1
C13 to C14, PDU Style, 10 AMP, 10 Feet (3m), Power Cord	2
Riser Config 4, Half Length, 6x8, 2x16 slots	1
PowerEdge R7525 Motherboard, with 2 x 1Gb Onboard LOM,MLK V2	1
PowerEdge 2U Standard Bezel	1
iDRAC,Legacy Password	1
16GB microSDHC/SDXC Card	1
IDSDM Card Reader	1
ReadyRails Sliding Rails	1
Cable Management Arm, 2U	1
Assembly BOSS Blank	1
R7525 Shipping Material	1
PowerEdge R7525 CE,CCC,for 1300W PSU below	1
PowerEdge R7525 Shipping EMEA1 (English/French/German/Spanish/Russian/Hebrew)	1
Enterprise Order - EMEA.	1
Asset Tag - ProSupport (Website, barcode, Onboard MacAddress)	1
Configuration Services, Standard ISG System Report, Deliver Via Email	1
Order Configuration Shipbox Label (Ship Date, Model, Processor Speed, HDD Size, RAM)	1
AMD EPYC 7H12 2.60GHz, 64C/128T, 256M Cache (280W) DDR4-3200	2
Dual, Hot-Plug, Power Supply 1100W Redundant (1+1)	1
960GB SSD SAS ISE Read Intensive 12Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD	2
Broadcom 57414 Dual Port 10/25GbE SFP28, OCP NIC 3.0	1
Broadcom 57416 Dual Port 10GbE BASE-T Adapter, PCIe Low Profile	1
QLogic 2772 Dual Port 32Gb Fibre Channel HBA, PCIe Full Height, V2	2

Dell PowerEdge R7525 Server	
Specifications	Pcs
Heatsink for 2 CPU configuration (CPU greater than or equal to 180W)	1
Dell EMC PowerEdge SFP+ SR Optic 10GbE 850nm	4
Unconfigured RAID	1
PERC H745 Controller, Front	1
Keep Your Hard Drive For Enterprise T3, 36 Months	1
iDRAC9,Enterprise 15G	1
OpenManage Enterprise Advanced	1

- 6.1.2 The Contractor shall supply memory upgrade for the existing server computers with the following specifications;

RDIMM Dell Ram Upgrade	
Specifications	Pcs
64GB - 2RX4 DDR4 RDIMM 3200MHz (Not Compatible with Skylake CPU)	96

- 6.1.3 The Contractor shall supply 20 (twenty) high capacity laptop computers with the following or higher specifications;

High Capacity Laptop Computers	
Specifications	
CPU	12 Gen Intel® Core™ i9-12900H, vPro® (24 MB cache, 14 cores, 28 threads, 2.50 GHz to 5.00 GHz Turbo
MEMORY	32 GB, DDR5, 4800 MHz Memory
DISK	1 TB, M.2 2280, Gen 3 PCIe x4 NVMe, SSD Disk
SCREEN CARD	NVIDIA® RTX™ T600, 4 GB GDDR6
SCREEN	15.6" FHD 1920 x 1080, 60 Hz, 400 nit, non-touch Screen
BATTERY	4 Cell, 64 WHr, Long Life Cycle
WIFI-BLUE TOOTH	Intel® AX211, 2x2 MIMO, 2400 Mbps, 2.4/5/6 GHz, Wi-Fi 6E (WiFi 802.11ax), Bluetooth 5.2
WEIGHT	1.79 kg (including battery), 24,05 mm height
ETHERNET	100/1000 MB RJ45 Ethernet Card
PORTS	2xThunderbolt 4.0 type-c, 2xUSB 3.2 gen 1 type-a USB port , 1xHDMI port, 1xCombo 3.5 mm jack

- 6.1.4 The type of the supplied current in Türkiye is 220 V (mono-phase) and 380 V (three-phase + neutral). The quality and stability of the supplied current may undergo fluctuations of $\pm 10\%$. All hardware must operate on $220\text{ V} \pm 20\text{ V}$, $50\text{ Hz} \pm 0.5\text{ Hz}$ (unless otherwise explicitly stated) power supply and be suitable for direct connection to the standard power outlets in Türkiye. The type of electrical outlets generally installed in Türkiye is the type with 2 (two) side mounted earthing poles (Euro Plug). Electrical plugs of equipment should be compliant with the standards of use in Türkiye and fit exactly. The supplier will evaluate the supplied current, the quality of the current and the fluctuations of the current and take the necessary precautions to avoid damages to the equipment.
- 6.1.5 All supplies must be suitable for operation in the climatic conditions in place of delivery, Ankara, Türkiye. All hardware units must be operable in an office environment with regards to at least the following conditions:
- Operating temperature : Between 10°C and 35°C
 - Relative Humidity: Between 20% and 80% .
- 6.1.6 An operating manual detailing the normal operation of the equipment, actions to be taken in abnormal situations and basic routine maintenance must be provided with each item of equipment. The hardware and software manuals shall be supplied in English and in Turkish (if commercially available) as electronic copy.
- 6.1.7 The Contractor will be responsible for advising of any Health & Safety risks associated with equipment provided and of suitable protective measures.
- 6.1.8 In the specifications offered, the tender must clearly state the manufacturers name and the Country of origin for each items tendered.
- 6.1.9 The Tenderer shall be aware that supply, delivery, installation, integration and final customization must include all needed parts and accessories required for the supplies to be presented for acceptance fully installed, operational and ready for use. The Tenderer shall be aware that accessories, parts and documentations used during delivery, installation, integration and customization before acceptance must therefore be anticipated and included in the offered price.
- 6.1.10 The Tenderer is aware that it shall be the sole responsibility of the Contractor to ensure that all pre-requisites for the completeness of the supply delivery are met before its commencement.
- 6.1.11 All the equipment and machinery shall be provided complete with the necessary accessories and/or parts such as to ensure that the unit (required item) is capable of operating to the required technical and quality specifications. All specifications and details listed within the tender for each item are the minimum requirements and any higher specification cannot be incompatible with primary performance. Any improvements on the specifications or additional features offered should be clearly identified in the Tenderer's offer.



- 6.1.12 All system software delivered must be licensed to the beneficiary that will allow trained personnel of the beneficiary to perform software installation, update/upgrade, repair/debug and/or diagnosis/report activities without supplier assistance in the future.
- 6.1.13 The Tenderer must be aware that:
- The Contractor must provide the necessary measures to prevent any damage during delivery, installation, integration and customization stages. If any damage occurs during delivery, installation, integration and customization stages, it must be appropriately rectified by the Tenderer.
 - The contractor must keep the work site(s) clean and safe against any hazard (e.g. fire, etc.) during delivery, installation, integration and customization stages.
 - All items supplied, including hardware and system software, must be fully operational.
- 6.1.14 The Tenderer shall provide a proof (certificate or confirmation by the manufacturer) that it or its Subcontractor is approved/authorized distributor of the equipment in question.
- 6.1.15 Regarding the system software items, the Contractor shall provide regular software patches and bug fixes during the warranty period, defined in Article 6.2.1 of this document.
- 6.1.16 Items must conform to relevant applicable technical and safety regulations, such as UL, CSA, FCC or EN, and quality standards including any ISO, CE marking, other domestic or relevant regulations and standards that are applicable to each specific item.
- 6.1.17 Installation and put into operation must be performed by contractor or authorized service provider. All the equipment must include all necessary parts (rail kit, cable management arm, mounting kit, etc.), and standards for its installation.
- 6.1.18 High availability configuration for all applicable components must be provided by the Contractor.
- 6.1.19 System components and whole system must be compatible with each other. Any interoperability problems between software and hardware, if applicable, must be resolved by the Contractor at no additional cost to the Contracting Authority.
- 6.1.20 The Contractor shall perform all necessary tests to ensure the operational readiness of the installed equipment, together with the Beneficiary, in order to deliver them in full functionality.
- 6.1.21 Installation shall be conducted under Beneficiary's observation/supervision.
- 6.1.22 The server must be installed to rack cabinets, which will be provided by the Beneficiary. Distance from the rack cabinets to the existing power and data cabinets is 3 (three) meters.
- 6.1.23 The Supplier shall transport, unload, unpack, assemble, install, start-up, and configure the equipment, and also install the necessary data and electrical cabling in order to deliver the equipment in fully operational condition.

6.1.24 Delivery address for the equipment is the MoJ premises in Ankara/Türkiye:

Directorate General for Information Technologies (Bilgi İşlem Genel Müdürlüğü), Ministry of Justice (Adalet Bakanlığı)

Ergazi, Fatih Sultan Mehmet Bulvarı, 1817. Sokak 448/B

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6.1.25 The Beneficiary shall guarantee the Supplier's free entrance to the buildings and relevant room(s) during the installation works. All equipment and software should be installed by the Contractor in coordination with the staff of the Beneficiary.

6.1.26 Obligatory documents for the acceptance:

- Original certificate of origin
- Report of Final test in the factory (quality control certificate), where applicable,
- Documents evidencing the applicable certificates/standards
- Warranty document of the manufacturer and/or the supplier,
- Proof for that the equipment has authorised service in Türkiye.

No acceptance can be pronounced without the presence of the complete set of these documents.

6.2 Warranty and Maintenance Requirements

6.2.1 Warranty period for the hardware and system software components is 3 (three) years from the date of acceptance. In case of reported item malfunction the Contractor would repair or replace the product at no charge. Tenderer must provide a detailed description of the concept and organisation of the proposed service.

6.2.2 For the spare parts of the subject hardware, the Contractor shall commit an obsolescence period of minimum 2 (two) years after the warranty. Together with the contract signature, the Contractor shall submit a letter of commitment for this purpose.

6.2.3 Warranty for all items in this tender must be on "collect and return" basis, i.e. if an item cannot be repaired on site, the Contractor should organize the transport from the beneficiary's premises to the Contractors/manufacturers authorized service location at its own expense, repair/replace it and return it back to the Beneficiary. Failed hard drives are not in this scope, and must be subject to on-site repair/replacement. (Please refer to Articles 6.2.8 and 6.2.9)

6.2.4 The technical offer shall include information of how the warranty will be provided including name of the service organization, contact person(s), postal address, telephone and facsimile number and e-mail address.

6.2.5 The Contractor shall guarantee the proper operation of the supplies. In the event of failure of the supplies' operability during the warranty period, the Contractor shall restore it, and in case of impossibility to do so, shall replace it with equivalent



supplies in terms of the technical characteristics. The replacement shall be performed by the Contractor at its own expense.

- 6.2.6 All repairs, software upgrades and maintenance conducted under the warranty period must be undertaken by service personnel authorised by the relevant manufacturer for these tasks, in the periods, defined by the Beneficiary.
- 6.2.7 Following the receipt of a notification (sent by the Beneficiary) about the failure of the equipment and/or software, the Contractor shall response, troubleshoot the problem and recover the failure not later than the times given in the following table, at its own expense;

Severity		Response	Recovery
1	Critical failure with very high impact; A component of the system which is necessary for running of the whole system turns out to be defective, system is not working.	30 Minutes	12 Hours
2	Major failure with significant impact; System is working with significant functional limitations due to a defective component.	1 Hour	24 Hours
3	Minor failure with low impact; System is working with minor functional limitations due to a defective component.	2 Hours	48 Hours
4	Support for "How to?" questions	48 Hours	-

- 6.2.8 If the reparation of broken equipment/part is not possible, Contractor shall replace that equipment/part with another new, unused equipment/part (same equipment with the equipment replaced), at Contractor's own expense.
- 6.2.9 Beneficiary will retain possession of the broken hard drives, if replaced.
- 6.2.10 Within 20 days after the commencement of the contract, the Contractor shall provide the Beneficiary with the telephone numbers and/or online service links of the authorised services, which are active 7 x 24 basis for notification about the failures and reclamations. (To ensure the prompt elimination of the potential defects, certificates shall be provided to demonstrate availability of the service centres in Türkiye for all the supplied equipment.)

7 LIST OF DELIVERABLES

Below table lists the project deliverables, approval requirements and due dates, where T0 is the Software Development Project commencement date;

No	Delivery	Due Date	Review & Approval
1	Supply, installation and configuration of 1 (one) server computer	60 days following the Software Development Project commencement date	2 week
2	Supply, installation and configuration of 96 (ninety six) memory upgrade for the existing servers	60 days following the Software Development Project commencement date	2 weeks
3	Supply of 20 (twenty) high capacity laptop computers	60 days following the Software Development Project commencement date	2 weeks

8 PUBLICITY AND VISIBILITY

The Contractor shall not use the Council of Europe's name, flag or logo without prior authorisation of the Council of Europe.

The Contracting Authority will provide Contractor with the guidelines concerning additional publicity and visibility requirements of the Project, after the contract signature. The Tenderer shall be aware that neither those requirements nor the guidance will bring additional costs to the Contractor.