EUROPEAN UNION

DELEGATION TO BOSNIA AND HERZEGOVINA

Clarification No. 1

Project Title: **Supply of ICT equipment for Judicial Institutions in Bosnia and Herzegovina**

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Question 1: Lot 1
The Customer has existing Blade Servers and other servers that need to be connected to storage in fault-tolerant configuration.

Answer 1: "Existing Blade servers" are IBM servers integrated in IBM BladeCenter Chassis and "other servers" are IBM servers as well.

Question 2: Lot 1 – item 1.1
The specified storage solution is based on a specific IBM technology. In order to have more proposals and larger choice is it acceptable to offer:
Storage system with Host interfaces: 4x 8Gbps Fibre Channel (FC), and 8x 1Gbps iSCSI host connectivity?
Storage system that has less system cache than specified, but which provides the same or higher performance and capacity?

Answer 2: Based on our knowledge, more than one system or product from different manufacturers can meet the technical requirements.

Bidders are expected to offer the equipment that matches or exceeds the minimal requirements in the Technical Specifications. Therefore, bidders may offer a different hardware platform which matches or exceeds the minimal requirements.

Question 3: Lot 1 – item 1.1
Virtualization: Transparent virtualization of internal and external disks:

Is this an eliminating factor?

Can we offer an external device within the settlement, that would do the above mentioned?

Answer 3: Bidders are expected to offer the equipment that matches or exceeds the minimal requirements in the Technical Specifications. Bidders may offer any devices, systems or products as long as they work as a unified system with the required characteristics.

Question 4: Lot 1 – item 1.1
You have specified "**system** cache: minimum16GB". Can you specify how many controllers are required? How many IOPs do you expect us to include in our offer?

Answer 4: Minimum two active controller with 8 Gb memory cache each with mirrored memory between controllers. IOPS - We can not specify the exact number of IOPS because this type of workload is new and not exactly determined, also IOPS numbers published by storage device manufacturers do not guarantee real-world application performance.

Question 5: Lot 4 – item 4.1

Since the licences of the virtualization solution we intend to offer are calculated by number of physical CPUs we would kindly ask you to provide us with the number of servers that are intended to be used in virtual data centre, as well as the number of CPUs installed in each server, or all of them.

Answer 5: Number of physical servers to be used in the virtual data centre is 6, each with two CPUs. Total number of CPUs is 12.