



EUROPEAN UNION

Delegation of the European Union to Bosnia and Herzegovina

Corrigendum No.2 to the Tender Dossier

Supply of the equipment for the EU support to the Parliaments of Bosnia and Herzegovina in EU Integration Tasks

Publication reference: EuropeAid/139632/DH/SUP/BA; Tender no: EC/BIH/18/011

The Tender Dossier is corrected as follows:

ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Lot 1: Supply and installation of server hardware and system software for Parliaments in BiH

1) Item 1.1 – Virtualization server

a) The requirement: "• Memory min : 128GB(2x64GB) DDR4 2,666 GHz / upgradeable on at least 3TB – total of 24 RAM slots"

now reads:

"• Memory min: 128GB DDR4 2,666 GHz / upgradeable on at least 3TB – total of 24 RAM slots"

b) The requirement: "• 1x min 120GB SSD installed as boot device for hypervisor"

now reads:

"• Installed SSD or SD Card as boot device for hypervisor, capacity of SD Card or SSD to be sufficient for hypervisor offered in Item 1.17"

2) Item 1.2 - Primary storage subsystem

a) The requirement: "• Cache memory: min. 16GB"

now reads:

"• Cache memory: min. 64GB"

b) The requirement: "• Storage Protocols: min. FCP, iSCSI, NFS, CIFS"

now reads:

"• Storage Protocols: min. FCP, iSCSI, NFS, CIFS or SMB file access protocol"

3) Item 1.4 - SERVER RACK 24U

The requirement: "• Symmetrical cabinet WxDxH = 600x1100x1200mm +/-5%"

now reads:

"• Symmetrical cabinet WxDxH = 600x1100x1200mm +/-10%"

4) **Item 1.6 - Backup storage subsystem**

a) The requirement: "• Cache memory: min. 16GB" now reads:

"• Cache memory: min. 64GB"

b) The requirement: "• Storage Protocols: min. FCP, iSCSI, NFS, CIFS"

now reads:

"• Storage Protocols: min. FCP, iSCSI, NFS, CIFS or SMB file access protocol"

5) **Item 1.7 - Backup software for 4 processors**

The requirement: "• Support for protecting Platform-virtualization software from Item 7 for agentless backup with Changed Block Tracking mechanism"

now reads:

"• Support for protecting Platform-virtualization software from Item 1.17 for agentless backup with Changed Block Tracking mechanism"

6) **Item 1.8 - Firewall**

a) In the requirement: "• OS Features:" the following point:

"Endpoint Network Access Control (NAC)" is deleted.

b) In the requirement: "• OS Features:" the following requirement is added:

"SSD storage for events logging with minimum capacity 120 GB"

7) **Item 1.9 - Web Application Firewall**

In the requirement: "• Technical specification:" the following point:

"• Delivered as virtual machine for virtualization platform from Item 15"

now reads:

"• Delivered as virtual machine for virtualization platform from Item 1.17"

8) **Item 1.10 - E-mail security appliance**

The Item 1.10 now reads:

- " • E-mail protection for all incoming and outgoing mails
- Requested number of users for E-mail security appliance is 250 or if sizing is done by number of messages per hours, system should support 10.000 messages per hour
- Spam blocking
- Phishing detection and blocking
- Graymail detection and unsubscribe
- Advanced malware protection
- Outbreak filters
- Rack mount 1 – 2U
- 2-port 1GBASE-T copper network interface (NIC), RJ-45
- Warranty: 1 year including technical support
- Miscellaneous: Installed software must include all needed licenses for 1 year"

9) **Item 1.11 - Web security appliance**

The Item 1.11 now reads:

- "• URL Filtering and dynamic content analysis
- Requested number of users for Web security appliance is 250
- Advanced Malware protection
- Application visibility and control
- Data loss prevention
- Roaming user protection
- Rack mount 1 – 2U
- 2 port 1G Base-T copper network interface (NICs), RJ – 45
- Warranty: 1 year including technical support
- Miscellaneous: Installed software must include all needed licenses for 1 year"

10) **Item 1.13 - Layer 2 Access switch 48 ports**

a) The requirement:

- "• min of 48 RJ-45 autosensing 10/100/100 PoE+ ports and 4 SFP+ 1/10Gbe ports"

now reads:

- "• min of 48 RJ-45 autosensing 10/100/1000 PoE+ ports and 4 SFP+ 1/10Gbe ports"

b) The requirement:

- "• Layer 2 switching: jumbo packet support, IEEE 802.1v protocol VLANs, GVRP and MVRP, VLAN support and tagging"

now reads:

- "• Layer 2 switching: jumbo packet support, IEEE 802.1v protocol VLANs, GVRP or IEEE 802.1Q protocol or equivalent and MVRP, VLAN support and tagging"

11) **Item 1.14 - Wireless Access system with 8 Access points with management Appliance users and guests**

a) Title of the item "Wireless Access system with 8 Access points with management Appliance users and guests with following specifications:"

now reads:

"Wireless Access system with 8 Access points with management Appliance users and guests or equivalent Virtual Management Appliance"

b) The requirement: "• Built-in Bluetooth for ibeacon or Bluetooth ibeacons delivered separately"

now reads:

"• Built-in Bluetooth for ibeacon (or equivalent) or Bluetooth ibeacons (or equivalent) delivered separately"

12) **Item 1.15 - UPS**

In the requirement: "• Technical specification:" the following point:

- "• Input voltage range for main operations 175 - 280V"

now reads:

- "• Input voltage range for main operations 175 - 280V +/- 5%"

13) Item 1.16 - Server Operating system

The following text is added to the requirement:

"• It is required to offer sufficient licencing to support (per 1 site):

- Operating system for 4 virtual machines to be installed on item 1.1 Virtualization server. Proper licencing according to offered CPU must be in place with rights for virtual machine live migration from one virtualization server to another.
- Operating system for 1 physical backup server (Item 1.5). Proper licencing according to offered CPU must be in place.

Total number of sites is 3 (three).

Total number of required client access licences per user for all sites is 560 (five hundred and sixty). Clients access licenses will be divided according to tender specification for site installation"

14) Item 1.18 - Endpoint Protection Bundle for protecting internal workstations and mobile devices with modules

In the requirement: "• Web gateway:" the following point:

"Delivered as Virtual appliance for Item 15"

now reads:

"Delivered as Virtual appliance for Item 1.17"

Lot 2: Supply and installation of client hardware (HW) for Parliaments in BiH

15) Item 2.2 – Mini desktop PC with Display

The requirement: "• Display Connectivity: 1x Display port, 1xDVI-D, 1x D-SUB as needed to be connected to PC"

now reads:

"Display Connectivity: Display port **or** 1xDVI-D **or** D-SUB as needed to be connected to PC"

Lot 3: Supply and installation of conference room equipment for Assembly of Brčko District

16) Item 3.3 - Microphone for delegate conference unit, labium neck

The requirement: "- Microphone length, minimum: 50cm"

now reads:

"- Microphone length, minimum: 45cm"

17) Item 3.15 - Microphone for delegate conference unit, labium neck

The requirement: "- Microphone length, minimum: 50cm"

now reads:

"- Microphone length, minimum: 45cm"

18) The details on distribution of the items among the sites are given in the following table:

Nr	Description	PSBiH	PFBiH	NSRS	SBD
1	Layer 2 Access switch 48 ports	30	12	4	2
2	Layer 3 Core Switch		1	1	1
3	Wireless Access system with 8 access points		1		1
4	WAF - Web Application Firewall	1	1	1	1
5	Firewall	2	2	2	2
6	E-mail security appliance	1			
7	Web security appliance	1			
6	Server, Rack, 128 GB RAM, 2 CPU, 8-Core, SSD 128 GB		2	2	2
7	SERVER RACK 24U				1
8	Primary storage subsystem	1	1	1	1
9	Storage Area Networks FC Switch		2	2	2
10	Backup Server, Backup Storage, Backup Software		1	1	1
11	Virtualization software licences		1	1	1
12	Server operating system (number of servers / number of users)		4/200	4/280	4/80
13	Antivirus Server system with email and web protection		160	220	80
10	UPS 3-6 kVA		1	1	1
11	Conferencing system with 40 delegate units				1
12	Note book računar (i5, RAM 8GB, SSD 256 GB, 15.6", Windows 10 OS, Full HD)	70	160	110	46
14	PC desktop	50	60	50	
15	Document scanner	2	2	2	1

Revised ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER for LOT 1, Lot 2 and LOT 3 are annexed to this Corrigendum and must be used in the preparation of the technical offer.

This change applies to the whole tender dossier. All other terms and conditions of the Tender Dossier as amended by the Corrigendum No.1 remain unchanged. The above alterations and /or corrections to the Tender Dossier are integral part of the Tender Dossier.