

TO: ALL BIDDERS FROM: Sally Alvarez de Schreiner
Chief, Procurement Services Section

DATE: 7 March 2023 REF.: ITB No. 2023-0002/THORVALDSDOTTIR


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SUBJECT: Clarification No.1 to ITB No. 2023-0002/THORVALDSDOTTIR
"Provision of Amazon EKS Anywhere on Bare Metal Servers and Support Services".

Dear Bidders,

Please find attached Clarification No. 1 to queries raised by potential bidders in respect to ITB No. 2023-0002/THORVALDSDOTTIR "*Provision of Amazon EKS Anywhere on Bare Metal Servers and Support Services*".

Please take this response, including the amended Technical Specifications, into account in the preparation and submission of your bid.

We are looking forward to receiving your Proposal prior to the closing date on 20 March 2023, 17:00h Vienna (Austria) local time.

Kind regards



Sally Alvarez de Schreiner
Chief, Procurement Services Section

Attachments:

- *Questions and Answers – Clarifications No. 1*
- *Terms of References – Rev. 06 March 2023*

ITB No. 2023-0002/THORVALDSDOTTIR

Provision of Amazon EKS Anywhere on Bare Metal Servers and Support Services

Clarifications No. 1

Questions from Bidders	Answers from the Commission
<p><u>Question 1</u></p> <p>We refer to Sections 2.1.1 and 2.1.2 of the Technical Specifications: List of Mandatory Items 1 and 2.</p> <p>We have a confirmation from the manufacturer that the listed drive type is no longer shipping and is in EOL status. Is it possible to propose/supply a newer type of the SSD instead, namely Thingsystem 2.5” Nytro 3750 800 GB Write Intensive SAS 12Gb HS SSD?</p>	<p><u>Answer 1</u></p> <p>The Technical Specifications have been amended to include also the Thinksystem 2.5” Nytro 3750 800 GB Write Intensive SAS 12Gb HS SSD. Please find attached the amended Technical Specifications.</p>

ANNEX C

TECHNICAL SPECIFICATIONS

For the Provision of Amazon EKS Anywhere on Bare Metal Servers and Support Services

AMENDMENT (Rev. 6 March 2023)

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1. INTRODUCTION

The Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (hereinafter referred to as the “Commission”) is the international organization setting up the global verification system foreseen under the Comprehensive Nuclear-Test-Ban Treaty (hereinafter referred to as the “Treaty”), which is the Treaty banning any nuclear weapon test explosion or any other nuclear explosion. The Treaty provides for a global verification regime, including a network of stations worldwide, a communications system, an International Data Centre (IDC), and on-site inspections to monitor compliance. More information can be found under www.ctbto.org

The number of the Commission’s projects which are using container-based packaging and deployments are rapidly growing. The currently used, stand-alone docker-based container platform is reaching its limits in terms of functionality and manageability.

To support more complex container-based workloads, the Commission intends to implement container orchestration platforms, based on Amazon EKS Anywhere Bare Metal (EKS-A BM), (hereinafter referred to as the “Services” and/or the “Support Services” and/or the “Equipment” and/or the “Contract”).

2. SCOPE OF WORK

The Commission seeks to engage a Contractor to supply, deliver, install, and support servers for EKS-A-BM control plane and worker nodes to be used in the Commission’s container orchestration platform under the Contract:

1. Eight (8) Servers for EKS-A BM control plane nodes
2. Eight (8) Servers for EKS-A BM worker nodes

2.1 HARDWARE

The servers and all parts shall be compatible with Amazon EKS-A BM. The Commission is standardized to Lenovo hardware and therefore only Lenovo products should be proposed.

2.1.1 Item 1 (MANDATORY)

The Contractor shall provide eight (8) servers with the configuration below to be used as EKS-A BM control plane nodes:

Qty	Description
1	Lenovo ThinkSystem SR650 V2
1	Intel Xeon Gold 5317 12C 150W 3.0GHz Processor

Qty	Description
8	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM, performance memory configuration mandatory
1	ThinkSystem RAID 940-8i 4GB Flash PCIe Gen4 12Gb Adapter
2	ThinkSystem 2.5" Nytro 3732 800GB Performance SAS 12Gb Hot Swap SSD – Or Thinksystem 2.5" Nytro 3750 800 GB Write Intensive SAS 12Gb HS SSD
2	ThinkSystem Intel X710-T2L 10GBASE-T 2-port OCP Ethernet Adapter
1	License (if required) to access remote console and storage redirection features (XClarity Controller Enterprise)
2	ThinkSystem V2 750W(230V/115V) Platinum Hot-Swap Power Supply v2
1	Rail kit, cable management arm and a set of power cables (IEC-60320 C13/C14 connectors, no Y-cables)

2.1.2 Item 2 (MANDATORY)

The Contractor shall provide eight (8) servers with the configuration below to be used as EKS-A BM worker nodes:

Qty	Description
1	Lenovo ThinkSystem SR650 V2
2	Intel Xeon Gold 6348 28C 235W 2.6GHz Processor
16	ThinkSystem 16GB TruDDR4 3200 MHz (2Rx8 1.2V) RDIMM, performance memory configuration mandatory
1	ThinkSystem RAID 940-8i 4GB Flash PCIe Gen4 12Gb Adapter
2	ThinkSystem 2.5" Nytro 3732 800GB Performance SAS 12Gb Hot Swap SSD Or Thinksystem 2.5" Nytro 3750 800 GB Write Intensive SAS 12Gb HS SSD
2	ThinkSystem Intel X710-T2L 10GBASE-T 2-port OCP Ethernet Adapter
1	License (if required) to access remote console and storage redirection features (XClarity Controller Enterprise)
2	ThinkSystem V2 750W(230V/115V) Platinum Hot-Swap Power Supply v2
1	Rail kit, cable management arm and a set of power cables (IEC-60320 C13/C14 connectors, no Y-cables!)

2.1.3 Further Mandatory Requirements for all Hardware Items:

- All operating system disks shall be pre-configured as RAID 1 for all server systems.
- BIOS, UEFI and IMM settings shall be pre-configured according to the Commission's requirements. A detailed settings sheet shall be provided by the Commission, during the kick-off meeting/workshop with the awarded Bidder.
- The servers shall be configured with performance memory configuration.
- All system ids (Serial numbers, MAC addresses of all physical network ports, WWPN addresses of FC HBAs) shall be documented into a spreadsheet, an empty template spreadsheet shall be provided by the Commission, during the kick-off meeting/workshop with the awarded Bidder.
- The license for KVM graphical redirection (XCC Enterprise) shall be activated and installed.
- The latest firmware (available at the time of installation in the Commission's Computer Center) for all parts, including, but not limited, to BIOS/UEFI, XCC, NICs, FC HBAs, RAID controller, hard disks, etc., shall be installed on all servers.

2.2 SERVICES (MANDATORY)

2.2.1 Delivery and Installation of Hardware

Delivery shall be arranged for DAP (delivery-at-place, INCOTERM 2020) door-to-door to the Commission's Computer Centre in the Vienna International Centre, Vienna, Austria (specific room details will be provided at the time of delivery arrangements). Delivery vehicles shall be equipped with lifting tailgate. All Equipment shall be unboxed outside the computer room. No packing material is allowed inside the computer room. Empty packing material shall be disposed off by the Contractor.

All servers shall be delivered fully assembled. All ordered Equipment shall be installed at the Commission's Computer Centre in the Vienna International Centre (specific room details will be provided prior to installation).

The Contractor shall test, after the completion of the installation, the functionality of all Equipment to the satisfaction of the Commission

2.2.2 Hardware and Software Support

For each of the items specified under Section 2.1 above, the Contractor shall provide Support Services as per Section 5 below for the duration of five (5) years starting from the Commission's acceptance of the Equipment as specified in these Technical Specifications.

The Contractor shall provide and maintain a single point of contact (including telephone "hotline" number) for support requests for all offered Equipment. On-site hardware support services shall be available to the Commission 24 hours, seven (7) days a week in accordance with the service levels defined in Section 5.

The Support Services shall allow the Commission to open cases directly with the manufacturer if it so desires and at its sole discretion.

All communications with respect to the Services such as support and maintenance issues shall be conducted in the English language.

3. OPTIONS

The Commission reserves the right to procure additional equipment items indicated in [Section 2.1](#), any or all, within one (1) year from the Commission's acceptance of the Equipment specified in these Technical Specifications under the same terms and conditions as agreed to under the Purchase Order, including the related mandatory services for those items as specified in Section 2.1.

4. CONTRACTOR'S REQUIREMENTS

- a) The Contractor shall be a certified reseller and support partner of the equipment manufacturer at the "Premium" level or higher. This certification shall be maintained through the entire duration of the services, throughout which the Contractor shall provide evidence of valid certification, if requested by the Commission.
- b) The Contractor must have a minimum of 3 years as registered authorized provider of the required Goods/Services.

5. SERVICE LEVEL SPECIFICATIONS

5.1 Service level Requirements

The service level for the servers indicated in Section 2.1 and the Mandatory Services indicated in Section 2.2 shall meet the following standard manufacturer's maintenance plans (for 5 years):

- Premier Support
- 24x7 Two (2) Hours' Response Time
- Onsite Tech. Dispatch for Parts and Labor
- Includes YourDrive YourData, which includes hard drives designed to operate in hard drive bays, solid state drives designed to operate in hard drive bays, Flash I/O drives as add-on cards. YDYD included for server, optional for storage
- Extended coverage up to five (5) years
- 1- and 2-year Post Warranty Options

5.2 Parts

Quality: Maintenance parts shall be manufactured by the original equipment manufacturer; they may not have been altered by the Bidder and shall be new.

Shipping: The Contractor agrees to utilize the most effective method necessary to obtain parts within the duration of the contracted services. Costs for shipping parts shall be the responsibility of the Contractor, based on DAP Vienna, Austria Incoterms 2020.

5.3 Location

Geographic Location: The Contractor shall provide any required on-site Services at the Commission's premises in the Vienna International Centre, Vienna, Austria.