



**SRI LANKA EXPORT DEVELOPMENT BOARD
(EDB)**

**Supply of 02 nos. Server Machines,
Virtualization Software, a UPS System and a
Laptop Computer to the
National Organic Control Unit (NOCU) of EDB**

Bid No: EDB/2023/NOCU/002

Client

Sri Lanka Export Development Board,
No. 42 Nawam Mawatha,
Colombo 02

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Purpose of this Bid

This project of “Supply of 02 nos. Server Machines, Virtualization Software, a UPS System and a Laptop Computer” to the Sri Lanka Export Development Board (EDB) aims to address the need of expand its IT infrastructure to provision of webhosting services to proposed websites of the National Organic Control Unit (NOCU). (NOCU has been established under the Export Development Board (EDB) as per the regulations published under section 29 of the Export Development Act No. 40 of 1979 in the extraordinary gazette no. 1870/71 dated July 11, 2014)

The bidder's quoted item/s should be the most recent models of the quoted solution/s backed by extended support of the respective OEM supplier/s.

Site Location

All the goods and services should be delivered to the following location;

Sri Lanka Export Development Board,
No. 42, Level 07,
NDB/EDB Tower, Nawam Mawatha,
Colombo-02,

General Requirements

- a) Bidder could submit quotes for all items or preferred items of: "02 nos. Server Machines", "Virtualization Software", "a UPS System, a Laptop Computer".
- b) The bidder shall submit only one quotation per item. Multiple quotations per item is not allowed.
- c) The specifications given under the “Technical Specifications” sections are the minimum that must be satisfied.
- d) Bidder should be an Original Equipment Manufacturer (OEM) or an Authorized Partner of the Principal manufacturer for the quoted item/s. A letter of Authorization from the OEM, specific to the quotation must be enclosed for each quoted item.
- e) The Bidder should have professionals qualified on providing solutions/services they propose against this quotation. Proof of the same must be enclosed.
- f) The bidder must enclose details of the recently executed similar projects of each quoted item for at least five enterprises such as Government entity/Private entity/Educational Institute/University etc. during the last five years as a proof ability & capability of the bidder.

- g) Technical Documentation [Product Brochures, leaflets, manuals etc.] from the OEM should be submitted for each quoted item as an authentic documentation proof of the technical information provided by the vendor.
- h) All costs should be given in Figures and Words in Sri Lankan Rupees (otherwise applicable conversion rates should be specified).
- i) Govt. Levies if any, should be indicated separately giving the gross price, discounts (if any), govt. duties and taxes etc.,
- j) Bids should be valid for a minimum period of 66 days after the closing date.
- k) Installation and configuration works might need to be carried out in a manner of minimal disturbance to the existing operations of the organization.

Submission of Proposals

The bidder shall study the entire document and must comply with all the terms and conditions.

The bid must be submitted in an organized and structured manner including each of the following documents.

Documents to be submitted with the Bid

Following documents are mandatory and must be submitted.

- a) Company Profile & business registration details
- b) An Authorization Letter obtained from the OEM for each quoted item specific to this quotation. Originals should be provided.
- c) Duly filled "Technical Specifications" sections of this document related to each quoted item.
- d) Technical Documentation [Product Brochures, leaflets, manuals etc.] from the OEM.
- e) Details of the qualified professionals on providing solutions/services proposed against this quotation.
- f) Details of successfully executed similar solutions during the last five years.
- g) Warranty details, after-sales-service details with response time, resolution time etc.
- h) Contact information for the technical helpdesk, the assigned technical personnel, and the assigned account manager/s.
- i) Delivery schedule.
- j) Price schedule with the cost of the solution, cost of the transportation/installation/configuration, applicable government taxes etc.

Evaluation of Bids

All bids will be evaluated and compared on the basis of the following order.

- a) Completeness & consistency of the documents submitted with the Bid.
- b) Compliance with the “General Requirements” of the bid.
- c) Conformity to the “Technical Specifications”.
- d) Guarantee/ Warranty, expiry periods offered.
- e) After Sales Services, technical support services that have been offered during the warranty and post warranty periods.
- f) Proof of ability, capability of the technical staff.
- g) Past experience.
- h) Delivery Period.
- i) Price.

Neither the lowest priced bids, nor any bids, will necessarily be selected by the EDB as the Preferred bid(s).

Terms & Conditions

- a) EDB reserves the right to reject any or all bids without specifying any reasons thereof.
- b) Incomplete bids are liable to be rejected.
- c) EDB shall not pay any costs incurred towards preparation and submission of the bid or any other expenditure in this regard.
- d) Unsigned bids and/or unattested corrections by bidders are also liable for rejection.
- e) Bids not adhering to the specifications will be out rightly rejected.
- f) Conditional bids will be summarily rejected.
- g) Delivery of the goods and services should be within 4 weeks from the date of receipt of the order for supply.
- h) In case of delay or vendor is failed to supply the selected items as per the agreement to be signed with EDB, EDB has the right to cancel the order and any advance payments made to the vendor will be recovered from the bank guarantee.
- i) Rates once submitted cannot be changed & should be valid for at least 30 days from the date of closing bids.

Technical Specifications

1. Technical Specifications of the Server Machines

Quantity Required: 02

Specification	Minimum Specification	Bidder's Response
Server Brand	<Should be specified>	
Server Model	<Should be specified>	
Year of Model Released	<Should be specified>	
Country of origin	<Should be specified>	
Country of Manufacture	<Should be specified>	
Product Brochures	<Should be attached>	
Chassis		
Server Form Factor	Rack 1U or 2U	
Internal Hard Drive Bays	08 SFF or higher 2.5in SAS HDD support	
Bezel	Standard Bezel	
Rack Mount Kit	Sliding Rack Rails with cable Management Arm for 4-post Rack	
Processor		
Processor Type	Intel Xeon Silver processor, 2.2GHz, 10C/20T, 9.6GT/s, 12M Cache, Turbo, HT (85W) DDR4-2400 or Substantial equivalence or better processor	
Processor number	<Should be specified>	
Processor Base Frequency	2.2 GHz or better	
Processor Cores	10 Cores/ 20 Threads or better	
Processor cache	12M or better	
Processor TDP	85W or less	
No. of Installed Processors	01	
Main Memory		
Memory Type	DDR4 ECC or better	
Memory Speed	2400MHz or better	
Memory Module Capacity	16 GB RDIMM, 3200MT/s, Dual Rank or better	
Number of Memory Modules	04	
Tot installed Memory Capacity	64 GB (16GB x 4)	
Memory Configuration	Performance Optimized	
Storage Controller		
RAID Controller Model & No	<Should be specified>	
RAID Support	RAID 0/1/1+0/5/5+0	
RAID Configuration	RAID 5	
RAID Cache	2GB NV Cache or better	
Hard Drives		
Hard Drive Class & Workload Support	Enterprise class, High Workload, Mission-critical highest reliability SAS SFF hard drive offerings at a 1.6 million hours MTBF or better	

Hard Drive Type	10K RPM SAS 12Gbps 2.5in SAS SFF Hot-plug Hard Drive	
Hard Drive Model No	<Should be specified>	
Hard Drive Capacity	1.2TB	
Number of Hard Drives	05 nos. (1.2TB x 05 disks)	
RAID Configuration	01 x RAID 5 Array	
Boot Optimized Storage Cards for OS Boot Device		
Type & Capacity	Controller card with 2 x M.2 240G Sticks in RAID 1 configuration	
Other Accessories		
Optical Drive	Internal DVD-ROM, SATA	
Network Adaptor (on-board)	04 port x 1 Gigabit RJ-42 adaptor or better	
Network Card (additional)	02 port x 1 Gigabit RJ-42 card or better	
VGA ports	15-pin VGA port and/or HDMI Port (rear) (VGA preferred)	
Cooling Fans	05 x or higher Redundant Cooling Fans Installed	
Power Supplies	Dual Hot Plug 495W or better redundant Power Supplies with the Extended Power Performance (EPP) (220/240V, 50/60Hz)	
Power Supply Configuration	Hot spare Enabled	
Power Cables	02 x 3m power cables with 13A Square Pin plug tops (BS 1363)	
USB Ports	01 x or higher USB 2.0 or 3.0 Ports (front)	
	01 x or higher USB 2.0 or 3.0 Ports (rear)	
	01 x or higher USB 2.0 or 3.0 Ports (internal)	
PCIe Expansion Slots	02 x or higher PCIe slots	
Other Requirements		
BIOS and Advanced System Configuration Settings	Performance BIOS Setting with Virtualization enabled	
Operating Systems and Virtualization Software Support (64bit)	VMware ESX/ESXi	
	Microsoft ©Windows © 2019 & 2022 Servers	
	Red Hat ©Enterprise Linux	
Working Ambient Operating Temperature Support	Supports Ambient operating Temperature up to 35°C or higher	
Warranty & OEM Tech Care Support (Quote for both options)	<p>Option 1 3/3/3 - Server Warranty (Three years of parts, Three years of labor, Three years of Next Business Day onsite support coverage)</p> <p>Option 2 5/5/5 - Server Warranty (Five years of parts, Five years of labor, Five years of Next Business Day onsite support coverage)</p>	
Gross Unit Price with 03-year warranty & OEM Tech Care Support	(Option 1) - Specify	
Gross Unit Price with 05-year warranty & OEM Tech Care Support	(Option 2) - Specify	
VAT & Other applicable Govt. Taxes	Specify	
Total Net Unit Price with 03-year warranty & OEM Tech Care Support	(Option 1) - Specify	
Total Net Unit Price with 05-year warranty & OEM Tech Care Support	(Option 2) - Specify	

2. Technical Specifications of the Server Virtualization Software

Quantity Required: 01 x VMware vSphere Essentials Kit

Specification	Minimum Requirement	Bidder's Response
Virtualization Software Product	VMware vSphere Essentials Kit	
License Entitlement	- 6 CPU licenses of vSphere Essentials (for up to 3 servers with up to 2 processors each) - 1 license for vCenter Server Essentials	
Features	ESXi	
Version	Latest available version <Version should be specified>	
Support Subscription Period	Option 1 1-year cover for updates and new releases of vSphere Essentials Option 2 3-year cover for updates and new releases of vSphere Essentials	
Gross product Price with 01-year Support Subscription	(Option 1) - Specify	
Gross product Price with 03-year Support Subscription	(Option 1) - Specify	
VAT & Other applicable Govt. Taxes	Specify	
Total Net Product Price with 01-year Support Subscription	(Option 1) - Specify	
Total Net Product Price with 03-year Support Subscription	(Option 2) - Specify	

3. Technical Specifications of the UPS System

Quantity Required: 01

Specification	Minimum Requirement	Bidder's Response
Brand	<Should be specified>	
Model	<Should be specified>	
Model Number	<Should be specified>	
Product Brochure	<Should be attached>	
Country of origin and Manufacture	<Should be specified>	
Form Factor	Tower	
UPS Type	On-Line	
Output Power Capacity	3KVA	
Conversion Technology	High frequency, true dual conversion on-line technology	
Power conditioning	Protects loads from surges, spikes, lightning, and other power disturbances	
Mode of Operation	Selectable high efficiency mode of operation	
Efficiency at Full Load	Over 90%	

Output power factor	>= 0.9	
Nominal Output	230V AC, 50Hz, True Sine wave output	
Output Voltage Distortion	Less than 3% at full linear load	
Output Connections	4 x British BS1363 sockets or higher	
Input Connection	British BS1363A cord (2 meters)	
Input Power Specification	110-300V AC Single Phase, 45-55Hz	
Battery Type	Maintenance-free sealed Lead-Acid batteries with suspended electrolyte: leak proof	
Battery Capacity	12V 9AH or higher	
No. of batteries	6 or higher	
Typical Battery Life	over 02 Years in continuous usage	
Typical Backup Time @Full Load	>= 5 min	
Typical Backup Time @Half Load	>= 30 min	
External Battery Module/s support (Should be quoted separately)	Make & Model nos.	
	Should be supported with the quoted UPS model	
	Capacity of a Battery	
	No. of batteries in the module	
Functional Specifications	Total battery capacity of the External Battery Module	
	AVR to Stabilize input voltage (110-300V)	
	Start UPS without AC power supplied	
	Cold Start support	
	Automatic restart of loads upon the return of utility power	
	Intelligent battery management	
	Smart battery charger design to optimize battery performance	
	Three stage charging mode for extended battery life	
LCD status panel		
Warranty for the UPS	02 years or higher Parts and Labour Onsite comprehensive warranty	
Warranty for the Batteries	One Year or higher	
Gross Unit Price with 02-year Warranty Support	Specify	
VAT & Other applicable Govt. Taxes	Specify	
Total Net unit Price with 02-year Warranty Support	Specify	

4. Technical Specifications of the Laptop Computer

Quantity Required: 01

Specification		Minimum Requirement	Bidder's Response
Make/Model/ Product Code		<should be specified>	
Year of model released		<should be specified>	
Country of Manufacture		<should be specified>	
Installed OS	OS	Microsoft ©Windows 11 64bit with factory installed Genuine OEM License	
	Assurance	It should be possible to verify installed OS online through the asset database of the OEM. Note: Vendor shall be legally responsible if any falsified OS is cited.	
CPU	Type	Intel Core i3 12 th Gen. or better processor	
	Base Clock speed	3.0 GHz or better	
	L3 cache memory	6 MB or better	
	Cores	2 Cores - 4 Threads or higher	
	Processor Number	<should be specified>	
Main Memory	Type	8GB, 8Gx1, DDR4, or better	
	Capacity	8 GB or higher	
	Speed	2400MHz or higher	
Display	LED	15.6" FHD Anti-glare LED Backlight Non-touch Narrow Border WVA Ultra slim Anti-Glare LED Backlit IPS-level Display Panel	
	LED Resolution	Full HD (1920 x 1080)	
	Graphics	Dual display support with external HDMI port	
Sound	Speakers	Built-in internal stereo speakers (2x 2.5W)	
	Output	1 or 2 x Headphone/microphone jack (3.5 mm combo)	
Communication	Wireless LAN	IEEE 802.11ax-and IEEE802.11bgn compliant	
	Wired LAN	1000 BASE-T/100BASE-TX/10BASE-T RJ-45	
	Bluetooth	Bluetooth Ver.5 or better	
Storage	HDD	512GB M.2 PCIe Solid State Drive (SSD)	
	Optical Drive	Not required	
Input devices	Keyboard	English Chiclet keyboard	
	Pointing devices	Touch pad with integrated click buttons and multi-touch/ gesture-enabled precision and 3215 X 2429 or better Resolution	
	Web camera	HD resolution (720P) (1280X720) @30fps or better webcam	
	Microphone	Built-in microphone	
Interfaces	USB Type A	1 or 2 x USB 2.0 and 1 or 2 x USB 3.1 Gen 1	
	USB Type C	1x USB Type C Port is preferred	

	External Display support	HDMI port	
	Memory card slot (optional)	1x (SD, SDHC, SDXC) memory card slot × 1	
Power sources	Power Adaptor	AC 100 to 240 V 50/60 Hz, 65W or better universal power adaptor	
	Battery Capacity	Over 35 Whr Specify the capacity in Whr	
	Battery Life	Over 5 hours Battery life in normal usage	
Main accessories	Carry-in case	High quality OEM backpack	
	AC adapter	OEM AC power adapter with square pin plug top	
Comprehensive Warranty & Support	Battery and Adaptor	01 year or higher	
	All other Hardware Parts	02 years or higher	
	Service warranty	03 years or higher	
Maintenance & Service Agreements		<should be specified>	
Gross Unit Price		<should be specified>	
VAT & Other applicable Govt. Taxes		<should be specified>	
Net Unit Price		<should be specified>	

EoD.