



INFORMATION FOR BIDDERS

Bid Announcement Ref: TENDER/AS/2019/001

Bid Number: TEN/AD/2019/001

Bid Submission Date: 31/03/2019 1000hrs

Bid Submission Address: AASANDHA CO. LTD.

FEN BUILDING, 3RD FLOOR,
AMEENEE MAGU, MALE'

Aasandha Co. Ltd. is seeking bids for the following items; interested bidders are invited to submit their bids for supply of the items as instructed in this document. Please ensure that all bids comply with the instructions, failure to comply with the instructions may result in disqualification of bid.

Section I (SAN Storage and HPE Disk Drives)

- Maximum Delivery Time: 45 Days for this section, delivery timeline over this will be disqualified.

1. SAN Storage			Yes/No - Proposed solution including part numbers.
1.1	Storage	<p>HPE MSA 2052 SAN Storage</p> <p>The storage array should support dual, redundant, hot-pluggable, active-active array controllers for high performance and reliability.</p>	
1.2	Drive Capacity and Types	<p>The Storage Array system configuration:</p> <ul style="list-style-type: none"> • 6 Nos x 800 GB 12G SAS Mixed Use (2.5in) SSD • 18 Nos x 2.4TB 12G SAS 10K SFF Enterprise 512e HDD 	
1.3	Scalability	<p>Storage subsystem shall support SFF and LFF drives with the addition of required disk enclosures.</p> <p>Supported Drive Types:</p> <ul style="list-style-type: none"> • SFF SSDs Mixed Use: 400GB, 800GB, 1.6TB, 3.2TB • SFF SSDs Read Intensive: 960GB, 1.92TB • SFF HDDs 15K: 600GB, 900GB • SFF HDDs 10K: 600GB, 1.2TB, 1.8TB, 2.4TB <p>LFF HDDs 7.2K: 4TB, 6TB, 8TB, 10TB, 12TB</p> <p>Storage shall be scalable to minimum 1152TB raw capacity per array.</p>	
1.4	Front-end Ports	<p>Offered storage shall have flexibility to use all below ports either as FC or iSCSI by replacing the requisite SFP.</p> <p>FC host connectivity: 16Gb</p> <p>iSCSI host connectivity: 10Gbl</p> <p>Number of host ports per array: 8</p> <p>Vendors shall provide the additional SFP accordingly</p> <p>Minimum 3 Meter cable with the required transceivers for FC and iSCSI connectivity should be included.</p>	
1.5	Architecture	<p>Offered Storage Array shall be configurable in a No Single Point of failure including Array Controller card, Cache memory, FAN, Power supply etc.</p>	

1.6	Cache	System Array Cache: 16GB (8GB cache per controller) Offered Storage Array shall be supplied with minimum 2 x 800GB SSD drive for caching. Offered Storage shall support at-least 8TB of Flash cache.	
1.7	Raid Support	Offered Storage Subsystem shall support Raid 0, 1, 1+0, 5 and Raid 6	
1.9	Point in time and clone copy	Offered Storage array shall be configured with array-based Snapshot and clone functionality and shall be configured for minimum of 512 snapshot licenses.	
1.8	Replication	Offered storage subsystem shall include storage based replication to the existing HPE MSA 2052 SAN using HPE MSA remote snaps for remote replication.	
1.9	Data Tiering	Performance Tiering and Archive Tiering Software. If licensing is required, it should be included.	
1.10	Warranty	Vendor on-site support for 24x7, 3-year Support Service and Part Replacement Service Should provide original supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials during the warranty period.	
1.11	Installation	Should be installed by vendor certified engineers. Engineer certificate should be submitted along with the proposal (minimum 2 certified engineers) to provide support during warranty period.	

2. HPE Disk Drives			
No	Quantity	Part Number	Item Description
2.1	04 Nos	N9X96A	HPE MSA 800GB 12G SAS Mixed Use SFF (2.5in) Solid State Drive
2.2	06 Nos	K2Q82A	HPE MSA 4TB 12G SAS 7.2K LFF (3.5in) 512e Midline Hard Drive

Section II (UPS)

- Maximum Delivery Time: 60 Days for this section, delivery timeline over this will be disqualified.

No		Item Details	Yes/No - Proposed solution including part numbers.
1.1	UPS Type	APC Symmetra LX 8kVA Scalable 16kVA Rack-mount UPS	
1.2	Output power capacity	11.2 KWatts / 16.0 kVA	
1.3	Nominal Output Voltage	230V	
1.4	Output Voltage Note	Configurable for 220 : 230 or 240 nominal output voltage	
1.5	Output Frequency	47 - 63 Hz	
1.6	Load Crest Factor	Up to 5 : 1	
1.7	Topology	Double Conversion Online	
1.8	Waveform type	Sine wave	
1.9	Output Connections	(8) IEC 320 C13 (Battery Backup) (1) Hard Wire 3-wire (H N + G) (Battery Backup) (10) IEC 320 C19 (Battery Backup)	
1.10	Input Connections	Hard Wire 3 wire (1PH+N+G), Hard Wire 5-wire (3PH + N + G)	
1.11	Battery type	Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof – 4 Battery Units should be included.	
1.12	Network Management Card	UPS Network Management Card 2 with Environmental Monitoring	
1.13	Interface Port(s)	DB-9 RS-232 , RJ-45 10/100 Base-T , Smart-Slot	
1.14	Control panel	Multi-function LCD status and control console	
1.15	Audible Alarm	Audible and visible alarms prioritized by severity	
1.16	Emergency Power Off (EPO)	Should include a Emergency Power Off (EPO)	
1.17	Extended Runtime	APC Symmetra LX Extended Runtime unit	
1.18	Battery cabinet (Runtime)	RBC Quantity: 9 Maintenance-free sealed Lead-Acid battery with suspended electrolyte : leakproof	

1.19	Warranty	Vendor on-site support for 24x7, 2-year Support Service and Part Replacement Service Should provide original supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials during the warranty period.	
1.20	Installation	Should provide installation and start-up of the storage system. <ul style="list-style-type: none"> • Should be installed by vendor certified engineers. • Engineer certificate should be submitted along with the proposal (minimum 2 certified engineers) to provide support during warranty period. 	

Section III (Blade Nodes)

- Maximum Delivery Time: 30 Days for this section, delivery timeline over this will be disqualified.

Blade Nodes

Note: - The bidder shall fill the bidders offer columns with Yes or No Clearly and reference no to vendor specification, with your own reference number to each specification which has been provided. Bidder's fail to provide the information required in the bidders offer columns and reference no to vendor or wrong information in the same may be a reason for the rejection of the bid.

NO	QTY	Requirement Details	Yes/No - Proposed solution including part numbers.
1	2	Blade servers - PowerEdge FC630 Server Node or equivalent	
		Form factor: Half-height	
		Processor: 2 x Intel® Xeon® Processor E5-2650 v3 (25M Cache, 2.30 GHz)	
		RAM: 8GB x 16 (128GB) DDR4, 2133MHz, Minimum 16 DIMM Slots	
		Storage (for VSphere): Internal Dual SD Module with 8GB SD Card	
		Networking: minimum 4 port 10Gbps Ethernet	

		Slots: minimum one (1) PCIe (x8) expansion mezzanine slots	
		Raid Controller: Raid Controller with RAID 0/1/5/6 capabilities	
		Operating System: no OS required, must support Microsoft Windows Server, Linux based OS (RHEL, Ubuntu), VMware Hypervisor.	
		Remote management enabled	
		Warranty: minimum 3 years comprehensive warranty for part replacement and Services with 24 x 7 support	
		Other Specifications	

PCIe mezzanine card(s)

NO	QTY	Item Description	Yes/No - Proposed solution including part numbers.
2	2	PCIe cards for FX2 QLogic 57810S DP 10GB BASE-T Server Adapter, Low Profile Specified requirement must be included in the bid document.	

Part II – Instructions to Bidders

General Instructions

Key events and dates

The following schedule will apply for this RFP, but may change in accordance with the organization's needs or unforeseen circumstances. All changes will be upload to company web site "aasandha.mv".

- RFP Submission Date: - 31st March 2019, 1000 hrs.
- RFP must be valid through 90 days from the date of submission
- **Location of Clarification Meeting**
Aasandha Company Limited
FEN BUILDING, 3rd FLOOR,
AMEENEE MAGU, MALE'

Vendors are advised to arrive early for the Bid submission meeting, as vendors will NOT be allowed to submit any Bids after the time specified above.

Communication

Applicable terms and conditions herein shall govern communications and inquiries related to this RFP between Aasandha Company Limited and vendors.

Inquiries, questions, and requests for clarification are to be directed via email to: **tech@aasandha.mv**

Any other form of communication shall be considered informal and shall have no weight, bearing, or influence in this RFP process.

Aasandha Company Limited will respond to requests for clarification and queries on the RFP, received no later than the bid submission date set forth in "Section 1.2 Key events and dates: RFP Submission Date".

Qualified Bidders

Any single firm (sole proprietorship, partner, company, joint venture or other legal entity registered in the Republic of Maldives) is eligible to participate Vendor's Understanding of the Bid

In responding to this RFP, the vendor accepts full responsibility to understand the RFP in its entirety, and in detail, including making any inquiries to Aasandha Company Limited as necessary to gain such understanding. Aasandha Company Limited reserves the right to disqualify any vendor who demonstrates less than such understanding. Further, Aasandha Company Limited reserves the right to determine, in its sole discretion, whether the vendor has demonstrated such understanding. That right extends to cancellation of award, if award has been made. Such disqualification and/or cancellation shall be at no fault, cost, or liability whatsoever to the Aasandha Company Limited. Aasandha Company Limited reserves the right to cancel bids for a specific section without cancelling other sections. Sections will be evaluated independent of each other; Bids will be evaluated section by section and will be awarded as such. Sections will not be split up to be awarded to multiple vendors. A single vendor will be selected for each section.

Proposal Requirements

Qualification Criteria

The Bidder must have been in the service of this nature/IT solutions for past five (3) years in relation to supply, configuration and commissioning of IT solutions.

Aasandha Company Limited shall confirm that the following legal documents and information have been provided in the Bid. If any of these documents or information is missing, the offer shall be rejected.

- Company Registration Certificate
- GST Registration Certificate
- Trade Permit

The Bid document shall be rejected if it fails to meet the following minimum criteria or if any of the required documents are missing.

Vendors can submit bids for a single section or multiple sections. Separately sealed, and properly bound proposals shall be submitted for each section of this RFP. Bidder shall file all documents necessary to support their proposal and include them with their proposal. Proposal package and quotations should be identifiable using the given reference numbers specified in this RFP document.

Bidder must bid for all items and related items/services in each section. If any bidder fails to provide all services and products in the intended bidding section Aasandha Company Limited shall reject the bid proposal.

Bidders who do not provide easily viewable total cost per section, a cost per section at time of opening the bid will be disqualified from the section and price will not be noted. bidders can submit a maximum of two bid's (options) for each section as long as it meets the stated requirements, if multiple options are given, vendors will have to clearly state the total price for each option for the section. If this information is not clearly stated, the vendor will be disqualified from the whole section.

Bid Format

Executive Summary: A summary of the Bidder's document and approach to the installation of systems of this kind, identifying any unique or distinctive features of the system of interest to the evaluators based on the needs specified in this document.

Bidder and/or Partner(s) overview and profile: The bidder must provide basic information on the bidder and any partners participating in the tender. This information should include, but not be limited to, the history of the organization, its experience and its experience in the IT field, technical capabilities, experience implementing similar architecture, the size of implementations and success stories. This section should also explain any partnering arrangements that have been made to respond to the proposal.

Proposal: Proposal shall be submitted in the following format and include the following information.

- Detailed description of proposed equipment/services including the manufacturer part numbers, scope of work and financial proposal shall be submitted (*valid for a period of 90 days from date of submission of the Bid*). The following should be included:
 - Bid Form

- Price Schedule Form
 - Terms and Conditions
 - Bill of Quantities – Including manufacturer part numbers and descriptions
 - Delivery and Implementation Schedule
 - Technical proposal
 - TAC Support and Warranty Details.
- Unless otherwise specified, the Bidder shall quote entirely in Maldivian Rufiyaa including all government taxes.
 - The bidder should provide approach and reference of successful implementation of similar projects and should include descriptions of project implementations they have completed. The mentioned project references must include names and contact information of the respective clients so that Aasandha Company Limited can contact and verify the project summaries. Must provide Experience Form.
 - Bidder that does not manufacture or produce the goods it offers to supply shall submit the Manufacturer’s Resale Authorization Letter, to demonstrate that it has been duly authorized by the manufacturer of the goods to resell these goods in the Republic of Maldives.
 - **Team Composition:** It is mandatory that the bidder will maintain the required technical team as deemed suitable based on the requirements and milestones. However, Aasandha Company Limited expects that the bidder would have allocated the following team compositions having specific skill sets and professional experience. Importantly, it is expected that the bidder will maintain necessary resources on-site during crucial stages of the project that requires closer interaction with Aasandha Company Limited during installation, configuration, integration, training, testing, etc. The Bidder **MUST** have at least one (1) full time brand professional certified engineer under its payroll. The bidder shall attach the professional certificate of the engineer for reference. The bidder shall submit the following documents:
 - Certification copies of the relevant training
 - Employment letter from that organization
 - ID Card OR passport copy of the engineer
 - Contact information of the staff or supervisor

Evidence of the bidder’s financial, technical and organizational capability and experience to perform the Contract;

Any other pertinent information the Bidder may wish to submit

Delivery and Installation

If at any time during performance of the contract, the successful bidder or its subcontractor(s) should encounter conditions impeding timely delivery of the agreed solution(s) and performance of services, the bidder shall promptly notify Aasandha Company Limited in writing of the fact of the delay, its likely

duration and its causes(s). As soon as practicable after receipt of the vendor's notice, Aasandha Company Limited shall evaluate the situation and may at its discretion extend the vendor's time for performance, in which case the extension shall be ratified by the parties by amendment of the contract. Counting of delivery dates will start on the day the bid is awarded and award letter is handed over to the vendor. Inclusive of letter handover day.

Delivery period should be stated in calendar days, inclusive of weekends and public holidays (not only working days). If delivery deadline falls on a working day (Sunday-Thursday) latest delivery time should be 4:00pm. If delivery deadline falls on a public holiday delivery deadline will be extended to next working day 4:00pm without penalty. Vendors who bid must agree for free doorstep delivery to any location in Male'. Failure to deliver within set deadline will result in the following penalties.

1. 1.5% of total section price as awarded will be deducted per day starting on the date after delivery deadline date.
2. If delivery delays are longer than 14 days from the agreed period, Aasandha Company Limited has the right to terminate the contract as non-delivery of items.
3. If bid is cancelled due to non-delivery, vendor may be disqualified from future contracts and purchases due to non-performance, for a period of up to 2 years.
4. If the successful bidder decides to withdraw from the bid, they will be suspended from participating in any future project initiated by Aasandha Company Limited for a period of up to 2 years.

Submission of Bids

- All bids must be submitted in a sealed envelope.
- The envelopes must bear the name of the company submitting the bid and must be addressed to the bid submission address indicated below.
- All Bids should be addressed as follows:

Aasandha Company Limited
FEN BUILDING, 3rd FLOOR,
AMEENEE MAGU, MALE'
BID REFERENCE: TEN/AD/2018/003

Additional Information

- a) Detail scope of work must be submitted with tender document.
- b) Certificate copies and reference letters may need to be verified by contacting the relevant parties. Therefore, please provide contact information with certificate copies and reference letters.
- c) All documents must be printed on one side.

Evaluation and Comparison of Bids

- **Clarification of Bids:** To assist in the examination, evaluation, comparison and post-qualification of the bids, Aasandha Company Limited may, at its discretion, ask any bidder for a clarification of its bid. Any clarification submitted by a bidder in respect to its bid and that is not in response to a request by Aasandha Company Limited shall not be considered. No change in the prices or substance of the bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by Aasandha Company Limited in the evaluation of the bids.
- **Responsiveness of Bids:** If a bid is not substantially responsive to the Bidding Documents, it shall be rejected by the Aasandha Company Limited and may not subsequently be made responsive by the bidder by correction of the material deviation, reservation, or omission.
- **Technical Evaluation of Bids:** Aasandha Company Limited shall evaluate the technical aspects of the Bid submitted in accordance with the RFQ, to confirm that all requirements specified in the RFQ, have been met without any material deviation or reservation.
 - Sections will be evaluated independent of each other; Bids will be evaluated section by section and will be awarded to the highest qualified bidder of each section.

Evaluation Criteria:

Evaluation

Technical Evaluation

<u>Proposal Presentation</u>	<u>25</u>
Understanding and level of following the instructions in the RFP. <ul style="list-style-type: none">• Should submit Bill of Material – Including manufacturer part numbers.• Should submit Technical Compliance Sheets	5
Clarity of reference of supporting evidence and technical requirement.	10
Detail and completed work plan and schedule. <ul style="list-style-type: none">• Should submit Work Schedule• Should submit Scope of Work• Should submit Technical support plan and warranty details	5
Level of product details provided <ul style="list-style-type: none">• Should submit the bill of material• Should include the features and product capabilities	5
<u>Company Profile</u>	<u>10</u>
Company Profile, technical resources and scale of operations. <ul style="list-style-type: none">• Should submit the Company structure• Should include Team Composition – Technical and Administrative• Should provide Financial Statements (Past 1 Year)• Should provide Company Registration, GST Registration and Trade Permit• Should provide Manufacturer Authorization Letter	5
Maturity and experiencing in providing IT related services and scale of projects. <ul style="list-style-type: none">• Should submit the experience form.	5
<u>Technical Staff Profile</u>	<u>15</u>
Engineer qualification and experience to carry out the implementation of the project. <ul style="list-style-type: none">• Should submit the certifications of the engineers• Should submit the CV of the engineers	8
Bidder experience in similar products and solutions.	2
Number of staff available to implement and provide support during warranty period.	5

<u>Support and Maintenance - Mandatory</u>
Hardware replacement and warranty support from manufacturer
Local on-site support service by vendor certified engineers

Price Evaluation

<u>Price</u>	<u>50</u>
Each bidder's price is used to identify their relative position on a 0 – 50 price scale. This is done by allocating the lowest priced qualified bid 50 points and calculating the remaining bidder's score in relation to this scale.	50

SAMPLE FORMS

Bid Form

BID FORM **Section 1/2/3 (Specify)**

Description of works:	SAN Storage
Bid to:	Aasandha Company Limited
Address:	Fen Building 3rd Floor, Ameenee Magu, Mahchangoalhi, Male', 20375, Republic of Maldives

Having examined the conditions of Contract, technical specifications, drawings and bill of quantities for the execution of above named works, I/we the undersigned, offer to construct and maintain the whole said work in conformity with the said conditions of Contract, technical specifications, drawings and bill of quantities for the sum of **MVR:** _____ (_____).

We undertake, if our Bid is accepted, to commence the works within seven (7) calendar days of receipt of the letter of award and to complete whole of the works comprise in the Contract within calendar _____ (_____) days.

We agree to abide by this Bid for a period of Ninety (90) days from the date of submission of the Bid and it shall remain binding upon us and may be accepted at any time before the expiration of that period. We understand that you are not bound to accept the lowest or any Bid you receive.

Unless and until a formal agreement is prepared and executed, this Bid together with our written acceptance thereof shall constitute a binding Contract between us.

Yours faithfully,

Signed _____

In the capacity of _____
Duly authorized to sign bids for and on behalf of _____

(Company Name & Stamp)

Date: _____

Name & Address of Signatory

Name: _____

Address: _____

Tel No.: _____

Fax No.: _____

Form of Qualification Information

a) Experience

Works of similar nature completed over the last 2 years

Experience Form:

Customer	Project Details	Value	Year of Completion
Organization {...} Contact Person {...} Email {...} Phone {...}	Products {...} Services {...} Agreement No {...}	MVR {...}	Year {...}