Request For Proposal: Supply of Storage Area Network (SAN)

No. and Date of Issue	SDFC/IU/2022/053
	19th November 2022
Project Name	Supply of Storage Area Network (SAN)
Purchaser	SME Development Finance Corporation (SDFC)
Address	SME Development Finance Corporation, M. Kaneeru Villa, 2nd Floor, Orchid Magu, 20212 – Male' City, Republic of Maldives Phone: 3026010 Mail: info@sdfc.mv
Clarification Deadline	The Vendors can send written queries via email to procurement@sdfc.mv before **14:00hrs, 27th November 2022.**
Bid Submission Deadline	Bid collection meeting will be held on **28th November 2022**, **14:00hrs** at SDFC (M. Kaneeru Villa 2nd Floor, Orchid Magu)
Delivery duration	Delivery duration is to be proposed as per Form 2
Bid Validity	60 Calendar days from the date of submission.
Bid language	English

1. General Information
SME Development Finance Corporation was established as a specialized financial institution providing financial products and ancillary services to MSMEs and entrepreneurial start-ups with the primary purpose of easing access to finance for MSMEs.

2. Eligible Bidders
The invitation is open to all interested local parties with a formal intent to enter into an agreement.

3. Scope of Work and Deliverables
In consultation with SDFC designated staff, the successful bidder is required to deliver the scope of work and outputs outlined in **Annex 1.**

4. Bid Prices
All bids shall be quoted inclusive of all applicable local taxes and GST. Where prices quoted are not indicated or mentioned as "exclusive" of GST or local taxes, SDFC has the right to take the quoted price deemed to be inclusive of GST and all applicable local taxes.
If the Price Quoted in the Bid Form differs from those given quotations, then the Price given in the Bid Form will prevail.

5. Payment terms

Advance payment for the work will not be made to the successful party until the work has been completed.

Payment will be processed once the work is approved and accepted by the procurement department of the SDFC.

6. Award of Contract:

The bidder who scores the highest points from the total evaluation which is substantially responsive to the requirements of this Request for Proposal (RFP) shall be recommended for award of the Contract.

7. Right to Reject:

The SDFC reserves the right to accept or reject any bids or to cancel the procurement process and reject all tenderers at any time prior to contract award.

8. Corrupt Practices:

The Government of the Republic of Maldives requires that Procuring Entities, as well as Tenderers, observe the highest standard of ethics during the procurement and execution of contracts. In pursuit of this policy:

- SDFC will reject a recommendation for an award if it determines that the Tenderer recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract

9. Evaluation Criteria:

9.1. Price 80%

The points will be given using the lowest proposed price as the benchmark. The full marks will be given to the benchmark value and others weighted accordingly using the formula below.

MAX% = (Benchmark price/ Proposed price) x weightage

9.2. Delivery Period 15%

The points will be given using the shortest delivery period as the benchmark. The full marks will be given to the benchmark value and others weighted accordingly using the formula below.

MAX% = (Benchmark/ Delivery Period) x weightage

9.3. Experience of the bidder 5%

The bidder must submit a portfolio of relevant work done accompanied by reference letters about the satisfactory delivery of finished projects. The bidder should provide contact numbers and names of references for each project. The projects listed as references should be carried out in the last 5 years (From **November** 2017 onwards). Any projects prior to this period will not be counted towards the points. The points will be given using the highest number of experience letters as the benchmark.

- We will be allocating 0.5 Points per experience letters which are related to supply and installation of enterprise storage solutions.
- Maximum points allocated will be 5 Points. (10 Experience Letters)
- The reference letters should be stamped by the issuing entity.

MAX% = (No. of projects/ 10) x weightage

10. Documents to be Submitted

All bids should be submitted with the following documents & forms and any bids submitted without these documents & forms will be disqualified.

Marks will be awarded based on the information on these forms/documents.

10.1.   Cover Letter
10.2.   Form 1 – Application for BID submission
10.3.   Form 2 – Bidder profile and technical proposal
10.4.   Form 3 – Price schedule for the contracting service
10.5.   Declaration on Ethical Conduct and Fraud and Corruption (Annex ii)
10.6.   Tax clearance report
10.7.   A copy of the bidder's Business registration Certificate.
10.8.   A copy of the bidder's GST registration Certificate
10.9.   Experience letters as specified in 9.3
10.10.   The vendor must be an authorized partner/seller/reseller for the solution(s) they propose. Proposals without the authorization letter or license certificate will be disqualified.
10.11.   License/ certification from authorized partners for enterprise lineup.

Annex 1

Scope of Work

Supply of 01 NOS of SAN with the system configuration as mentioned in system requirements.

1. System Requirements

SAN Storage Array	
Minimum Requirement	- The proposed storage array shall be from a manufacturer listed as a leader in Gartners Magic Quadrant for primary storage - The chassis shall support 24 drive bay 2.5" in 2U - The base storage system shall have dual hot-swappable active/active controllers - Controller front end ports: 2 host ports per controller, 4 host ports per array - The array shall have minimum 1/10GbE iSCSI host connectivity (Copper 10GBASE-T) - The controllers shall contain next generation RAID offload ASIC and CPU. - The array shall have web-based management, CLI and REST API interface - The array shall support non-disruptive on-line controller firmware/software upgrade

Storage Array	- The storage array shall be supplied with 4 nos x 2.4TB 12G SAS 10K SFF Enterprise HDDs - The storage array shall support hot plug 10K, 15K SFF HDD, 7.2K LFF HDD and SSD drives - The storage array shall have minimum 24GB system cache memory - The storage array controllers shall have 12GB SAS expansion ports - The storage array shall support minimum 4TB Read cache - The storage array controllers shall have battery-free cache backup with super capacitors and compact flash - The storage array shall support RAID levels 1/0, 5, 6 - The storage array shall have advanced storage features like storage tiering, snapshot, volume copy and storage replication - The storage array shall include advanced storage features like thin provisioning, space reclamation and any required license shall be included for full capacity of the array
Expansion Capacity	- The storage array shall support additional three (3) drive enclosures (either LFF and/or SFF) as expansion - The storage array shall support minimum of 96 SFF or 36 LFF drives after expansion

Installation, Configuration and Documentation	- Installation and configuration service shall be by vendor certified engineers only
	- The installation team should consist of minimum one OEM certified engineers for the proposed storage
	- The allocated engineers shall be available onsite for the duration of the installation
	- Installation of the storage array: unpacking the array, inspecting it for damage and installing it according to product specification
	- Installation of any additional hardware options
	- Physical connection of the product to a LAN or WAN
	- Perform maintenance related tasked such as firmware updates and management interface configuration
	- Shall be installed and configured as per manufacturer best practice guidelines
	- Initialize the array
	- Configure LUNs for existing Fileserver migration
	- Configure storage multi-pathing
	- Plan and design distributed file server architecture for existing file server
	- Migrate and configure distributed file server
	- Configure additional LUNs on the array for daily backup of critical production VMs
	- Configuration documentation
Warranty:	- 3-Year Parts, 3-Year Labor, 3-Year Onsite support with NBD response
	- 9x5 business hour availability and a 2-hour response time
	- 24x7 access to online self-serve and self-solve capabilities, 24x7 incident logging
Training and Technical Support:	- On-the-job training
	- Specialized training in storage and servers for one person
	- 2-Year local technical support by OEM certified engineers