

## Vendor registration for Supply, Delivery, and Installation of Refrigerated Sea Water (RSW) Systems for fishing vessels

### TERMS OF REFERENCE (TOR)

<b>No. and Date of Issue</b>	SDFC/AP/IU/2024/7
	18 <sup>th</sup> July 2024
<b>Project Name</b>	Vendor registration for Supply, Delivery, and Installation of Refrigerated Sea Water (RSW) Systems for fishing vessels
<b>Purchaser</b>	SME Development Finance Corporation (SDFC)
<b>Address</b>	SME Development Finance Corporation, M. Kaneeru Villa, 2 <sup>nd</sup> Floor, Orchid Magu, 20212 – Male’ City, Republic of Maldives Phone: 3026010 Mail: <a href="mailto:info@sdfc.mv">info@sdfc.mv</a>
<b>Clarification Deadline</b>	Vendors can send written queries <a href="mailto:procurement@sdfc.mv">procurement@sdfc.mv</a>
<b>Proposal submission</b>	Once the proposal is ready for submission, vendors may send it to <a href="mailto:procurement@sdfc.mv">procurement@sdfc.mv</a> .
<b>Proposal Submission Deadline</b>	Proposal submission for this project shall remain open until 31 <sup>st</sup> December 2024 and submission can be made at any time within this deadline. Proposals will be evaluated based on the eligibility and minimum requirement. SDFC shall empanel all eligible applicants accordingly
<b>Bid Validity</b>	1 year from the date of submission
<b>Bid language</b>	English

### 1. BACKGROUND

The Government of Maldives, represented by Ministry of Fisheries, Marine Resources, and Agriculture is seeking to identify 'Approved Vendors' to supply, deliver and install RSW systems for fishing vessels, as specified in Annex 1, for the benefit of fishers and vessel owners (its end users or customers). The Government intends to start an Islamic shariah compliant financing program through SME Development Finance Corporation (SDFC). The customers who are applying for the financing facility to install RSW systems will have the options to choose a vendor from the list of 'Approved Vendors' established under this TOR. It is anticipated that the approved list will solutions that meets the technical criteria set by the Ministry.

### 2. OBJECTIVES

The objective of this TOR is to strengthen the implementation of Support People's Livelihoods in the Fishery Sector in Maldives through Sustainable Energy Project by facilitating the installation of RSW systems on board fishing vessels. This will contribute to achieving "Increase profitability from fishery activities" ('Hama Agu' Policy) and promoting and facilitating access to technologies and techniques to increase profitability, improve catch quality, and reduce postharvest losses.

The targeted direct beneficiaries of the financing facility are the fisherman working on the fishing vessels and the vessel owners. This also enables them to reduce the cost of fishing, and thereby generating more income and profit.

### 3. SCOPE

This TOR seek to establish a list of 'Approved Vendors' for the purpose of implementing the project. The vendors in the approved list will include only the selected suppliers who propose to the Ministry, as specified herein, to supply and install the RSW systems under this project implemented by the Ministry or the Government of Maldives through the SDFC (the financial institution). It is solely the 'Approved Vendors' responsibility to decide for the supply, delivery and installation of the RSW systems onboard the fishing vessels as per the agreed terms and conditions set forth in Sales and Purchase Agreement signed between the vendor and the customer. However, the 'Approved Vendors' will not be allowed to negotiate the technical specifications, delivery and warranty terms. These terms will remain as it is in this TOR unless it is amended with mutual agreement.

Import duty of RSW systems and the components of the RSW systems imported for the purposes of this scheme will be exempted by the Government.

#### 4. APPLICANTS ELIGIBILITY

Applicant may be a sole proprietor, partnership, company, or a joint venture under an existing agreement or with the intent to constitute a legally enforceable joint venture.

4.1 Applicant shall meet the following criteria to be eligible:

- (a) have the legal capacity to enter into a commercial contract;
- (b) not be insolvent, in receivership, bankrupt or being wound up, its affairs not being administered by a court or a judicial officer, its business activities not being suspended and not the subject of legal proceedings for any of the foregoing;
- (c) have fulfilled its obligations to pay taxes;
- (d) not have been, and its directors or officers not have been, convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a contract within a period of five years preceding the commencement of the procurements; and

4.2 Applicants shall not have a conflict of interest. Applicants found to have a conflict of interest shall be disqualified. Applicants may be considered to have a conflict of interest with one or more parties in this call for application process, if:

- (a) they have a controlling partner in common; or
- (b) they receive or have received any direct or indirect subsidy from any of them; or
- (c) they have the same legal representative for purposes of this call for applications; or
- (d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the application of another applicant, or influence the decisions of the Employer regarding this application process; or
- (e) Applicant participates in more than one application process; or
- (f) Participation by an applicant in more than one will result in the disqualification of all application in which the party is involved; or
- (g) Applicant or any of its affiliates participated as a consultant in the preparation of technical specifications of the contract that is the subject of the Application; or

4.3 Applicant that has been suspended from participation in public procurement by the Government at the date of the deadline for application submission or thereafter, shall be disqualified.

4.4 Applicant must not have a non-performance of a contract that has occurred as a result of contractor default during the past 5 years preceding the deadline for Application submission.

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4.6 The Applicant must have a minimum average annual turnover of MVR 400,000 within the last three (3) years.

#### 5. TECHNICAL SPECIFICATION

Technical Description and Specification of RSW systems are provided in Annex 1 of this TOR.

## 6. WARRANTY

RSW systems shall have at least **three (3) years' service warranty and maintenance**. This means the buyers of RSW systems shall be provided the same service warranty period or more under the Sales and Purchase Agreement.

Physical presence of the vendor in the Maldives for a minimum of warranty period either through an agent or direct presence is required.

## 7. PREPARATION OF THE APPLICATION

7.1 The Application shall comprise the following:

- (a) Letter of Application
- (b) Completed Schedules, in accordance with this TOR and its annexes
- (c) Quotations, for the supply of the following category of RSW systems.
- (d) The quoted price must include the equipment cost, transportation costs, GST and any other associated costs.
- (e) Written confirmation of authorizing the signatory of the Applicant to commit that person signed is duly authorized to sign on behalf of the Applicant; or Power of Attorney to confirm authorization of the signatory.
- (f) Business Registration Certificate.
- (g) GST Registration Certificate.
- (h) The name and position held by each person signing the authorization must be typed or printed below the signature.
- (i) Technical Proposal in accordance with Annex 1
- (j) The price offered to end-users are to be quoted in the Proposal in Maldivian Rufiyaa (MVR).

7.2 To establish its eligibility and qualifications to perform in accordance with this TOR the Applicant shall provide the information requested in the corresponding information sheets included in Annex 2 (Form set).

## 8. SUBMISSION

### 8.1 All applicants must submit proposals for all categories of RSW systems described in Table 1 of the Annex 1 of this TOR.

8.2 Proposals submitted to the SDFC, under this TOR shall:

- (a) bear the name and address of the Applicant;
- (b) be addressed to SDFC as below:

SME Development Finance Corporation,  
M. Kaneeru Villa, 2nd Floor, Orchid Magu,  
20212 – Male’ City, Republic of Maldives  
Mail: [procurement@sdfc.mv](mailto:procurement@sdfc.mv)

(c) bear the title, **‘Proposal for the Supply, Delivery, and Installation of Refrigerated Sea Water (RSW) Systems under Support People’s Livelihoods in the Fishery Sector in Maldives through Sustainable Energy Project’**

8.3 Any Application received SDFC after the deadline for submission of application shall be declared late, rejected, and returned unopened to the Applicant.

## 9. EVALUATION AND EMPANELMENT

9.1 For the purpose of evaluation of the proposals received and selecting suppliers as ‘Approved Vendors’, SDFC may only include the applicants who meets the following minimum criteria to be considered as eligible applicants under this TOR:

- a) Applicants must pass/meet the specified minimum technical requirements to be considered as technically compliant; and
- b) Applicants must pass/meet the minimum financial capacity to fulfil the requirements of the scope;
- c) Applicants who fulfill the requirement specified in this TOR will be listed on our website as empaneled vendors.

## 10. RELATIONSHIP WITH SDFC

10.1 Successful Applicants selected as ‘Approved Vendors’ shall enter into an agreement with SDFC stipulating the minimum terms and conditions that governs the supply and delivery of RSW systems. This may include:

- a. provisions under which the vendor(s) may be removed from the “Approved Vendors” list, such as;
  - i. a vendor failing to deliver on time with no acceptable reason(s);
  - ii. a vendor failing to provide warranty or after sales services to the buyers.
- b. Duration of the engagement;
- c. Details of the minimum guarantees/warranties to be provided to the prospective buyers.

11. Applicants' Eligibility and Qualifications

- 11.1 To establish its eligibility and qualifications to perform the contract in accordance with the TOR, proposal must be submitted with the following documents & forms and any proposal submitted without these documents & forms will be disqualified.
- 11.2 Please refer to document checklist of Annex 2

12. CLARIFICATION

- 12.1 A prospective Applicant requiring any clarification of this TOR may contact SDFC in writing to the address indicated below.

SME Development Finance Corporation,  
M. Kaneeru Villa, 2nd Floor, Orchid Magu,  
20212 – Male' City, Republic of Maldives  
Phone: 3026010  
Mail: [procurement@sdfc.mv](mailto:procurement@sdfc.mv)

## Annex 1

### Technical description and specification of Refrigerated Seawater Systems (RSW systems)

Under the financing facility, the vendors (the Suppliers) are required to supply and install RSW systems onboard fishing vessels for those buyers (fishing vessel owners) who desires to procure them using the finance facility.

For the purpose of selecting 'Approved Vendors', prospective vendors shall submit quotations with their proposals, for the supply of the following category of RSW systems, where applicable. In either case the systems must have the capacity to chill seawater in the chilling tanks or in vessel's bilge to a temperature of 0°C or +2 °C within 3 hours from seawater of 35ppm at 28 °C (Table 1). The quoted price must include the machinery cost, transportation costs, GST and any other associated costs.

*Table 1: Capacity range of the Refrigerated Seawater Systems (volume of chilled water produced, in liters, in a 3 hour cycle of operation).*

Category	Capacity range by category (Liters)		
1.	≥ 5,000	to	10,000
2.	>10,000	to	15,000
3.	>15,000	to	20,000
4.	>20,000	to	25,000

In addition, the prospective vendor shall submit the pricing for the installation of the RSW systems onboard the fishing vessels for the vessel sizes specified in Table 2. The prices shall include material cost, labour costs, GST and any other associated costs. The quoted prices for installation will not be assessed for the selection of 'Approved Vendors'. However, this information will be published along with the prices quoted for the RSW systems and will form an integral part of the agreement signed between the SDFC and the selected Vendors.

*Table 2: Fishing vessels size categories*

No.	Vessel Size Category
1.	≥20m to 25m
2.	>25m to 30m
3.	>30m

Table 3 and Table 4 describe the maximum and minimum design conditions and requirements for each category of RSW Systems that a prospective vendor may propose to supply under this project. The prospective vendors shall comply with the conditions and requirements and furnish the details of their proposed RSW systems in their proposals.

*Table 3: Description of the maximum design conditions and requirements.*

Detail	Maximum Requirement
Inlet Water Temperature	Approximately +28 °C
Water Outlet Temperature	0°C or +2 °C
Compressor Type	Semi Hermetic piston OR Screw
Condenser Type	Seawater Cooling (Shell and Tube OR Copper Nickel)
Evaporator Type	Shell and Tube (Copper Nickel OR Stainless Steel OR Titanium Tube)
Condenser - Evaporator Pump Type	Self-Priming Stainless-Steel Pump (AISI316)
Noise (3 meters)	≤ ~78 dBA
Evaporation Temperature	2C / -10C °C
Energy	380V/50Hz/3Ph
Refrigerant	Any LOW GWP refrigerant approved for import into the Maldives
Temperature monitoring	The system should indicate water inlet and water outlet temperature
Data logger	The system should include a temperature data logger to measure water in temperature in chilling tanks or bilge. The data logger should be capable of recording temperature over a period of two weeks that can be extracted digitally if required. The data logger should monitor the temperature of each compartment.



Table 4: *Description of the minimum design conditions and requirements*

<b>Detail</b>	<b>Minimum Requirement</b>
Chiller Shell and Tube	Copper Nickel OR Stainless Steel
Condenser Shell and Tube (Sea Water Cooled)	Copper Nickel OR Stainless Steel
Type of Compressor	Any Compressor Type Applicable for Marine Use
Electrical Controls	Schneider or Equivalent
Refrigeration Control and Valves	Danfoss or Equivariant
Refrigerant used in System	Must be compliant with local regulations and Low GWP (Global Warming Potential)
Cooling Capacity	Liters of Sea Water Chilled from 28 <sup>0</sup> C to 2 <sup>0</sup> C in 3 hrs.
Temperature Monitoring System	Temperature of Chiller Cooling Water In and Out Should be monitored as well as Individual Fish Holds.

Table 5: Minimal Installation Requirements

