



**Assignment Title: Request for Expression of Interest (REOI) for Provision of Consultancy Services to Conduct Training on the Operation and Maintenance of Flake Ice Machine and Chilled Store Equipment at Robertsport Fish Landing Site Cluster**

**Reference No. : NAFAA/WARFP/IF/C/INDV/01/19**

**1. Background**

The National Fisheries and Aquaculture Authority (NaFAA) with support from the Icelandic Government request for Technical Assistance to Support the training of operators and management team of the chill and ice store, ice flake machine in operations and maintenance and efficient use of the equipment at the Robertsport Fish Landing Site cluster in Liberia.

The installation and operation of the chill and ice store and the ice flake machine at the Robertsport landing cluster were the last key equipment remaining to make the Fish Landing facility fully functional. The chill and ice store equipment, and flake ice machine have been delivered at site and installed in February 2019.

A technician, from the manufacturer of the chill and ice store, Frigor box, supervised the installation of the chill and ice store in early January 2019.

The ice flake machine, manufactured by TUCAL of Spain, arrived in Robertsport and was installed in mid February 2019. The machine was fully assembled and is a “plug and play” i.e.. A technician from the manufacture was not available for assisting and supervising the installation. However, a video instructional manual from TUCAL was sent to assist a management team at Robertsport, including an electrician and a team of experienced local technicians from a refrigeration service company with the installation. The training of the local management team is required to ensure the proper use and maintenance of the equipment.

**2. Objective of the Assignment**

The Robertsport management team and locally hired refrigeration service firm have installed the chilled stores and flake Ice machine supplied by Frigor Box of Italy and TUCAL of Spain.

The selected refrigeration technician is expected to provide training for operations and maintenance of the flake ice machine and provide training on the most efficient use of the cold store and ice machine. The technician is therefore mainly meant to provide practical

training assistance and supervision in collaboration with the local team that is responsible for the operations and maintenance of the equipment.

### **3. Scope of Work and Task**

#### **General Responsibilities:**

The key responsibilities of the consultant will include, inter alia:

- Conduct a check over of the newly supplied 5 tonne/day ice machine as delivered to Robertsport.
- Assist and support the Robertsport management team, and the locally hired service company, to understand the operations of the machine.
- Assess the connection of the power and water supplies to the new machine.
- Supervise the commissioning and trial operation of the machine with the Robertsport team during the training, and coordinating with the manufacturer in Spain where necessary.
- Rate the output of the machine in the circumstances in Robertsport, in particular the water supply temperature and recommend additional methods of ensuring cool clean water supply.
- Train the operating team in all aspects of the operations of the ice machine including balancing water flow and pressures, efficient use of power, methods of storing ice and preventing excess waste, accounting for all ice made.
- Establish operating procedures for the team to follow after the training to include all maintenance procedures, record keeping and methods of ordering spare parts.

### **4. Required Qualifications, Experience and Competencies**

The ideal candidate is expected to have the following qualifications:

- A Mechanical or Refrigeration engineering certificate of competence, Electrical Engineering or related fields of study,
- At least 5 years experience in the operation and maintenance of fisheries processing machinery and equipment including ice making, chill storage and electrical generating machinery.
- Substantial experience or know how of operating, managing and maintaining a flake ice machine and cool stores.
- Technical and practical skills, training and/or education relevant for the assignment.
- Good communication and team work skills.
- Willingness to provide support and guidance to local management team in Robertsport, Liberia.

- Ability to work effectively and independently without supervision.
- Excellent communication skills, both written and oral and, have the ability to compile reports quickly within deadlines.

## 5. Duration of the Assignment

Two (2) weeks Fixed Term Appointment (FTA), subject to review and possible extension, based on satisfactory performance and availability of funding.

## 6. Reporting Arrangement

The Consultant will report to the Project Coordinator of WARFP Liberia.

**7. Duty Station:** The consultant shall be stationed at the Robertsport Fish Landing Site Cluster, Robertsport City, Grand Cape Mount County.

**The detailed Terms of Reference (TOR) for the assignment can be obtained at the Address given below:**

**8.** The attention of interested Consultants is drawn to Section III, paragraphs 3.14, 3.16, and 3.17 of the World Bank's "Procurement Regulations for IPF Borrowers" July 2016 and revised November 1, 2017 and August 2018 setting forth the World Bank's policy on conflict of interest.

A consultant will be selected in accordance with the Individual Consultant Selection (ICS) method set out in the Consultant Guidelines. The selection process, as described, will include a review and verification of qualifications and past performance, including a reference check, prior to the contract award.

Further information can be obtained at the address below during office hours from **9:00am to 16:00pm.**

The subject line of the email should read: **Provision of Training for Operations and Maintenance of Ice Machine & Chilled Store Equipment.** Now, given the volume of applications the project receives for each vacancy, it is **NOT** likely that we will notify every applicant about the status of his/her application. **Only** candidates who will qualify for the next stage of the recruitment process will be notified. **No** telephone calls will be allowed.

Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by e-mail) **on or before 23<sup>rd</sup> April 2019.**

**Mr. Yeviewuo Z. Subah**

**Project Coordinator, WARFP Liberia**

**PIU-National Fisheries & Aquaculture Authority (NAFAA)**

**Mesurado Pier, Freeport of Monrovia, Liberia**

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