

Terms of Reference

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Secretariat of the Dhiggaru Council
M. Dhiggaru, Republic of Maldives

Terms of Reference

Consultancy services for construction supervision of Neighborhood Fish Processing Plant at M. Dhiggaru

Introduction

The Government of the Republic of Maldives has received financing from the Government of India for Establishment of *Geydhoshu Mas Plant* in M. Dhiggaru and intends to apply part of the proceeds for the Consultancy Services for the Construction Supervision of Neighborhood Fish Processing Plant.

Background

To address the difficulties in the purchase of fish from the fishers during peak fishing season Secretariat of the Dhiggaru Council is in the process of developing Neighborhood Fish Processing Plant at M. Dhiggaru.

The project is in the process of tendering for the development of Neighborhood Fish Processing Plant at M. Dhiggaru.

Project details

This project will include:

- Installation of small-scale fish processing plant to purchase, process and value-add tuna and other fish.
- Minimum 20 ton ice making facility



- Minimum 10 ton cold room
- Equipment for fish weighing, gutting and clearing, chilling, freezing, vacuuming, packaging, quality testing and processing.

Scope of works

The Consultant shall be the project beneficiaries' (Secretariat of the Dhiggaru Council) representative on-site and shall perform all duties specified in this document and any other duties agreed by both parties and delegated by the beneficiary in writing in accordance with the MDB's Harmonized Edition of the Conditions of Contract for Construction prepared and copyrighted by the International Federation of Consulting Engineers Fédération International des Ingenious-Conseils, or FIDIC), FIDIC 2010 which is available at www.fidic.org, and all the requirement covered in the scope of works and the agreement signed between the parties. The scope of work among other things includes.

1. Assist in the tendering process.

The consultant assistance in tendering process (providing Tender clarifications, conducting pre-bid meetings) and tender evaluation process in providing assistance in carrying out the technical evaluation and preparing technical evaluation report for tender approval.

2. Review and approval of construction designs

The consultant will review and approve final drawings, electrical drawings, and any other required drawings from the selected contractor before the construction phase commences. The consultant will also be responsible for ensuring that all necessary permits are obtained at this stage as required.

3. Construction supervision

Phase I

- Material Approval:** The consultant will approve all the materials required for the works against the specifications given in the proposals and design requirements and approve in a predefined clear process. Records must be maintained in a proper manner and shared with the beneficiary. All approvals shall be arranged in a way not causing any delays to the Contractors works.
- Supervision:** The onsite supervisor shall keep daily records of weather, Contractor's staff on-site, equipment available on-site, the material available on-site, material brought to the site, work progress and keep a log of activities done each day. The onsite supervisor, with the help of the Civil Engineer, shall also ensure that the structures are built, and equipment installed in conformity with



the Contractual specifications, approved drawings, standards, and good engineering practices. The Engineer shall visit the site every 2 weeks during the construction period. During the supervision, if the consultant finds any defective work or work that does not conform to contract drawings and specifications, the work shall be rectified immediately. The consultant should check if all the necessary approvals and permits to carry out the works are obtained and kept updated by the contractor.

- c. **Coordination of works:** The Consultant will organize and direct the execution of the works, by defining compliance with programs and relations between stakeholders (Secretariat of the Dhiggaru Council /MoFMRA and contractors). Coordination will be ensured mainly by holding general monthly meetings, with managers of the Contractors and Secretariat of the Dhiggaru Council, and MOFMRA. In arranging these meetings, the Consultant is expected to maintain and circulate the minutes of such meetings.
- d. **Reviewing contractor reports and payment claims:** The consultants will review the contractors reports and review and sign off any payment claims from the contractors against the contract. The Consultants will also review requests for variations as required.
- e. **General Reporting to Secretariat of The Dhiggaru Council/MoFMRA:** The Consultants will assist the Secretariat of The Dhiggaru Council and MoFMRA in supplying information related to the design and works progress of the beneficiary and the government.
- f. **Review the ‘As-Built Drawings’:** The Consultants will review the ‘As-Built Drawings’ during the construction of works prepared by the Contractor
- g. Consider and evaluate the Contractor’s suggestions for modifications in drawings or specifications and report them to the Employer with recommendations
- h. Examine the Contractor’s proposals for changes and provide recommendations to the beneficiary for approval when changes incur costs and when require a variation work approval. Change which does not have any costs or quality may be approved by engineer and recorded in the monthly progress reports. Such changes shall be affected by written orders issued by Consultant.
- i. Certifying the completion of the works and issuance of Taking Over certificates
- j. Submission of a monthly report during the project implementation period. This report should be submitted within 3 working days of the end of each month, in a format agreed with the Employer. At the end of the consultancy service, a consolidated report summarizing the events shall be submitted.



Phase II

1. **Supervision during the Defect Liability Period of the contract:** the Consultant will carry out regular inspections (one inspection at least every 60 days) during the defects liability period and instruct accordingly to the contractors with regard to outstanding works and defects. After this period and satisfactory inspections, the final completion certificate will be issued.
2. **Defect Liability of the Consultants:** Secretariat of The Dhiggaru Council will be in charge of validating the result of the work of the Consultants against the targeted objectives. Any additional consultancy needed for corrective actions that may occur for reaching the objectives will be under the responsibility of the Consultant

3. Project Site:

The project site is at M. Dhiggaru

Project Consultancy Team

The following table provides the qualification criteria of the team members of the Consulting Firm. The Consulting Firm shall provide CVs and commitment letters of proposed team member(s) meeting the following requirements.

Structural Engineer	Qualifications. a. University degree in structural engineering discipline b. Minimum 7 years of experience in structural design. At least 4 years of experience as a Structural Engineer in civil works project.
	His/her responsibilities shall include but not be limited to: a. Responsible for review and approval of Detailed Design and making recommendations for improvement, providing any other information/recommendations necessary during the construction period, assessing the design, and obtaining the Client's approval. b. Responsible for construction supervision. c. Responsible for approval of materials and approval of "As-Built" drawings. d. Durability assessment and advice on the use of appropriate structural steel grades and specifications for corrosion protection.



	e. Durability assessment and advice on the use of appropriate concrete grades and specifications for the same.
Civil Engineer	Qualifications. a. University degree in civil engineering discipline b. Minimum 5 years of experience At least 3 years of experience in civil work projects.
	His/her responsibilities shall include but not be limited to: a. Review and approve of shop drawings for civil works. Supervision of all civil works;
Onsite Supervisor	Qualification a. Minimum 2 years' experience in construction industry
	His/her responsibilities shall include but not be limited to a. Maintain record of daily work log and accumulated delay b. Ensure the work is in conformity to contract drawings and specifications and report to the engineer of any defective works and rectify them immediately. c. Keep daily records of weather, Contractor's staff on-site, equipment available on site, the material available on-site, and material brought to the site and work progress.

All the consultancy team members should be Maldivians.

If the Consultancy firm is a foreign entity, the firm shall have an association with a local partner to facilitate all local requirements and logistics. The details of this party shall be provided with the proposal and association agreement. The consultant should not be involved as a lead partner or sub-consultant in the construction of the specified projects in the packages. If such a case arises, it would lead to the disqualification of the consultant from this consultancy.

Reporting Requirements and Time Schedule for Deliverables

The Consultant will report to and advise the designated official on behalf of the Employer, on all aspects of Project Implementation throughout the duration of the contract. All documents produced including but not limited to; should be submitted in soft copies. The Consultant shall ensure that

all the required reports for the project are prepared on time in accordance with the requirements of Employer.

The monthly progress report that the consultant prepare shall include:

- A brief description of work completed including versus planned progress; problems encountered and resolutions; and comments on the quality of work and Contractor performance.
- A section devoted entirely to an assessment of the impact of accumulated delays, if any, in the execution of initial rehabilitation works and a projected date for compliance with required service levels if this has not already been achieved. In the event that the projected date is later than a revised date which will result from approved time extensions, the report will include an evaluation of a contractor-proposed plan for corrective measures to be implemented to increase the rate of progress and meet the required targets. In addition, the effect of delays on the cost and timing of the Consultant's activities should also be assessed.
- A section devoted to reporting the status of Emergency Works and Work Orders issued to the Contractor, detailing the dates of notification and subsequent actions and the time and cost effects as assessed, where appropriate.
- Discussion on the compliance or otherwise with Service Quality Criteria and the penalties that may have been applied on the Contractor's certificate for the month.

Duration of the Assignment

The period of total engagement is expected to be **18 months** from the date of signing the consultancy agreement. Commencement of Consultancy work will start only upon receipt of suitable bids.

All costs associated with domestic logistics, travel and accommodation within the Maldives for the purposes of the consultancy assignment shall be borne by the Consultant.



Outputs and Deliverables, Schedule of Delivery and Payment

Note that payments will be based on actual time invested. All payments will be linked to successful delivery of services and outputs. The outputs to be delivered by the Consultant include, inter alia, the following:

Deliverables		
Output	Description	Deliverable
1	<i>Assist in the tendering process</i>	
a	The consultant assistance in tendering process (providing Tender clarifications, conducting pre-bid meetings) and tender evaluation process in providing assistance in carrying out the technical evaluation and preparing technical evaluation report for tender approval.	Tender clarifications, conducting pre-bid meetings, technical evaluation report
2	<i>Review and approval of construction designs</i>	
a	The consultant will review and approve final drawing, electrical drawings, and any other required drawings from the selected contractor before the construction phase is commenced. The consultant will also be responsible to ensure that all necessary permits are obtained at this stage as required.	Approval Reports
3	<i>Construction Supervision – Phase 1</i>	
a	<i>Material Approval:</i> The consultant will approve all the materials required for the works against the specifications given in the proposals and design requirements and approve in a predefined clear process. Records must be maintained in a proper manner and shared with the beneficiary. All approvals shall be arranged in a way not causing any delays to the Contractors works.	Approval Reports
b	<i>Supervision:</i> The onsite supervisor shall keep daily records of weather, Contractor’s staff on-site, equipment available on-site, the material available on-site, material brought to the site, work progress and keep a log of activities done each day. The onsite supervisor, with the help of the Civil Engineer, shall also ensure that the structures are built, and equipment installed in conformity with the Contractual specifications, approved drawings, standards, and good engineering practices. The Engineer shall visit the site every 2 weeks during the construction period. During the supervision, if the consultant finds any defective work or work that does not conform to contract drawings and specifications, the work shall be rectified immediately. The consultant should check if	Monthly Reports based on supervision

	all the necessary approvals and permits to carry out the works are obtained and kept updated by the contractor.	
c	<i>Coordination of works:</i> The Consultant will organize and direct the execution of the works, by defining compliance with programs and relations between stakeholders (Secretariat of the Dhiggaru Council /MoFMRA and contractors). Coordination will be ensured mainly by holding general monthly meetings, with managers of the Contractors and Secretariat of the Dhiggaru Council, and MOFMRA. In arranging these meetings, the Consultant is expected to maintain and circulate the minutes of such meetings.	Interparty Coordination, Monthly Meetings, Meeting Minutes
d	<i>Reviewing contractor reports and payment claims:</i> The consultants will review the contractors reports and review and sign-off any payment claims from the contractors against the contract. The Consultants will also review requests for variations as required.	Verification Reports
e	<i>General Reporting to SECRETARIAT OF THE DHIGGARU COUNCIL/ MoFMRA:</i> The Consultants will assist the SECRETARIAT OF THE DHIGGARU COUNCIL and MoFMRA in supplying information related to the design and works progress of the beneficiary and the government.	Monthly Reports
f	<i>Review the 'As-Built Drawings':</i> The Consultants will review the 'As-Built Drawings' during the construction of works prepared by the Contractor	Approval Reports
g	<i>Consider and evaluate the Contractor's suggestions for modifications in drawings or specifications and report them to the Employer with recommendations</i>	Written Reviews
h	<i>Examine the Contractor's proposals for changes and provide recommendations to the Employer for approval when changes incur costs. Change which does not have any costs or quality may be approved on-site and recorded in the monthly progress reports. Such changes shall be effected by written orders issued by Consultant</i>	Written Reviews
i	<i>Certifying the completion of the works and issuance of Taking Over certificates</i>	Work Completion Reports and Certificates
j	<i>Submission of a monthly report during the project implementation period. This report should be submitted within 3 working days of the end of each month, in a format agreed with the Employer. At the end of the consultancy service, a consolidated report summarizing the events shall be submitted.</i>	Monthly Reports
3	<i>Construction Supervision – Phase 2</i>	
a	<i>Supervision during the Defect Liability Period of the contract:</i> the Consultant will carry out regular inspections (one	Supervision and Reports

	inspection at least every 60 days) during the defects liability period and instruct accordingly the contractors with regard to outstanding works and defects. After this period and satisfactory inspections, the final completion certificate will be issued.	
b	<i>Defect Liability of the Consultants:</i> Secretariat of The Dhiggaru Council will be in charge of validating the result of the work of the Consultants against the targeted objectives. Any additional consultancy needed for corrective actions that may occur for reaching the objectives will be under the responsibility of the Consultant (unless these measures could not be identified at the detailed design stage or are not under the responsibility of the Consultants).	N.A

Note:

- At the stage of submitting the Proposal, the consultant must submit a financial proposal with the implementation plan for the delivery of all planned activities. The total sum quoted must be all-inclusive and include all cost components required to timely execute the deliverables outlined in the TOR, including all transport, accommodation, and any other applicable costs to be incurred by the consultant. No consultant should incur expenses without express authorization from the employer.
- All devices including those used for reports and meetings, and any other device required for delivery of services should be provided by the consultant.

Data, Services and Facilities to be provided by the Employer.

1. The Employer would provide all available data and information that would be relevant to this current assignment. Note that Consultants will be responsible for any needed translation of documents and processing of data. Employer will also provide all necessary and reasonable support to Consultant in collecting secondary data, such as issuing authorization letters.
2. Consultants will be responsible for all transport, accommodation, and for any other expenditure needed to take part in progress review meetings or management meetings. Consultants shall include all such costs in their financial proposal.

Reporting Requirements and Time Schedule for Deliverables

1. The Consultant will report to and advise designate official on behalf of the Employer, on all aspects of Project Implementation throughout the duration of the contract.
2. All documents produced including but not limited to; should be submitted in soft and hard copies where necessary .
3. The Consultant shall ensure that all the required reports for the project are prepared on time in accordance with the requirements of Employer.

Duration of the Consultancy

1. The duration of the consultancy shall be 18 months from the date of signature
2. Extensions to the consultancy should be sought from the Employer based on the real time work progress of the design and construction of the project

