Public Disclosure Authorized



# Sustainable Fisheries Resources Development Project (Fourth South West Indian Ocean Fisheries Governance and Shared Grow

SOUTH ASIA | Maldives | Environment & Natural Resources Global Practice |
IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 4 | ARCHIVED on 18-Apr-2019 | ISR36580 |

Implementing Agencies: Republic of Maldives, Ministry of Fisheries and Agriculture

## Key Dates

### Key Project Dates

Bank Approval Date: 11-Apr-2017
Effectiveness Date: 06-Jul-2017
Planned Mid Term Review Date: 17-Feb-2020
Actual Mid-Term Review Date: --
Original Closing Date: 31-Dec-2022
Revised Closing Date: 31-Dec-2022

## Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To improve management of fisheries at regional and national levels including support to establish mariculture in targeted atolls inthe Maldives.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

## Components

| Name |
|---|
| Augmentation of Institutional Capacity for Marine Fisheries Management:(Cost $3.77 M) |
| Support to Mariculture and Diversification of Fisheries:(Cost $12.44 M) |
| Project Management, Monitoring and Evaluation:(Cost $1.79 M) |

## Overall Ratings

| Name | Previous Rating | Current Rating |
|---|---|---|
| Progress towards achievement of PDO | ●Moderately Unsatisfactory | ●Moderately Unsatisfactory |
| Overall Implementation Progress (IP) | ●Moderately Unsatisfactory | ●Moderately Unsatisfactory |
| Overall Risk Rating | ●High | ●High |

## Implementation Status and Key Decisions

Implementation of the project has gained momentum since the last mission, and especially after November 2018. Procurement actions are nearing completion (two of the larger contracts awarded, three more contracts are in evaluation stage), and the only major remaining contract (multispecies hatchery) is expected to be advertised in April/May 2019. Following award of contracts, expenditure in the project has also picked up. Substantial training and capacity building initiatives on procurement and contract management were completed. There has also been considerable progress on studies and assessments related to marine fisheries.
It will be important to maintain the momentum of the recent months to recover the past delay and complete the project in time. Crucial actions in the next six months will be to: (a) start the first set of 5 to 20 pilot farms of grouper mariculture using fish seed from the Maniyafushi Research and Development Facility, (b) close attention and appropriate contract management of the civil works at Maniyafushi and Ga Matu, (c) award of the

design, build and operation contract for the multispecies hatchery, (d) oversight of the implementation of the Electronic Observer and vessel Locating Devices in the fishing vessels, (e) operationalization of the quarantine facility at Hulumale. MoFA will also need to ensure adequate and timely information flow to the Indian Ocean Tuna Commission (IOTC) to improve their compliance ratings.

## Risks

### Systematic Operations Risk-rating Tool

| Risk Category | Rating at Approval | Previous Rating | Current Rating |
|---|---|---|---|
| Political and Governance | High | High | High |
| Macroeconomic | High | High | High |
| Sector Strategies and Policies | Substantial | Substantial | Substantial |
| Technical Design of Project or Program | Moderate | Moderate | Moderate |
| Institutional Capacity for Implementation and Sustainability | Moderate | Substantial | Substantial |
| Fiduciary | Substantial | Substantial | Substantial |
| Environment and Social | Moderate | Moderate | Moderate |
| Stakeholders | Moderate | Moderate | Moderate |
| Other | -- | High | Substantial |
| Overall | Substantial | High | High |

## Results

### PDO Indicators by Objectives / Outcomes

To improve regional and national management of fisheries and support mariculture at targetted atolls

▸SWIO countries comply with IOTC resolutions for management of Tuna Fishery (Percentage, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 72.00 | 76.40 | 76.40 | 77.00 |
| Date | 15-Dec-2016 | 31-Mar-2018 | 31-Mar-2018 | 31-Dec-2022 |
| Comments: | Cumulative targets. IOTC undertakes a periodic (or annual) assessment of compliance of the countries to the updated IOTC resolutions for management of tuna fishery. | | | |

◢Compliance by Maldives to the IOTC regulations (Percentage, Custom Breakdown)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 78.00 | 76.00 | 76.00 | 83.00 |

| | | | | |
|---|---|---|---|---|
| Date | 15-Dec-2016 | 31-Mar-2018 | 31-Mar-2018 | 31-Dec-2022 |

▸Vessels complying with IOTC requirements on monitoring and reporting (Percentage, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 0.00 | 90.00 |
| Date | 30-Nov-2016 | 10-Nov-2017 | 29-Mar-2019 | 30-Jun-2022 |
| Comments: | Cumulative targets. Current fleet size is 1,100. Estimated that fleet size will remain at similar level. Achievements of the targets are linked to procurement of the contract for the vessel locating devices. The contract is expected to be signed in May 2019, and actual installation will start by December 2019. The targets are likely to be achieved over an eighteen months period ending in June 2021 | | | |

▸Value of production from mariculture supported by the project (Amount(USD), Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 0.00 | 9,000,000.00 |
| Date | 30-Nov-2016 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | Cumulative targets. Price data will be the based on the regular market surveys (Hong Kong and Singapore).<br>Actual measurement of target will commence once the 20 pilot farms start the production. Considering these will farms will start by September 2019, the first production can be measured by June 2020. The larger number of farms are linked with the operation of the multispecies hatchery, and significant production volumes are expected only by June 2021. | | | |

▸Direct project beneficiaries (Number, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 55.00 | 1,800.00 |
| Date | 30-Nov-2016 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | Direct beneficiaries are people or groups who directly derive benefits from an intervention (i.e., children who benefit from an immunization program; families that have a new piped water connection). Please note that this indicator requires supplemental information. Supplemental Value: Female beneficiaries (percentage). Based on the assessment and definition of direct project beneficiaries, specify what proportion of the direct project beneficiaries are female. This indicator is calculated as a percentage. Tracking actual direct project beneficiaries will start after: (a) commencement of installation of vessel locating devices and electronic observer systems on the fishing vessels, and (b) commencement of mariculture farming. Both are scheduled to start on or before December 2019. As of now the figure of 55 includes citizens who are either employed or have received substantial training. | | | |

◢Female beneficiaries (Percentage, Custom Supplement)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 38.18 | 20.00 |

▸Share of target beneficiaries with rating □□"Satisfied"□□ or above on project interventions (Percentage, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 0.00 | 80.00 |
| Date | 30-Nov-2016 | 10-Nov-2017 | 10-Nov-2017 | 31-Dec-2022 |
| Comments: | Cumulative targets. Beneficiaries of the project include: (1) households who receive support from the project to start mariculture out-grower farms; (2) persons employed in activities and enterprises supported by the project; (3) the professionals who receive enhanced skill training from the project; (5) community members who receive capacity building through substantial training, or through direct exposure to the project activities; and (5) persons employed in value chains created by the activities supported by the project. Each household, where supported, will be assumed to be constituted by 5.9 persons. Data will be disaggregated by gender and age group cohorts. The perception survey in Year 1 (even if all beneficiaries are not identified) will establish baseline.<br>A perception survey of direct beneficiaries is delayed owing to lack of clear milestones for signing contracts. Given that most contracts will be in place by May 2019, a perception survey will be taken up during July-August 2019. | | | |

## Intermediate Results Indicators by Components

### Augmentation of Institutional Capacity for Marine Fisheries Management

#### ▸Provision of support to the Island Countries to improve therir negotiation capacity within IOTC (Yes/No, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | No | No | Yes | Yes |
| Date | 30-Nov-2016 | 10-Nov-2017 | 29-Mar-2019 | 30-Jun-2022 |
| Comments: | Annual targets. Supporting the capacity will include convening, organizing and facilitating joint negotiation stance (described in a joint draft) prior to each IOTC annual meeting.<br>MoFA has organized and supported the G16 Coastal States Meeting on Allocation Principles at Seychelles in February 2018 prior to the IOTC Annual Session in May 2018. A second meeting of the G16 Coastal States was organized at Cape Town, South Africa on October 13-14, 2018 (following the SWIOFC meeting at Cape Town, to optimize expenses), and a third meeting at Male, Maldives on January 13-14, 2019. | | | |

#### ▸IOTC Compliance Support Mission completed in Maldives (cumulative) (Number, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 2.00 | 5.00 |
| Date | 01-Feb-2017 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | Cumulative targets.<br>The 2017 IOTC mission was completed. The 2018 mission was virtual given the visit restriction to Maldives in the period leading up to the national elections. | | | |

#### ▸Key policy or legal instruments updated in Maldives (Number, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 1.00 | 2.00 |

| | | | | |
|---|---|---|---|---|
| Date | 01-Feb-2017 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | Annual targets. These may include: (i) Fisheries Policy; (ii) Revision of relevant policies to meet UNCLOS requirements: (iii) marine zoning; and (iv) any relevant management plans.<br>The Fisheries Bill has been drafted and revised, and submitted to Parliament for consideration. This, once approved by the Parliament, will replace the 1987 Fisheries Act. Drafts for 6 other regulations (the rules of fisheries and aquaculture licensing, the rules for yellowfin tuna longline fisheries, the regulation of quota release for high seas yellowfin tuna fisheries, the regulation of the massive yellowfin tuna fisheries and export, the rules for grouper fisheries and export, and the rules for licensing farmhouse fishing) are also completed. | | | |

▸Vessels inspected under MCS (Number, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 0.00 | 1,100.00 |
| Date | 30-Nov-2016 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | Cumulative targets. Vessels in the entire fleet are expected to be inspected.<br>Achievements of the targets are linked to procurement of the contract for the vessel locating devices, expected to commence in December 2019, and achieved fully by around June 2021. | | | |

▸Fishing Trips covered with Electronic Observation (Number, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 0.00 | 6,000.00 |
| Date | 01-Feb-2017 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | Annual targets. As per IOTC recommendations 5% of all fishing trips (total trips are 100,000 per year).<br>Achievements of the targets are linked to procurement of the contract for the electronic observer systems. The actual observation, after pre-trial period after installation, say by January 2020, and achieved fully by December 2020. | | | |

## Support to Mariculture and Diversification of Fisheries

▸Viability demonstrated for out-grower farms of sea cucumber (or other species equivalent in value) (Number, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 100.00 | 100.00 | 100.00 | 250.00 |
| Date | 01-Jul-2017 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | Cumulative targets. Number of grow-out farms (at household level) that become viable (when annual operating cost is not more than 70 percent of the value of annual production). The baseline of 100 is the number of grow-out of sea cucumber that is supported by the MEDeP project (which were financed by the end of 2017).<br>Sea cucumber production is already seen to be viable, as at least one large private sector farm has started producing and exporting sea cucumbers in 2018. They are also ramping up the production. An evaluation of the IFAD-financed MEDeP Project is awaited. | | | |

▸Viability demonstrated for out-grower farms of groupers (or other species equivalent in value) (Number, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 0.00 | 200.00 |
| Date | 30-Nov-2016 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | Cumulative targets. Number of grow-out farms (at household level) that become viable (when annual operating cost is not more than 70 percent of the value of annual production).<br>The first batch of production is expected in June 2020 from the up to 20 pilots starting in September 2019.The major portion of the target is linked to operation of the multispecies hatchery and can be realized only in Years 4 and 5 of the Project. | | | |

▸Production of fingerlings by the hatchery (Number (Thousand), Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 0.00 | 2,000,000.00 |
| Date | 30-Nov-2016 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | Annual targets.<br>The actual production of fingerlings from the multispecies hatchery will take between 12-15 months from start. Therefore, expected start of production of fingerlings is January 2021, if the contract is signed in September 2019. | | | |

▸Out-grower mariculture farms receiving extension services. (Percentage, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | 0.00 | 0.00 | 0.00 | 90.00 |
| Date | 30-Nov-2016 | 10-Nov-2017 | 29-Mar-2019 | 31-Dec-2022 |
| Comments: | The project is creating the entire extension services for mariculture (not in place currently).<br>Staff augmentation, capacity building and training for creation of the extension service has started.<br>Extension service should have adequate capacity by December 2020 prior to start of the 200 mariculture firms (scheduled start in January 2021).<br>Currently, all 112 out-grower farms receiving extension service. But substantial handholding is for about one-third only. Overall number is very small, and does not reflect the challenges that the proposed extension service (by the Mariculture Division of MoFA should provide). | | | |

## Project Management, Monitoring and Evaluation

▸Financial management, accounting and procurement systems set up in the PMU (Yes/No, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | No | Yes | Yes | Yes |
| Date | 01-Apr-2017 | 20-Aug-2018 | 29-Mar-2019 | 31-Dec-2022 |

▸Financial reports and audit reports submitted without delay (Yes/No, Custom)

| | Baseline | Actual (Previous) | Actual (Current) | End Target |
|---|---|---|---|---|
| Value | No | Yes | Yes | Yes |

| | | | | |
|---|---|---|---|---|
| Date | 01-Apr-2017 | 20-Aug-2018 | 29-Mar-2019 | 31-Dec-2022 |

## Data on Financial Performance

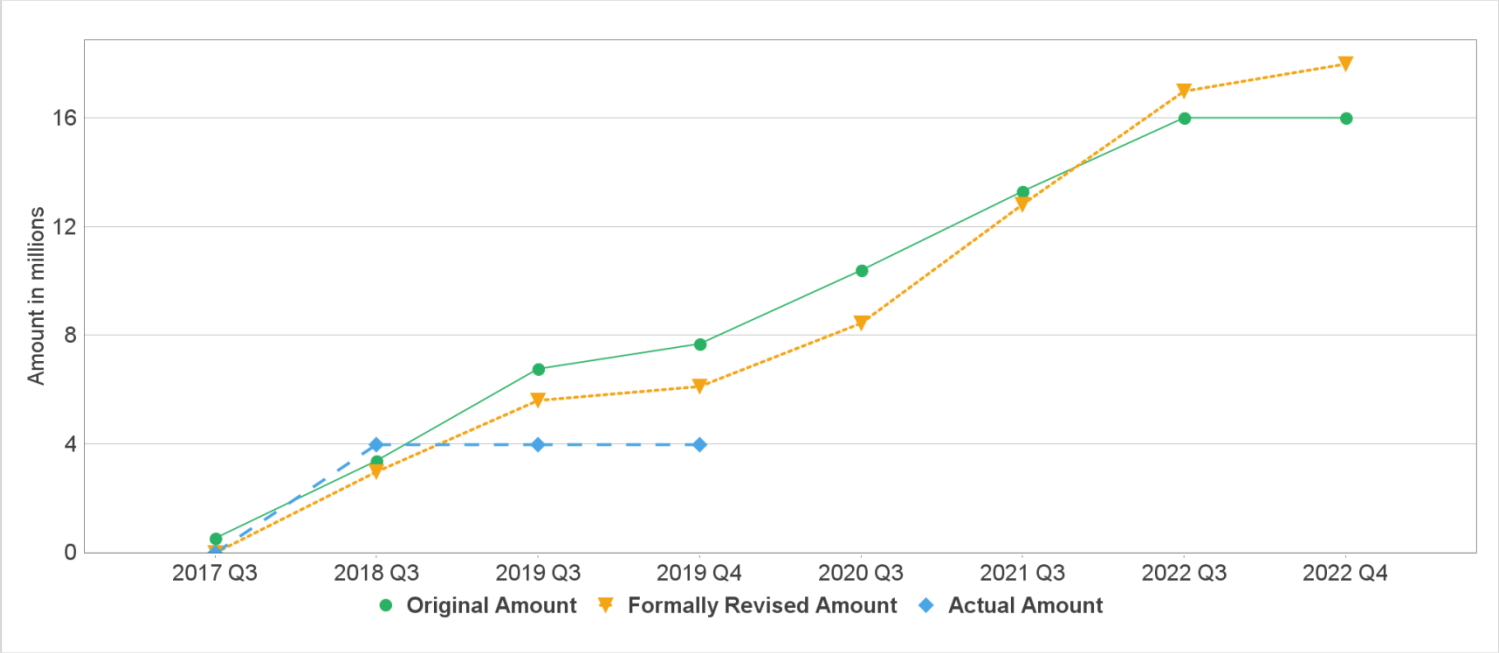
### Disbursements (by loan)

| Project | Loan/Credit/TF | Status | Currency | Original | Revised | Cancelled | Disbursed | Undisbursed | % Disbursed |
|---|---|---|---|---|---|---|---|---|---|
| P157801 | IDA-D1750 | Effective | USD | 18.00 | 18.00 | 0.00 | 3.97 | 14.62 | 21% |

### Key Dates (by loan)

| Project | Loan/Credit/TF | Status | Approval Date | Signing Date | Effectiveness Date | Orig. Closing Date | Rev. Closing Date |
|---|---|---|---|---|---|---|---|
| P157801 | IDA-D1750 | Effective | 11-Apr-2017 | 14-Jun-2017 | 06-Jul-2017 | 31-Dec-2022 | 31-Dec-2022 |

### Cumulative Disbursements



## Restructuring History

Level 2 Approved on 03-Jun-2018

## Related Project(s)

There are no related projects.