

Terms of References

Introduction

Contract type: Desk based – field work

To serve as Technical Advisor for WWF-Pakistan's Marine Program activities such as gear modification, observer data analysis, strategic documents, and support in developing project proposals, facilitate implementation, development of project reports, scientific publications, awareness materials, in addition to supporting Pakistan government to improve its compliance to international agreements while advocating and lobbying government and non-government stakeholders for improved fisheries management.

Background:

Pakistan has a coastline of 1,050 Km, and an EEZ of approximately 290,000 sq. Km with the territorial waters covering an area of 24,000 sq. km. It borders the productive North Arabian Sea and is famous for its upwelling phenomenon. The continental shelf of Balochistan only measures 15-40 Km, which makes it dynamic in the fisheries sense and provides livelihood opportunities for fishers residing along the coast of Pakistan. The coast of Balochistan is comprised of sandy beaches, whereas the Sindh coast is comprised of creeks and continental shelf is shallow unlike Balochistan which is steep. Both the coastlines support a wide variety of marine species. The Balochistan and Karachi coast are famous for nesting sites of green turtles, where around 140 species of elasmobranchs (Sharks, rays, skates and guitarfishes) and 19 species of cetaceans have been recorded from Pakistan's waters. This showcases the rich marine resources of Pakistan and its potential of supporting livelihoods of around 1 million.

Fisheries are the major economic resource and comprise of around 1% of GDP of Pakistan. It is being exploited unsustainably and has severe pressure, with increasing vessel numbers operating in the Northern Arabian Sea and resource practices it is important to put a cap on the exploitation of these resources. Although Pakistan's fishing fleets are mostly small scale in nature, there is no regulation and the practices of artisanal fishers are at risk. In order to better understand the nature of artisanal fishers and their use of bait in fisheries it is important to encompass knowledge and management efforts to secure the vested interests of artisanal fishers.

The Task

The scope of this consultancy is to provide technical advice and expertise on the project activities for areas beyond national jurisdiction initiative supported by GEF/FAO and Common Oceans, but not limited to it. Under the ABNJ initiative it is deemed necessary to develop and regulate strategy on observer program and for ensuring that tuna action plans are developed and shared with relevant stakeholders. Accordingly, the consultant will prepare reports, scientific publications, NPOA-Tuna, awareness materials, and conduct/moderate dialogues at the national and provincial level from the tasks which are proposed as under (this can be amended in discussions with the consultant):

- Provide technical input in developing crew-based observer program and scaling up the observers (numbers) by 15%
- To provide technical expertise and knowledge for improved fisheries management
- To undertake gear modification of tuna gillnet vessels
- Develop feasibility report of gear modification
- Undertake pilots/trials for bycatch reduction
- To develop scientific publications on tuna fisheries of Pakistan
- To develop scientific publications on bycatch of tuna gillnet fisheries of Pakistan
- Undertake observer data analysis and provide summary reports and updates to regional head and senior director programmes, WWF-Pakistan
- Facilitate in implementation of electronic monitoring systems and reporting systems onboard tuna gillnet vessels
- Facilitate in scaling up of AIS onboard tuna vessels
- Support development of MPA network in Pakistan
- To advocate and lobby with government and non-government stakeholders for adopting robust conservation management measures
- To develop content and designs for awareness material
- Conduct trainings and build capacity of observers collecting data on-board tuna gillnet vessels
- Provide input and technical expertise to other projects of WWF where applicable
- To advocate and lobby with government and non-government stakeholders for adopting robust conservation management measures
- To lobby with concerned stakeholders to help pilot new MCS technologies

Specific Deliverables

The consultant is expected to provide the following services deliverables, which must include but are not limited to the following:

- Gear modification of at least 2 gillnet vessels to longline
- Quarterly reports on the progress of marine program covering FY18
- 3 Scientific publications on tuna and tuna like species including bycatch
- 2 NPOA for concerned species (sharks, cetaceans, sea turtles)
- Representation of WWF-Pakistan marine programme in at least two international fora
- Develop at least 2 Project proposals
- Develop at least 2 awareness materials pack for sharks/cetceans

Requirements for experience and qualifications

Minimum Requirements

- Education: Degree in fisheries, marine biology, environmental related studies and some experience on trainings and capacity building
- Experience of and knowledge of fisheries sector
- Good understanding of fisheries related issues

- Excellent writing skills and fluency in English

Competencies

- Demonstrates openness to change and ability to manage complexities
- Demonstrate abilities of analytical work and excellent report writing
- Proactive and able to work with minimal supervision and high degree of initiative, reliability, flexibility, motivation and resourcefulness
- Professionalism, flexibility to make ad-hoc changes as and when the need arises, ability to perform under stress, willingness to keep flexible working hours

Documents to be included when submitting the proposal

Interested individual consultants must submit the following documents/information to demonstrate their qualifications:

- Proposal (i) explaining why they are the most suitable for the work, (ii) provide brief methodology on how they will approach and conduct the work
- Financial proposal (including fee, travel cost, (if any) and other relevant expenses)
- Curriculum vitae