

Terms of Reference (ToRs)

Title: Consultancy for Installation of Gears and Machinery for Conversion of Gillnet Vessels to Longline Operations and Associated Capacity Building

Application Submission: Interested consultants should submit the Proposal on the Application Form Available Online or can access through the following Link: <https://forms.gle/Mr6EeFsPHYYtky9F9>

To: fakhan@wwf.org.pk

Duration: Approximately 4 - 6 weeks, including mobilization, installation, training, and follow-up.

Location: Karachi, Pakistan (Boat conversions at designated harbour/fishing port)

1. Background

WWF-Pakistan, under the FAO-GEF project (GCP/GLO/1000/GFF), is piloting the conversion of tuna gillnet vessels to longline operations as a bycatch mitigation strategy to enhance sustainable tuna harvesting practices. The organisation seeks to convert existing gillnet vessels into longline-capable boats. The selected consultant will lead the technical conversion of 10 gillnet vessels and provide operational training and post-installation support to fishing crews. The intervention aims to promote sustainable tuna fishing, reduce interactions with endangered, threatened, and protected (ETP) species, and enhance catch value.

2. Objectives

- To install hydraulic haulers and associated components on 10 identified and selected vessels.
- To prepare an instructional manual for longline gear installation and operation.

3. Scope of Work:

The consultant/ Engineering Works firm or its designated technical team shall be responsible for the following:

a) Technical Installation (for 10 boats):

- Mobilization of the installation equipment and other gadgets
- Prepare and mount timber/fibre benches for hydraulic units.
- Modify main engine pulleys for hydraulic pump integration.
- Assemble and align the hydraulic pump unit with belts.
- Install and connect hydraulic tank, suction lines, cooler, and hoses.
- Construct and install control and roller units.
- Improve the fish storage with fibre coating.
- Commission, start, and test the fully installed systems.

b) Training and Capacity Building:

- Conduct classroom sessions (2 max) on longline fishing operations, including:
 - Gear installation and operation
 - Maintenance of the installed instruments/gears
- Conduct practical on-board training sessions for the operation of machinery/gears.

c) Development of Technical Manual

- Develop a comprehensive Longline Installation & Operations Manual in English for vessel owners and crew detailing step-by-step procedures for installation, gear setup, safe operation, and maintenance

d) Post-Installation Support

- Monitor gear function and performance post-installation.
- Conduct minor repairs and ensure the proper functioning of the installed system or adjustments as needed.

4. Deliverables

- Successful conversion of 10 gillnet boats into operational longline vessels.
- At least two (2) training sessions (classroom + on board practical).
- One illustrated and professionally formatted longline gear installation and usage manual.
- Post-installation review report including feedback, recommendations, and repair logs.

5. WWF-Pakistan's Responsibilities

- Introduce the boat owner and provide support in the modification of the boat.
- Will help in the preparation of the requirements for each boat
- Will help in the procurement of minor supplies for modification through the owner of the boat.
- Will help in the procurement of any supply accessories and consumables (e.g., oil, pulleys, V-belts, hoses, clamps) through the owner of the boat
- Ensure the site safety

6. Timeline and Payment Terms

- Mobilisation: Within 1 week after signing the agreement and advance payment.
- Installation period: 10–20 days
- Payment Schedule:
 - 20% Advance
 - 10% on completion of 1st boat
 - 10% on completion of 2nd boat
 - 10% on completion of 3rd boat
 - 10% on completion of 4th and 5th boats
 - 10% on completion of 6th and 7th boats
 - 10% on completion of 8th and 9th boats
 - 20% on completion of 10th boat and completion of other task

7. Qualifications of Consultant

- Qualified and trained staff that may be engaged in conversion process
- Expertise in marine hydraulic systems, and training
- Ability to deliver manuals and technical documentation
- Proven track record in converting vessels for longline fisheries will be preferred

8. Reporting & Supervision

The consultant will report to WWF-Pakistan's Karachi Regional Head and will coordinate closely with the project focal person in Karachi.

Budget:

Remuneration: 2,400,000/- inclusive of tax as per government rules.