

Practical ACTION

Enhancing Food Security and Resilience of Rural Communities in Sudan (EFSR Project)

Terms of Reference (TOR)-2

Agricultural Machinery (tractors, planters, harvesters) to access mechanization equipment to boost productivity and reduce labour intensive tasks.

Activities duration: July 2026

1. Background

Agriculture is a key sector for economic growth, but low productivity due to labor-intensive tasks and a lack of modern equipment hinders its potential. The use of agricultural machinery, such as tractors, planters, and harvesters, can significantly increase output, reduce production costs, and free up labor for other activities. This project aims to address these challenges by providing access to essential mechanization equipment.

2. Introduction of the Project

The *Enhancing Food Security and Resilience of Rural Communities–Sudan (EFSR) Project* is a vital initiative implemented by Practical Action in collaboration with its partners. The project aims to contribute to sustainable livelihoods and improved food security for rural communities in Kassala and Gedarif States, particularly those most affected by food insecurity, climate change, and conflict-related disruptions.

These communities face multiple, interlinked challenges that threaten their ability to maintain stable and productive livelihoods. In response, the EFSR Project focuses on building resilience by promoting inclusive, sustainable, and climate-adapted agricultural systems that can withstand environmental and economic shocks.

The specific objective of the project is to sustainably increase the productivity and profitability of smallholder agriculture and livestock through the development of nutritious short value chains. This is achieved by introducing and supporting the adoption of agroecological practices tailored to the realities of climate change in the region.

Through this approach, the project seeks not only to improve food availability and income generation for vulnerable households but also to strengthen the long-term resilience and adaptive capacity of rural communities across Kassala and Gedarif States.

3. Objectives of the Assignment

- Increase agricultural productivity: To achieve higher crop yields and efficiency by modern machinery.
- Reduce labor intensity: To automate or simplify labor-intensive tasks like plowing, planting, and harvesting.
- Improve timeliness of operations: To ensure farming activities are completed within optimal planting and harvesting windows, minimizing crop loss.
- Enhance farmer income: To boost profitability by reducing operational costs and increasing

4. Objective of the Procurement

The objective is to acquire durable, efficient, and cost-effective agricultural machinery that meets international quality standards, environmentally friendly and suitable for the agro-ecological conditions of Gedarif State.

5. Scope of Supply

The supplier shall provide the following machinery and related services:

Machinery to be supplied

1- 75 HP Agricultural Tractor – Quantity: 1

Implementation Plan

1. Needs Assessment: Conduct a survey to determine the specific machinery requirements of local farmers.
2. Procurement: Identify and select reliable suppliers for the agricultural machinery.
3. Training: Develop and deliver comprehensive training programs on the operation, maintenance, and safety of the equipment.
4. Monitoring and Evaluation: Set up a system to track the impact of the machinery on productivity, income, and labor use.

Expected Outcomes:

- Increase in crop yields within the first two years of the project.
- Reduction in lab or time for land preparation and harvesting.
- Increase in the average income of participating farmers.
- Improved knowledge and skills among farmers in the use of modern agricultural technology.

6. Documentation Required

The supplier must submit:

Detailed technical specifications of each machine

Brochures and catalogues

Price quotation (SDG)

Delivery schedule

After-sales service plan if available

Payment terms (e.g., 40% advance, 60% upon delivery/inspection)

Penalties for delays

Warranty terms

7. Submission Details

Deadline: within 2 weeks after signing the contract

Contact person: Logistic and PM