



Federal Democratic Republic of Ethiopia

Ministry of Water and Energy

Ethiopia Flood Management Project

TERMS OF REFERENCE

Consultancy Service for Conducting Mid-Term Evaluation on Ethiopia Flood Management Project

Project ID: P176327
Name of Project: Ethiopia Flood Management Project (Et-FMP)
Organization: Federal Government of Ethiopia
Ministry of Water and Energy (MoWE)
Project Implementers MoWE, EDRMC & EMI
Venue: Haile Gebreselassie Road,
Addis Ababa, Ethiopia

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Addis Ababa, Ethiopia

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Acronyms

DRM	Disaster Risk Management
EDRMC	Ethiopian Disaster Risk Management Commission
EMI	Ethiopian Meteorological Institute
ET-FMP	Ethiopian Flood Management Project
FEWSs	Flood Early Warning Systems
FMP	Flood Management Project
GoE	Government of Ethiopia
IFRM	Integrated Flood Risk Management
MoWE	Ministry of Water and Energy
MoUDI	Ministry of Urban Development and Infrastructure
PDO	Project Development Objective
PMU	Project Management Unit
PCU	Project Coordination Unit
PIU	Project Implementation Unit
PAD	Project Appraisal Document
POM	Project Operation Manual
USD	United States Dollar

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1. Project Background

1.1 Introduction

The development objective of the Flood Management Project for Ethiopia is to strengthen Ethiopia's institutional capacity for disaster risk management (DRM), and flood risk management in selected basins. The project comprises of four components.

The first component, strengthening institutional and coordination capacity for disaster risk management aims to improve the Government of Ethiopia (GoE) DRM by strengthening the institutional capacity of federal-level agencies (including priority sectors) and the coordination between federal and decentralized levels of the government.

The second component, accelerating flood risk management aims to accelerate flood risk management by investing in physical infrastructure to reduce flood risks, strengthening hydromet services and impact-based flood early warning systems (FEWSs), increasing community-level preparedness and awareness, and providing technical assistance and capacity building to facilitate integrated flood risk management (IFRM). It consists of following sub-components: (i) basin-level flood risk reduction investments; (ii) hydromet services and impact-based flood early warning systems; (iii) community-level flood preparedness and awareness raising; and (iv) strategic studies for future investments and capacity building for urban flood risk management.

The third component, contingent emergency response supports the implementation of the World Bank's global crisis response framework (GCRF), pillar 3, strengthening resilience, as it provides the opportunity to reallocate funds to quickly respond in the event of an emergency or crisis.

The fourth component, project management and implementation support aim to ensure the successful implementation of the activities carried out under the project.

The project will have an **impact on** social and economic losses because of flood induced disasters reduced. The project will have the following **outcome**: resilience of communities to flood risks of selected river basins in the project intervention basins. In general, the project aims to achieve four medium-term outcomes toward the longer-term objective of increasing Ethiopia's climate and disaster resilience:

- i. Strengthening DRM institutional capacity and coordination;
- ii. Reducing people's flood risk;
- iii. Reducing flood risk for land; and

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iv. Increasing the number of people who can act to protect their lives, livelihood, and property based on flood early warnings.

The achievement of the PDO will be monitored and measured through the following **key results indicators**, which will be disaggregated by gender, where applicable:

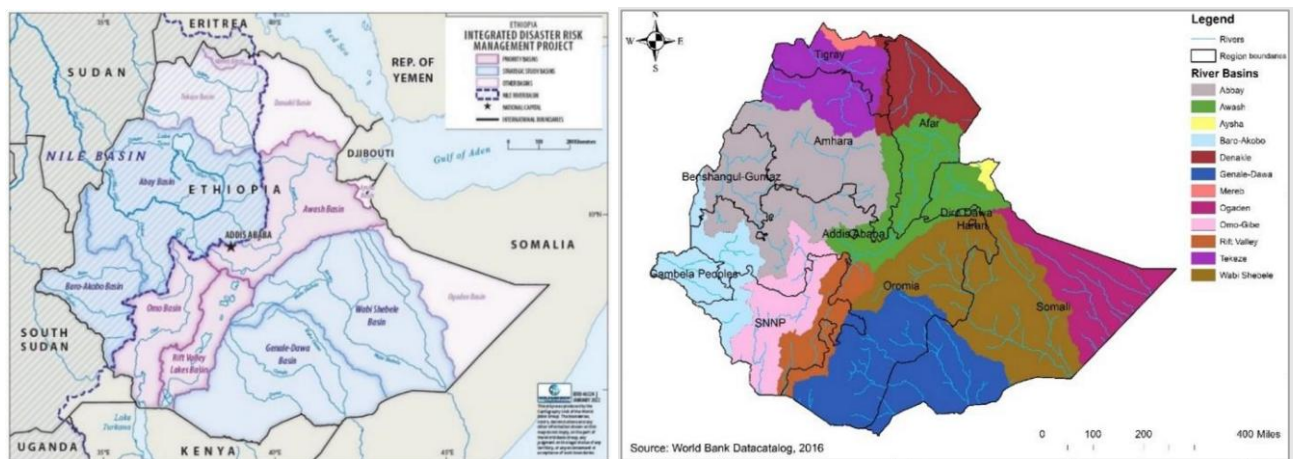
- i. Strengthened institutional and coordination capacity for disaster risk management (qualitative, climate change adaptation);
- ii. 635,000 People benefiting from reduced risks from floods (number, gender disaggregated, and climate change adaptation); from Prioritized basin Awash River, Rift Valley Basin and Omo Gibe.
- iii. 800 km² Land area benefiting from reduced risks from floods (area, climate change adaptation); and
- iv. 410,000 People benefiting from impact-based flood early warnings (number, gender disaggregated, and climate change adaptation).

1.2 Purpose

The purpose of this MTE is to assess the overall performance of the project and its progress toward achieving the development objectives. It will also assess the efficiency and effectiveness of Project design and implementation and highlight the need for any adjustments. An independent consultant will be contracted by the PMU to conduct the mid-term evaluation for the ET-FMP. With the full participation of the government of Ethiopia, the World Bank will lead the Project mid-term and completion reviews. The Project MTE will also conduct an impact evaluation to capture the learning and efficacy of the project intervention.

The MTE will conduct on priority basins (Awash Basin, Omo Basin, and Rift Valley Lakes Basin)

Right – Overlay of administrative regions and river basins in Ethiopia ⁵¹



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Figure 1 Left- Target basins of the FMP- priority basins (purple) and strategic study basins (blue)

2. Objective

2.1 General Objective

The project aims to mitigate the impact of floods through various measures such as infrastructure development, community awareness programs, and policy interventions. As part of project management, it is crucial to conduct a Mid-Term Evaluation (MTE) that is to assess progress towards the achievement of the project objectives and outcomes as specified in the Project Operation Manual (POM). ***It will assess early signs of project success or failure in order to identify adjustments to achieve its intended outcomes or results.***

2.1.1 Specific Objectives

This Mid-Term Evaluation will assess at a minimum:

- Outputs and outcomes of the project activities implemented from the Inception to first half of the project's term;
- The quality of implementation, including stakeholders engagement, financial and risk management;
- Assumptions made during the preparation phase, in particular, objectives and agreed upon indicators, against current conditions;
- Factors affecting the achievement of objectives, and;
- M&E systems and their implementation.

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2.2 Scope of Work:

The MTE conducting consultant firm will assess the following four categories of project progress.

I. Project design and relevance

To review the extent to which the objectives of a project intervention are consistent with the beneficiaries' request & country policies.

II. Effectiveness

The extent to which the project objectives were achieved, or are expected to be achieved, taking into account their relative importance at the Regional, National and local levels and considering the mandate of key FMP implementers involved in the management of floods.

III. Efficiency

In this section, it will be important to measure how economically resources/inputs (funds, expertise, time, human resources etc.) are converted to results.

IV. Sustainability

This category looks into the potential of the continuation of benefits from the project intervention as well as the probability of continued long-term benefits out of it. In the case of the ET-FMP, it is important to look at how sustainability has been addressed in the early stages of the project design.

3. Assessment area

The baseline survey is to assess the current situation and establish key indicators for monitoring and evaluation purposes in the following specific woredas.

- Awash basin,
- Omo basin &
- Rift-Valley lakes basin that are flood prone areas

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4. Mid-term evaluation approach and methodology

The MTE must provide evidence-based information that is trustworthy, reliable and useful. As a first step, the MTE conducting consulting firm will review all relevant sources of information including documents prepared during the project preparation phase such as the PAD, POM, implementation plan, the inception workshop report, as well as; the project technical and financial reports.

Secondly, the MTE consultant is expected to explain its methodology clearly and specifically.

All relevant data should be sex-disaggregated and different needs of women and men and vulnerable groups should be considered throughout the evaluation process.

4. Expected Results

The MTE report will highlight progress made, issues requiring decisions and actions and present initial lessons learned about project design, implementation, and management as well as case story from the last year 2016 & 2017 EFY rainy seasons fast track works conducted in Awash, Rift Valley & Omo Basins. Findings of the review and action suggested will be incorporated as recommendations for the second half of the project's term to ensure that the project stays on track and achieve the deliverables and objectives.

5. Data collection

5.1 Primary Data

The consultant firm is expected to collect **Primary Data** focusing on **output-level progress** (e.g, number of beneficiaries, embankment work built, crops or other farming cultivated after the intervention, number of trainings conducted, etc).

Surveys and Questionnaires: Use structured questionnaire to gather quantitative data from a large number of respondents. This can include FMP implementers, basin administration offices, relevant regional bureaus, woreda administration & household's interview to understand the changes & impact of floods on communities.

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Interviews: Conduct in-depth interviews with key informants such as local leaders, government officials, and experts to gather qualitative insights.

Focus Group Discussions: Organize discussions with different community groups to explore their experiences and perceptions about flooding. This helps in understanding the social and cultural context.

Observations: Directly observe the flood-prone areas to collect data on environmental conditions, infrastructure, and community behavior during floods.

6.2 Secondary Data Collection

The consultant firm is expected to collect **Secondary Data**

Existing Reports and Studies: Review previous research, government reports, and academic studies related to flood management and the specific area of interest.

Statistical Data: Use data from national statistics offices, MoWE, Ethiopian meteorological departments, Ethiopian disaster Risk management commission and other relevant organizations to gather historical data on floods, rainfall, flood early warning system Emergency Preparedness and Response and population demographics.

Existing records: Look for government reports, surveys, or studies conducted by other organizations that might serve as a rough baseline.

Pre-intervention data: Any initial assessments that can be use them as a reference.

Comparison groups: Compare project beneficiaries with a similar non-beneficiary group (quasi-experimental design).

Recall conditions before the intervention: Ask beneficiaries or stakeholders to explain the situation before the intervention.

6 Deliverables

The consulting firm will prepare the following formal reports, in addition to any necessary working papers or reports required for the preparation of the project:

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Table 1: Deliverables

Report	Description	Due Date
Inception Report	The consultancy service will deliver survey methodology outlining the approach, tools, and sampling strategy. The report will be based on discussions with MOWE, EDRMC, EMI, MOUDI and other stakeholders. The Consultant shall propose a clear approach for carrying out the tasks, methodologies required, deliverables and timeline. The Consultant shall review the existing information from PAD, POM, and other documents and reports to identify gaps and make specifications of the surveys necessary for filling information gaps.	The Consultant shall submit an Inception Report within 5 days. All the reports are to be submitted in 3 hardcopies along with e-copies
Data Collections	Recruitment and training of field data collectors	3 days
	Actual data collection	15 days
	Data Analysis and Draft Survey Report	5 days
	Final Research Report	15 days
Survey Report	The consultancy will deliver fieldwork report summarizing observations, interviews, and data collection activities. In addition, consultant will produce baseline survey report including analysis of findings, key indicators, and recommendations.	The Consultant shall submit the fieldwork report within 25 days after the submission of the inception report.
Final Report	The consultancy will submit final baseline report and presentation of findings to project stakeholders and World Bank representatives.	The Consultant shall submit the final report within 20 days after the submission of the fieldwork report.

7 Duration

The consultancy service is expected to commence on November and conclude by January, with a total duration of Three months.

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8 Qualifications

The consultancy firm should possess the following qualifications:

- Extensive experience in conducting baseline surveys and monitoring and evaluation activities, preferably in flood management or related fields.
- Demonstrated expertise in survey design, data collection, and analysis methods.
- Familiarity with international standards and best practices in project monitoring and evaluation.
- Strong analytical and report writing skills.
- Previous experience working with international development agencies, particularly the World Bank funded projects, would be an advantage.

9 Experts composition

A multidisciplinary team of technical experts are required to ensure comprehensive data collection, analysis, and interpretation. The key technical experts needed include at least a PHD OR Master's degree in Hydrology, Water Engineering/Water Resource Engineering, Environmental Sciences, Gender and Development, Sociology, Economics, Demography, Geography & GIS & Monitoring & Evaluation. Moreover, the team shall have at least 10 years' experience of conducting large-scale MTE surveys related to Flood Risk Protection, Basin level studies, Environment Protection, and Livelihoods etc.

S.N	Position	Qualification and experience
1	Team Leader	Minimum MSC in Soil and Water Conservation Engineering, Irrigation Engineering, Hydraulics engineering, Agricultural Engineering and other relevant fields with a minimum of 10 years relevant experience. Experience in socio – economic surveys and impact studies is preferred
2	Deputy Team Leader/Project Management Specialist	Minimum MSC in Project Management, Evaluation, Econometrics, Development studies, Rural Development, development economics, agricultural economics, and other related fields
3	Agricultural/Civil Engineer	Minimum MSC in Civil engineering, WASH, Soil and Water Conservation Engineering, Irrigation Engineering, Hydraulics engineering, Agricultural Engineering and other relevant fields with a

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		minimum of 10 years relevant experience. Experience in socio – economic surveys and impact studies is preferred
4	Flood Protection Asset Management Specialist	Minimum MSC in assets valuation, insurance, economics, project management and other related fields with a minimum of 10 years' experience
5	Institutional /Capacity Building Specialist	Minimum MSC in Institutional Economics, Management, organizational management, Training and other relevant fields with at least 10 years' experience in a relevant position
6	Social safeguard specialist	Minimum MSC in Environment and Development, DRM, GRM, Sociology, Social Works, Gender studies, development studies and other relevant fields with at least 10 years' experience
7	Environmental safeguard specialist	Minimum MSC in DRM, Environmental Sciences, Environment and Development, Sanitary Sciences and other related fields with a minimum of 10 years' experience
8	Monitoring Expert	Minimum MSC in Monitoring and evaluation, Disaster and Risk Management, Humanitarian Assistance, GRM, Project Management, Social Works, Sociology and other related fields with a minimum of 10 years' experience
9	GIS specialist	Minimum MSC in Urban Planning, GIS and Remote Sensing, Aerial Imagery and other related fields with a minimum of ten years experience.
	Total	

10 Submission of Proposals

Interested consulting firms are invited to submit their proposals, including a technical and financial proposal, by submission deadline and address that will be indicated in the official Request for Proposal.

11 Evaluation Criteria

The method of procurement is based on Consultant Qualification Selection (CQS) Method.

Proposals will be evaluated based on the following criteria:

- Technical expertise and experience in conducting MTE surveys

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- Methodological approach and survey design
- Qualifications and experience of the consulting team
- Financial proposal

12 Contractual Arrangements

The selected consultant will enter into a consultancy contract with the Ministry of Water and Energy (MoWE) – Ethiopian Flood Management Project (ET-FMP). The contract will specify the terms and conditions, including payment schedule, reporting requirements, and intellectual property rights.

Annex 1

Final Evaluation Report incorporating feedback from stakeholders, for the review and approval of ET-FMP should submit as follows.

The total length of the MTE report should be a maximum of 50 pages for the main report, excluding annexes.

Annexes can provide background and further details on specific components of the project evaluated.

The evaluation report template:

- a. Title page
- b. Table of content
- c. Executive summary
- d. Acronyms
- e. Background and description
- f. Purpose of MTE
- g. Evaluation methodology and evaluation questions
- h. Findings per criteria
- i. Lessons learnt and potential good practices and models of intervention

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- j. Conclusions and recommendations
- k. Annexes (TOR, list of interviews, overview of meetings, proceedings stakeholder meetings, other relevant information)

Annex 2

List of stakeholders

- MOWE- Water Resource Management Sector,
- EDRMC,
- EMI,
- Awash Basin office,
- Omo-Gibe Basin office,
- RVL Basin office,
- Oromiya regional state,
- Afar regional state,
- Sidama regional state,
- Central Ethiopia regional state,
- South Ethiopia regional state,
- Regional, zonal & woreda concerned administrative offices