

Terms of Reference

Hiring Individual Consultant to Prepare Environment and Social Management Plan for IWWRMP

Contract No: LK-MoMDE-452446-CS-INDV (Lot2)

1. Introduction

The Government of Sri Lanka (GoSL) with financing from the World Bank (WB) has proposed to undertake an Integrated Watershed & Water Resources Management Project (IWWRMP). The development objective of the project is to improve watershed and water resources planning and enhance the functionality of water resources infrastructure. Functionality refers to improved safety of dams and improved water distribution networks for irrigation. It has been revealed through the studies that the major dams of the country are ageing and suffering from various structural deficiencies and shortcoming in the operation and monitoring facilities. This situation threatens the safety and operation efficiency of the dams and their appurtenant structures and as a result it increases the vulnerability of the downstream population and socio-economic infrastructure. As the project funds USD 69.53 Mn to be received from the donor to the project. The proposed project intends to address these issues through its dam safety and operational improvements for selected 28 dams & 21 Irrigation Tanks infrastructures. Under the above-mentioned dams & Irrigation infrastructures, following tanks and canal systems were selected from relevant implementing agencies for rehabilitation Following sub projects have been selected for Environmental and Social Screening Report (ESSR) Environment and Social Management Plan (ESMP) preparation.

No	Name of the Site	Implementing Agency	Remarks
01	Improvements to Lahugala Tank bund from 0+000 to 1+440 km including Rip-Rap protection.	Irrigation Department (ID)	Consultant shall Consider the biodiversity conservation of the area and provide a biodiversity management plan
02	Thannimurippu Tank Bund Development Improvement of tank bund, Improvement of Sluice	Northern Provincial Council (NPC-ID)	Consultant shall Consider the LSA needs and prepare LSA Assessment Report
03	Walawa MD-15 Canal	Mahaweli Authority (MASL)	
04	Rehabilitation & Improvement of Operation & Maintenance Road of Main Canal No. 02 from 8+020 km to 10+460 km and Kekulawala Tank to Muwagammana Tanks Link Road in System C	Mahaweli Authority (MASL)	

Table 01

2. Objective of the Assignment

In keeping with the World Bank's safeguard policies, the consultant will be required to carry out an environmental and social screening using the format provided and determine the level of safeguards analysis required with recommendations. The consultant is expected to conclude with the assignment with the preparation of a comprehensive Environmental and Social Screening Report (ESSR) and Environmental and Social Management Plan (ESMP).

3. Scope of Services, Tasks and Expected Deliverables

3.1 Study Area

The study area of this assignment approximately includes the Dam, peripheral area (500 m minimum radial distance), in the case Irrigation scheme, both sides of scheme areas, any borrow sites and related irrigation infrastructure schemes, which will include the worksites and as well as the impact zone. The consultant should, after scoping the issues, determine the boundaries of the peripheral areas where the impacts will be affected.

3.2 Prepare the ESSR and ESMP including the followings;

- 1) Provide a clear description of the proposed interventions, in close consultation with the relevant implementing agencies, PMU and other stakeholders. It should include location details (provide map), design details and construction methodology including safeguard measures (if available), types and quantities of raw materials to be used and sources of such materials (especially borrow sites). This should be completed with a clear rationale for the objective and justification of the proposed investment.
- 2) The alternative analysis would be mostly related to the evaluation of construction sites and sources, as the dams are existing. Alternative sites considered for material extraction should be provided. Provide a site description, access to site, ownership, social and environmental acceptability and any other issues / concerns for each site considered.
- 3) Description of the study area should include the sites that will be directly and indirectly affected by the proposed construction activities. (This should include area of the dam work, main road haulage routes, labour camp areas and at least a 500 m radially measured impact area from the boundary of the site). In filling the Environmental Screening Report (ESR) / Social Screening Report (SSR) for this section, the consultant is expected to assess the following;
 - Topography, geology and soil types, rainfall patterns in the Project area.
 - The existing hydrological regime and drainage patterns in the area (surface water bodies, groundwater levels and seasonal variations etc., any irrigation / flood protection schemes).
 - Current baseline water quality in the adjacent surface water bodies and groundwater wells & seasonal variations.

- Ecological resources within the impact zone with faunal / floral biodiversity of the different habitats including the presence of species of conservation significance
 - Presence of or proximity to areas of conservation significance
 - Details of the biodiversity of the area (main fauna and flora species)
 - Presence of any pollution sources within the project impact area
 - Presence of archaeologically significant areas
 - Economic/social infrastructure and activities within the project impact area.
 - Conduct an assessment of the (i) potential and / or actual risks and impacts on community livelihoods due to proposed civil works of the subprojects; (ii) types of losses to the affected parties (e.g. full / partial loss of cultivable land, types of crop losses, seasonal production, incomes, consumption etc.); (iii) types of households to be affected (e.g. owner cultivators, tenants, share-croppers, poor who have leased / rented their land for others, women cultivators etc.); and (iv) identifying interventions required for supporting affected households for their other types of losses.
 - Prepare site-specific Livelihood Support Assistance (LSA) plans as deemed appropriate, to support the different affected parties to offset their seasonal livelihood and income losses including a realistic budget, time frame and institutional arrangements for LSA implementation
 - Consultant shall conduct a detailed discussion with relevant stakeholder agencies to identify engineering and non-engineering solutions to mitigate the negative impact under the construction phase and provide a work plan with ESSR and ESMP.
- 4) Carryout a public consultation in the locality with the key stakeholder groups and present the following aspects in the summary for
- Public consultations carried out under the project
 - Key comments received
 - Methods used to disclose information to the public
- 5) Assess anticipated environmental and social impacts against each screening criteria given in the ESR and SSR. In selecting yes/no to be confirmed for each criterion, an adequate rationale and justification for the selected answer must be provided in the remarks column. Impacts from during construction as well as operational stages should be considered. If the consultant feels that additional screening criteria are necessary, he / she is free to do so.
- 6) Based on the screening assessment, provide the followings;
- Conformity with the other projects / development / conservation plans in the area
 - Approvals needed for the proposed development from the other State Agencies
 - Key conclusions with a summary of key impacts anticipated, their nature and significance
 - Final screening decision
- 7) If the screening findings do not warrant an Initial Environment Examination (IEE), Environment Impact Assessment (EIA) or Strategic Impact Assessment (SIA), the consultant is expected to

prepare an Environment and Social Management Plan along with monitoring indicators with a necessary budget for implementation.

4. Sub Project Description

No	Name of the Site	Implementing Agency
01	Improvements to Lahugala Tank bund from 0+000 to 1+440 km including Rip-Rap protection. <ul style="list-style-type: none"> • Improvements to Tank Bund - Formation of tank bund. • Construction of RB Spill way cum Causeway structure 	Irrigation Department (ID)
02	Thannimurippu Tank Bund Development Improvement of tank bund, Improvement of Sluice	Northern Provincial Council (NPC-ID)
03	Walawa MD-15 Canal <ul style="list-style-type: none"> • Rehabilitation of Turnout structure. • Construction of Box Culvert. • Construction of Regulator structure. 	Mahaweli Authority (MASL)
04	Rehabilitation & Improvement of Operation & Maintenance Road of Main Canal No. 02 from 8+020 km to 10+460 km and Kekulawala Tank to Muwagamma Tanks Link Road in System C. <ul style="list-style-type: none"> • Construction of Asphalt Paving Road. 	Mahaweli Authority (MASL)

Table 02

5. Selection Procedure

Consultant will be selected on an **Open Competitive Selection of Individual Consultants** in accordance with the World Bank Procurement Guidelines and Procurement Regulations for IPF Borrowers – July 2016 Revised November 2017 and August 2018.

6. Required qualification of Key Staff.

Consultant should have B.Sc. Degree in the field of Biological Science / Agriculture / Natural Sciences and Master's Degree in the above-mentioned field and should have 10 years of post-qualified experience in the preparation of Environmental and Social Management Plans, Biodiversity survey reports, Livelihood Support Assistance Plans, Social Management plans etc. Further, he / she should have involved in similar kind of work and experienced in preparation of IEE/EIA reports. Experience as an Environmentalist / Sociologist in World Bank Projects / Foreign Funded Projects is an added advantage.

The consultant may obtain services of field assistants to collect / compile and process data and also to carry out the evaluation and produce needful reports.

7. Reporting Requirements and Time Schedule for Deliverables

7.1 Deliverables and Payment Schedule

A comprehensive Environmental and Social Screening Report (ESSR) and Environmental and Social Management Plan (ESMP) for the proposed rehabilitation schemes, summarizing the finding with the comprehensive ESMP and monitoring plan are expected to be the final output of the assignment. The report should follow the format of the screening report provided. The deadlines of submission of deliverables are tabulated as follows;

No	Description	Date of submission	Payment (% from Lump sum)
D1	Draft Inception Report	02 weeks from signing of contract	
D2	Final Inception Report	03 weeks from signing of contract	20
D3	1 st draft of ESSR and ESMP for; - Rehabilitation of Lahugala Tank - Thannimurippu Tank	05 th week from signing the contract 06 th week from signing the contract	10 10
D4	1 st draft of ESSR and ESMP for; - Rehabilitation of Walawa MD15 Canal - Rehabilitation & Improvement of Operation & Maintenance Road of Main Canal No. 02 from 8+020 km to 10+460 km and Kekulawala Tank to Muwagamma Tanks Link Road in System C.	07 th week from signing the contract 08 th week from signing the contract	10 10
D5	Final ESSR and ESMP for; - Rehabilitation of Lahugala Tank - Thannimurippu Tank	09 th week from signing the contract 10 th week from signing the contract	10 10
D6	Final of ESSR and ESMP for; - Rehabilitation of Walawa MD15 Canal - Rehabilitation & Improvement of Operation & Maintenance Road of Main Canal No. 02 from 8+020 km to 10+460 km and Kekulawala Tank to Muwagamma Tanks Link Road in System C.	11 th week from signing the contract 12 th week from signing the contract	10 10
			100

Table 03

7.2 Report Reviewing Mechanism

Client / PMU will Review the Draft Reports and submit to the Consultant for the Final Submissions. The Time Schedule is tabulated as follows;

No.	Description	No.of days	Remarks
1	Draft Inception Report	3	Client Review (by the Committee appointed by Project Director, IWWRMP)
2	1st draft of ESSR and ESMP for; - Rehabilitation of Lahugala Tank - Thannimurippu Tank	14	
3	1 st draft of ESSR and ESMP for; - Rehabilitation of Walawa MD15 Canal - Rehabilitation & Improvement of Operation & Maintenance Road of Main Canal No. 02 from 8+020 km to 10+460 km and Kekulawala Tank to Muwagammana Tanks Link Road in System C.	14	

Table 04

7.3 Work Plan

A comprehensive work plan for Deliverables incorporate with Client Review as follows;



8. Duration

The study is expected to be completed within 03 months' period.

9. Working Arrangement.

The Consultant shall submit the Work Plan considering the Deliverables and Client Review for the Client approval and conduct sufficient number of field inspections to identify the environmental and social impacts of the proposed sites. At the same time, Consultant need to conduct discussions and meetings with relevant officials and respective communities or community organizations to collect relevant data. In addition, statistical data need to be collected from relevant institutes (example – Divisional Secretariat Office). After or in parallel to field works, Consultant shall start the report preparation.

10. Facilities to be provided by the Client

PMU will facilitate to coordinate relevant implementing agencies and supports to get relevant information. Also, the PMU shall coordinate with relevant institutes to get necessary approvals to conduct field inspections. In addition, the PMU will support to coordinate World Bank safeguard team (if necessary). The safeguard team of the PMU will join to the field inspections with the consultant according to the time availability.