KINGDOM OF CAMBODIA
NATION RELIGION KING

LAND ALLOCATION FOR SOCIAL AND ECONOMIC DEVELOPMENT PHASE III (LASED III)
IDA Credit No. 6706-KH

TERMS OF REFERENCE
Two Technical Design Consultants (MAFF-CS-39)

Institution:	Ministry of Agriculture, Forestry and Fisheries (MAFF)
Recruitment type:	Local Based Recruitment
Hiring/Procurement type:	**Technical Design Consultant for Water and Irrigation**
Supervisor:	Agriculture Director/Management Team, Agriculture Engineering Unit, LASED III
Contract duration:	1 year each, possible to extend. Initial 3-month probationary period
Closing Date:	5.30 pm (Local Time), on 30 April, 2024
Expected Contract Start:	End of May, 2024

I. Introduction

1. The Land Allocation for Social and Economic Development Project III (LASED III) is based on three legal frameworks that each define an operational framework for implementation. The legal framework for granting Social Land Concessions (SLCs) was established in 2003 by adopting the Land Law and the sub-decree No. 19 which defines the criteria and procedures for establishing a SLC. For Indigenous Communal Land Titling (ICLT), the legal framework was developed through sub-decree 83 which outlines the procedure of communal land title registration. In addition, Commune Land Use Planning (CLUP) was established through sub-decree 72 on the commune land use planning. The LASED III project obtained funding support from the World Bank and includes ICLT, SLC and CLUP. Further, LASED III will support approximately 30 Indigenous People (IP) communities that have received ICLT and 15 IP communities that have applied for but not yet received ICLT.

2. LASED III will continue the support for the Royal Government of Cambodia's (RGC) Commune Social Land Concession (SLC) program provided by LASED and LASED II, and will also support RGC's Indigenous Communal Land Titling (ICLT) program, in both cases through land titling and associated infrastructure and livelihoods activities. The executing agency for LASED III is the Ministry of Land Management, Urban Planning and Construction (MLMUPC) while implementing agencies include Ministry of Agriculture, Forestry and Fisheries (MAFF) and Provincial project teams.

II. The Project Development Objective (PDO) of LASED III and Key Impact Indicators

3. The PDO is to provide access to land tenure security, agricultural and social services, and selected infrastructure to small farmers and communities in the project areas. There are three PDO level indicators that will be measured through the following indicators: (i) tenure security provided to beneficiary farmers and community groups, to be measured by the number of registered land titles and by the size of related area covered (ha). Data would be disaggregated by gender, individual, and communal land rights; (ii) Infrastructure and service provision in the project areas to be measured by the access to agriculture services, clean water, connecting roads, schools and health posts and construct small scale irrigation system such as Reservoir, Reservoir structures/pumping station, Headwork, Main canal/pipe, Main canal structures, Secondary/Tertiary canal/pipe, Secondary/Tertiary canal structures and drainage system; and (iii) Sustainable, agriculture-based livelihood development for individuals and groups in the project communities to be measured by improvements in the poverty status of beneficiaries. Citizen engagement is measured through the satisfaction of beneficiaries with the land titling process and the provision of agriculture services.

4. LASED III builds on the successful implementation and experience of the previous project and good practices in the sector, and aims to address the priority needs of current and prospective beneficiaries. It would provide, in particular, improved agricultural technology and infrastructure support to make beneficiaries' lands productive and sustainable. LASED III emphasizes SLC with the addition of ICLT and CLUP, with an estimated cost of US$107 million supported by a World Bank Credit of US$ 93 million and a contribution from the RGC of US$14 million.

5. The World Bank's Environmental and Social Framework (ESF) apply to LASED III, including the following Environmental and Social Standards (ESSs):

- ESS1: Assessment and Management of Environmental and Social Risks and Impacts;
- ESS2: Labor and Working Conditions;
- ESS3: Resource Efficiency and Pollution Prevention and Management;
- ESS4: Community Health and Safety;
- ESS5: Land Acquisition, Restrictions on Land Use and Involuntary Resettlement;
- ESS6: Biodiversity Conservation and Sustainable Management of Living Natural Resources;
- ESS7: Indigenous Peoples/Sub-Saharan African Historically Underserved Traditional Local Communities;
- ESS8: Cultural Heritage; and
- ESS10: Stakeholder Engagement and Information Disclosure

6. Key documents to address environmental and social (E&S) risks include an Environmental and Social Management Framework (ESMF), Indigenous Peoples Planning Framework (IPPF), Resettlement Policy Framework (RPF) and Environmental and Social Commitment Plan (ESCP). The IPPF and ESCP require that an environmental and social assessment (ESA) is undertaken before the implementation of the ICLT activities of the project building on the assessment of risks and impacts undertaken during preparation of the project and the E&S documents.

III. Objective of the Assignment, Task and Deliverable

7. To accelerate the development of water and irrigation systems in LASED III communities, the consultants are recruited to provide technical water and irrigation system design support to the MAFF/Agriculture Engineering team. The Consultants will work closely with the MAFF/Agriculture Engineering team on a day-to-day basis to manage and implement water and irrigation systems for 33 ICs (Batch I-12ICs and Batch II-21ICs) and 12 SLCs (Batch I-6SLCs and Batch II-6SLCs) under Component 2. The Agriculture Engineering team will guide the Consultants in designing small-scale water and irrigation schemes for LASED III.

IV. The Technical Design Consultants will carry out the following tasks:

Task A: Support in conducting a scoping study and detailed engineering design of the small-scale water and irrigation systems:

8. The consultants will be providing assistance to the Agriculture Engineering team in designing small-scale irrigation systems, which includes:

- Closely work with the Agriculture Engineering team in collecting field data which is required for the design of irrigation infrastructures
- Support in consolidating, processing and analyzing data from the field.
- Produce design technical drawings based on the design results provided by the Agriculture Engineering team using Drawings Standard in Autodesk AutoCAD Software
- Calculate the quantity of construction materials to be included in Bill of Quality (BOQ) for the designed infrastructures, including earthwork, structures work, erosion protection works, etc.
- Provide technical inputs to prepare bidding documents including preparing bill of quantities for design structures, modifying technical drawing, and prepare design specification package.
- Any other duties as required by the Project.

Task B: Support in construction supervision of the small-scale water and irrigation systems:

9. Overall management of construction contracts is the responsibility of MAFF/Agriculture Engineering team. The Consultants will supervise construction works and report directly to the MAFF Team on progress and issues arising. Construction supervision responsibilities of the consultants include:

- Maintaining good communication with the Contractor;
- Issuing construction drawings to the contractor;
- Checking, verifying and recommending approval for the Contractor's work programme, suitability of contractor's staff and equipment, site safety and environmental protection, temporary land use plan (for areas such as site camps, borrow pits etc) and other arrangements necessary for compliance with contract conditions, before work commences;

- Providing the day-to-day presence of a construction supervisor while works are in progress;
- Quality control of materials, work methods and completed constructions in conformance with the technical specifications;
- Monitoring progress of the works against the contractor's workplan to ensure that works are completed on schedule;
- Ensuring compliance with site safety, environmental management, Land Acquisition Plan, Temporary Land Use Plan and other requirements of the contract;
- Verifying measurements made by the contractor;
- Reviewing contractor's payment requests;
- Preparing regular reports of physical and financial progress;
- Reviewing and recommending for approval contractor's claims for contingency costs, extension of time etc;
- Maintaining site records;
- Checking and verifying as-constructed drawings submitted by the Contractor;
- Following up on any issues arising during construction, and recommending appropriate actions to the MAFFAgricultural Engineering team;
- Maintaining good communication and liaison with stakeholders including local authorities and beneficiary representatives.

Task C: Coordination and capacity

- Participation and facilitation of all necessary coordination and consultations with safeguards, relevant stakeholders, and government agencies at all levels, communities, NGOs, international partners, relevant teams and units of the LASEDIII team and the World Bank experts/task team for all activities under Task A, and above.
- Provision of hand-on trainings to the MAFF/Agriculture Engineering team where necessary.

V. Qualifications:

- At least bachelor's degree of water resource engineering, civil engineering, or/and equivalent qualification;
- At least 4 years' experiences working in Computer aided design (CAD), design, construction and/or supervision of the irrigation (or water supply engineering) scheme;
- Have some knowledge of hydrological, hydraulic, and topographical surveys
- Experienced in implementation of projects in areas related to rural development, agriculture sector.
- Understanding of engineering particularly irrigation schemes concepts and technologies.
- Understanding of rural land rights issues
- Knowledge of using MS Word, MS Excel and Power Point;
- Knowledge of using AutoCAD, Civil 3D, GIS and other related software is an advantage
- Understanding project reporting formats and ability to assist in preparing analytical reports as required by project management.
- Experienced in working with the international development partners, including the World Bank is an asset.
- Very good communication skills, proficient in English, reading, listening, writing and speaking
- Willingness and ability to travel in difficult condition.

VI. Location, Duration

10. The duty station will be based in MAFF/LASED III PCO office at the Ministry of Agriculture, Forestry and Fisheries/Department of Agriculture Engineering. The Consultants will be employed for an initial period of 01 year each which may be extended subject to satisfactory performance. The first three months will be a probationary period, and subject to satisfactory performance would be confirmed for the initial period. The Consultants are expected to start the work by 2024.

VII. Reporting

11. The Consultants will report to the Agriculture Director/Management Team and direct supervision by Agriculture Engineering Unit.

VIII. How to Apply

12. Interested candidates are required to submit a Letter of Expression of Interest including an outline understanding of the necessary assignment and expected work program, curriculum vitae, nominated referees (with contact details), by soft to Ms. Thun Somanin, Procurement Officer, MAFF/LASEDIII via e-mail: somaninthun@gmail.com and copy to: chansengbou@yahoo.com, or hard copies to the address mentioned below before 5.30 pm. (Local Time) on 30 April, 2024.

The Ministry of Agriculture Forestry and Fisheries (MAFF).
Land Allocation for Social and Economic Development Project III (LASED III).
Ground Floor, Techo Santepheap Building # 200 Corners of Mao Ste Tung and Preah Norodom Blvd, Phnom Penh, Cambodia.