

ADB Loan No. 4143-CAM: Livable Cities Investment Project

TERMS OF REFERENCE (TOR) Project Engineer (National)

A. Background

1. The Royal Government of Cambodia (RGC) has received a loan from the Asian Development Bank (ADB) towards the cost of Livable Cities Investment Project. The Project was approved on 18 November 2021 by the ADB Board of Directors, signed on 08 December 2021 between RGC and ADB, and became effective on 24 February 2022.

2. The project will support the inclusive and sustainable development of the secondary cities of Bavet, Kampot and Poipet. It will support the Government to provide: (i) 26,850 people with access to improved wastewater services; (ii) 91,130 people with benefits from improved solid waste management services, (iii) 23,960 people with benefits from reduced flooding through improved urban stormwater and drainage systems; and (iv) capacity development to strengthen the institutional capacity of the municipal administration in the operations and maintenance (O&M) of public services.

B. Objective and Purpose of the Assignment

3. A Project Engineer is required to provide overall technical and engineering support during the implementation of the Project. Under the guidance and supervision of the Project Director, the Project Engineer will work closely with, and coordinate project activities with the design and construction supervision consultant, the executing and implementing agencies, project management and technical teams both at national and subnational levels and other relevant agencies. The Project Engineer will report to the Project Director.

C. Scope of Work

4. The position will be based at the PMU office in Phnom Penh with periodic field visits, if required, to the targeted provinces under the Project Components. The period of this assignment is 24 months. S/he will:

- (i) undertake overall coordination, support and oversight during project implementation including working with relevant PMU staff and/or consultants to ensure delivery of project implementation outputs and requirements including, but not limited to procurement, safeguards, detailed engineering design, financial and social development;
- (ii) develop strong working relationship with executing and implementing agencies, civil society organizations and project implementation units (PIU), and ensure smooth coordination among them;
- (iii) confirm commitments to project implementation from all stakeholders;
- (iv) coordinate and work with the Team Leader and relevant members of the Detailed Design and Construction Supervision Consultant to develop detailed time bound implementation schedules;
- (v) assist the PMU to ensure compliance with the relevant policies and guidelines of the Royal Government of Cambodia and ADB;
- (vi) review and provide recommendations on the detailed designs, cost estimates, resettlement plans, environmental management plans, gender action plan and its monitoring and other contract documentation as necessary;

- (vii) assist the PMU and PIU staff and local consultants in managing civil works and goods contracts and in supervising construction and subsequent commissioning of works;
- (viii) assist in arranging for smooth handover of the project facilities to the agencies responsible for operation and maintenance including advice and assistance on the preparation of all documentation, as necessary (i.e. as-built drawings) to close out contracts;
- (ix) Monitor submissions and review reports to ensure proper and timely submission of regular progress reports to executing agencies and ADB, particularly the progress against target indicators;
- (x) initiate actions in the event of any adverse, oblique and / or other variances against the original plan;
- (xi) review safeguards documents, assist in ensuring all resettlement and environmental impact mitigation measures are fully implemented, and that associated reporting is completed, and provide support in minimizing adverse environmental impacts during construction;
- (xii) provide site management guidance to PIUs and local consultants in relation to the construction;
- (xiii) assist in project planning, scheduling, and reporting of sub-project activities;
- (xiv) assist in ensuring the quality of all of the infrastructure components;
- (xv) assist the procurement officer in updating the procurement plan from time to time (at least annually);
- (xvi) assist in the detailed monitoring and evaluation surveys;
- (xvii) provide overall support for selection of contractors and suppliers, contract management, and quality control and inspection;
- (xviii) ensure implementation of gender and social development measures, covering GAP and community participation plan;
- (xix) assisting in maintaining records, correspondence, and diaries; and provide the Client/ Employer with complete records and reports within the area of responsibility;
- (xx) ensure efficient provision of on the job training to the staff members of PIUs in all relevant aspects of the efficient management and implementation of the Project procedures; and
- (xxi) undertaking any other project management activities, as necessary, and assigned by the Project Director.

D. Minimum Qualification Requirements

5. The Project Engineer must meet minimum requirement as follow:

- (i) At least Bachelor's degree preferably post-graduate in Engineering or in other related fields;
- (ii) At least 8 (eight) years of relevant professional experience with at least 5 (five) years of work experience on public sector projects in the relevant professional areas
- (iii) Working experience in project management/procurement of the Government programs at national and sub-national levels; and/or experience with the RGC Implementing Agencies/ Ministries in a professional support capacity, especially in drainage works, flood protection works and solid waste management facilities sectors, will be an advantage.
- (iv) Knowledge on sustainable and Resilient Cities will also be an asset.
- (v) Familiar with the Royal Government guidelines, regulations and procedures relevant to the area of his responsibility.

- (vi) Fluent English language skills, and ability to maintain work communication with both international and Cambodian staff, are preferable.
- (vii) Demonstrated advanced computer skills related to the spreadsheets and project planning tools are required.

E. Period

- 6. The period of this assignment is 24 months as intermittent basis.

F. Deliverables

- 7. The consultant will produce Monthly, Quarterly and Annual Reports