

## REQUEST FOR EXPRESSIONS OF INTEREST

**Country** : MYANMAR  
**Project** : Ayeyarwady Integrated River Basin Management (AIRBM) Project  
**Credit No.** : IDA 55590  
**Project ID** : P146482  
**Assignment Title** : National Civil Engineer, Structural  
**Reference No** : C1.27

The Republic of the Union of Myanmar has received interest free loan financing assistance from the World Bank toward the cost of the Ayeyarwady Integrated River Basin Management (AIRBM) Project. Directorate of Water Resources and Improvement of River Systems (DWIR), MoTC is the implementing agency of the AIRBM through the Project Management Unit (PMU) established under the supervision of the secretary of DWIR, and intends to apply part of the credit for consulting services for *National Civil Engineer, Structural*.

The PMU now invites expressions of interests from qualified candidates for the below positions. Interested candidates must provide their updated curriculum vitae (CV), indicating personal and technical skills, qualifications and experience in similar assignments. In their expressions of interest, the candidates are requested to indicate the position they apply for and the relevant reference number stated below:

### **C1.27 – National Civil Engineer, Structural:**

The Consultant shall meet the following minimum qualifications:

- Bachelor degree in civil engineering, and minimum of 5 years relevant experience in civil engineering, specialize working experience in structural design of buildings or infrastructure works or construction supervision works or any of those in combination
- Experience in construction supervision as a Resident Engineer under the construction contracts based on WB standard or FIDIC type
- Working experiences with International Advisors / Stakeholders would be an asset
- Experience in estimation of Engineering Designs, Bill of Quantity and technical Specification, Detail measurement.
- Experience in assurance of safeguard standards relevant for site supervision
- Ability to assess the risks and write reports
- Good Technical Report Writing skill in English.
- Fluency in English and Myanmar, accurate understanding, and four skills in both languages are absolutely necessary.
- Good computer skill especially in document and reports creation, Microsoft Word, Excel, Power Point Presentation, and Pdf file writing and other Engineering Software, like AUTOCAD

In lieu of academic qualification, relevant long-term experience will be considered.

The services are expected to be carried out over a period of 12 months with the possibility of extension.

The location of the service will be at the PMU Office

PMU Office (Building 7)

No.400, DWIR Compound, PMU Office (Building (7)), Lower Pazuntaung Road, Postal Code

11171, Pazuntaung Township, Yangon Myanmar

The attention of interested Consultants is drawn to paragraph 1.9 of the World Bank's *Guidelines: Selection and Employment of Consultants [under IBRD Loans and IDA Credits & Grants] by World Bank Borrowers* dated July 2014 ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.

A Consultant will be selected in accordance with the Individual Consultant method set out in the Consultant Guidelines.

Further information can be obtained at the address below during office hours *0900 to 1700 hours*.

Expressions of interest must be delivered in a written form to the address below (in person, or by mail, or by e-mail) by **17<sup>th</sup> January 2019, 17:00hrs**.

AIRBM Project, Project Management Unit

Attn: Ei Kyipyar Soe (National Procurement Officer )

No.400, Lower Pazuntaung Road, Pazuntaung Township, Yangon, Myanmar

Email: [eikyipyarsoe@gmail.com](mailto:eikyipyarsoe@gmail.com)

With a copy to following e-mail addresses: [procurement-unit@airbm.org](mailto:procurement-unit@airbm.org) ;  
[mraungmin1977@gmail.com](mailto:mraungmin1977@gmail.com)

## TERMS OF REFERENCE

MINISTRY OF TRANSPORT AND COMMUNICATIONS: DIRECTORATE OF  
WATER RESOURCES AND IMPROVEMENT OF RIVER SYSTEMS  
AYEYARWADY INTEGRATED RIVER BASIN MANAGEMENT PROJECT

TERMS OF REFERENCE FOR  
**NATIONAL CIVIL ENGINEER, STRUCTURAL**  
**CONTRACT NO. C 1.27**

**Duration of assignment:** The Consultant will receive an annual full-time contract. The contract may be renewed on annual basis depending on Consultant performance and Project requirements. The Consultant will be based in Yangon.

**General Scope of Services:** Provide and assist on the subject of Civil Engineering works and the Project Director, Component (1) and (2) Directors. Provide supports for the necessary technical expertise for all the building construction works related to the AIRBM Project.

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### 1. Background

The Myanmar has received a US\$100 million credit from the World Bank (WB) for the Ayeyarwady Integrated River Basin Management (AIRBM) Project. The objective of the project is to help Myanmar develop the institutions and tools needed to enable informed decision making in the management of Myanmar's national water resources and to implement integrated river basin management on the Ayeyarwady, while immediately enhancing the river's productivity with "low/no regrets" investments, upgrade the hydro-meteorological observation system and services (to support agricultural productivity and water-related disaster risk management) and making navigation enhancements (to promote sustainable transportation) on the Ayeyarwady. The project would also support a prompt and effective response to potential crises and emergencies. The project will be implemented over the period 2015-2020. A detailed description of the project can be found in the World Bank's Project Appraisal Document.<sup>1</sup>

### 2. Overview of the AIRBM-PMU Director's Office

A PMU has been established under DWIR and is led by the Project Director. The Project Director will be responsible for project management and technical coordination, as well as procurement and financial management, monitoring and evaluation, and compliance with environmental and social safeguards for all project components. The Project Director will serve as the official point of contact between the World Bank task team and the Project, including the transmittal of all non-Bank management level correspondence. To ensure open flow of information, e-mail exchanges to and from the Bank will be copied to the following people: i) DG DWIR; ii) DG DMH; iii) Project Director; iv) Component 1 Director; v) Component 2 Director; and vi) Component 3 Director.

The PMU shares duties and functions among the staff appointed from DWIR and the contractual staff. Within the PMU, the procedures described below under each functions will be followed to ensure the smooth operation of PMU.

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<sup>1</sup> See <http://documents.worldbank.org/curated/en/2014/11/20394428/myanmar-ayeyarwady-integrated-river-basin-management-project>

The PMU will provide steel filing cabinets and required number of box files to all the functional units such as finance, procurement, administration and etc. to organize an effective and secured records management system that can only be accessed by authorized person.

## **Overview of Component 1: Water Resource Management Institutions, Decision Support Systems and Capacity Building**

**1.1 Institutional Development:** This sub-component will support:(a) design and construction of a new NWRC Secretariat and HIC headquarters facility in Mandalay, immediate refurbishment of associated office space in Yangon and Nay Pyi Taw, and provision of office furnishings and equipment; (b) development of the NWRC institutions, mandates, business plans, staffing strategies and operational procedures, as well as institutional, legal and regulatory reviews and reforms relating to water resources management; and (c)capacity building, including possible twinning arrangements.

**1.2 Ayeyarwady River Basin Master Plan and Decision Support System:** This sub-component will provide immediate guidance on investment options while also developing the tools and processes needed to ensure the government has ongoing capacity to plan and manage its national water resources. A phased approach will be taken to plan integrated development of the Ayeyarwady River, based on sufficient understanding of opportunities and risks and guided by agreed Basin Development Objectives. Activities will include: (a) development of the Ayeyarwady Integrated River Basin Master Plan, the development of a DSS that will become the primary knowledge asset of the HIC, and stakeholder consultations to identify Basin Development Objectives; (b) implementation of groundwater and sediment surveys; and (c) implementation of a Basin-wide Strategic Environmental and Social Assessment (SESA).

**1.3 Preparation of Future Investments (PFI):** This sub-component will support preparation activities for priority investments that may be financed under future phases of this Series of Projects. It will finance feasibility studies, procurement and safeguards related activities, workshops and study tours and other activities as agreed between the WBG and GoM. It will not finance detailed design work. This financing will create an incentive to identify, and prepare projects to international quality standards, within an integrated basin framework and in accordance with basin wide development objectives. To be eligible for PFI funding, a project must be consistent with the Ayeyarwady Basin Master Plan (Sub-component 1.2a) and with the Bank's engagement objectives in Myanmar.

**1.4 Implementation Support:** This sub-component will provide funds for: (a) consultant and advisory services for the Project Management Unit (PMU)including for financial management, procurement, safeguards and monitoring and evaluation; (b)incremental operating costs; and (c) project-related communications and outreach as well as the creation of a Stakeholder Forum that will be an important mechanism for consultation during the implementation of this Project and sustained thereafter as a platform for stakeholder engagement with the DWIR.

## **3. Project Management Structure**

Directorate of Water Resources and Improvement of River Systems (DWIR) is the implementing agency of the AIRBM. Therefore, Director General of DWIR has managerial and financial oversight of the Project.

*The AIRBM Project Steering Committee (PSC):* The DWIR will provide strategic guidance to the AIRBM and receive regular updates on progress. For purposes of immediate project oversight, an AIRBM Project Steering Committee (PSC) will be formed to review and advice on annual progress reports, work programs and key processes and outputs. The PSC will be chaired by the Deputy Minister, MoTC and consists of Director General of DWIR, Director General of DMH and Chairperson of the Advisory Group.

*Project Management Unit (PMU)*: A PMU has been established under the DWIR, and is led by a Project Director. The Project has three components and each component is led by the respective Component Director. The Project Director is responsible for project management and technical coordination, as well as procurement and financial management, monitoring and evaluation, and compliance with environmental and social safeguards for all project components. The PMU includes a Safeguard Section specifically responsible for environmental and social safeguard.

#### **4. Consultant Assignment Objectives and Scope**

Under the overall guidance and overall supervision of the AIRBM Project Director and specific supervision of the Component(1) Director and Component(2) Director (when Component(2) begins the construction in the later stage). The National Civil Engineer will provide the necessary technical expertise for all the construction works under PMU/AIRBM Project and implementation ensuring compliance of quality control plans, materials, test procedures, specifications and work methodologies as per Myanmar National standards.

The National Civil Engineer will be responsible for the following duties and responsibilities;

- Read and review survey reports, maps, drawings, blueprints, aerial photography, and other topographical or geologic data to plan construction projects.
- Assist to Project Director & Component Directors in overseeing and managing quality assessment of construction materials through lab tests and on site.
- Ensure specific quality standards are constantly met at all levels of construction projects.
- Review all standard test forms to be used during tests, QA/QC testing schedules and procedures and evaluate results as appropriate
- Review contractor practices and conventional methodologies and make recommendations where remedial action is required. Work with site supervision consultant for establishing procedures with time limits for the inspection, sampling and testing of works and all other QA/QC requirements
- Inspect project sites to monitor progress and ensure conformance to design specifications and safety, sanitation standards, as well as social and safeguard issues.
- Monitoring the schedule of material and equipment used in the site
- Ensuring the project complies with legal requirements, especially health and safety
- Assessing the sustainability and environmental impact of projects
- Ensuring projects run smoothly and structures are completed within budget and on time by the tender winning construction company
- Keeping record of all documentation regarding QA/QC
- Controlling all QA/QC related submissions of contractors to comply with the standard specifications
- Monitoring of quality assessments, checking regular QA/QC reports prepared by the contractor on all construction activities
- Capability to work successfully in a multi-disciplinary and cross-cultural environment with a large diverse team.
- Ability to work creatively and long hours without complaint. Ability to perform on call duties if and when necessary due to the special situation of the project.

## **5. Qualification Requirements & Experience Requirements**

- Bachelor degree in civil engineering, and minimum of 5 years relevant experience in civil engineering, specialize working experience in structural design of buildings or infrastructure works or construction supervision works or any of those in combination
- Experience in construction supervision as a Resident Engineer under the construction contracts based on WB standard or FIDIC type
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## **6. Monitoring and Progress Control**

- Efficient execution and follow-up on tasks as per the scope of responsibilities detailed above.
- Leverage use of technology and electronic systems and tools to initiate work, share information with colleagues
- Actively interact with colleagues to exchange information and feedback on requests in an effective and efficient manner
- Demonstrate professional and personal ethics, transparency and openness to encourage respect and similar behavior from colleagues in the workplace.
- Up to date/informative/accurate monthly reports timely submitted.
- Up to date filing system & proper documentation maintained.
- Understand the contract management system and assist the Project Director and Component Directors