

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 10 years relevant experience in civil engineering, structural design of buildings and infrastructure works and construction supervision
- Minimum 5 years of 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.
- Applicable / usable in AutoCAD .
- 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.

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 22nd Mar 2018, 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

With a copy to following e-mail addresses:

ms.thin.thin.swe.15@gmail.com, component3director@airbm.org

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. C1.27

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, sometimes needs to travel Mandalay and Nay Pyi Taw for project management if required.

General Scope of Services: Provide and assist technical, project management and policy advice to the Project Director, Component Directors and provide supports for the necessary technical expertise for all the building construction works related to the AIRBM Project.

1. General Background

The Ayeyarwady Integrated River Basin Management Project (AIRBM) is a five-year development project (2015-2020) administered by the Directorate of Water Resources and Improvement of River Systems (DWIR), Ministry of Transport and Communications, with credit from the World Bank.

The Ayeyarwady is of prime importance to Myanmar transportation and trade. AIRBM has three inter-related components with Component 1 aiming at developing institutions and tools needed for informed integrated river basin management; Component 2 delivering integrated hydro-meteorological warning and advisory services; and Component 3 enhancing navigation for trade and livelihood benefits.

Amongst other things, the AIRBM will finance the construction of office buildings in Yangon, Mandalay and Nay Pyi Taw. Currently, a three-storey PMU building is already under construction. The buildings related to AIRBM project will be designed and constructed as required. One will be a state-of-the-art Hydro-Informatics Centre (HIC) and Secretariat to the National Water Resources Committee (NWRC) while the other will be part of the modernization of the hydro-metrological observation, data management systems and forecasting. Two or more other facilities what will undergo reconstruction and renovation

works are also planned. The design and construction supervision of these works will be under competitive bidding.

2. Project Management Structure

Directorate of Water Resources and Improvement of River Systems (DWIR) is the implementing agency of the AIRBM. Project Management Unit (PMU) is organized under DWIR and DG of DWIR has managerial and financial oversight of the Project.

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

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.

3. Consultant Assignment Objectives and Scope

Under the overall guidance and direct supervision of the AIRBM Project Director 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;

- Assist to Project Director in the development, and subsequent oversight of project planning and protocols for construction supervision, construction equipment and materials
- Analyze survey reports, maps, drawings, blueprints, aerial photography, and other topographical or geologic data to plan 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
- Resolving design and development problems and managing budgets and project resources
- Inspect project sites to monitor progress and ensure conformance to design specifications and safety or sanitation standards.
- Scheduling material and equipment purchases and deliveries
- 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
- Providing technical advice and assistance to contractors to ensure that economical and quality materials are purchased
- Keeping record of all documentation regarding QA/QC
- Controlling all QA/QC related submissions of contractors to comply with the standard specifications
- Implementation and monitoring of quality assessments, preparing regular QA/QC reports on all construction activities
- Capability to work successfully in a multi-disciplinary and cross-cultural environment with a large diverse team.
- Willingness and capacity to perform fieldwork, and in-country travel to remote places.
- 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.

4. Qualification Requirements & Experience Requirements

- Bachelor degree in civil engineering, and minimum of 10 years relevant experience in civil engineering, structural design of buildings and infrastructure works, construction supervision works.
- Minimum 5 years of 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.
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5. 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.