

**REQUEST FOR EXPRESSIONS OF INTEREST
(CONSULTING SERVICES– FIRMS SELECTION)**

COUNTRY: Government of the Union of Myanmar

NAME OF PROJECT: Ayeyarwady Integrated River Basin Management

SECTOR: Water

CONSULTING SERVICES: Impact based forecasting pilots and flood hazard mapping

CREDIT No.:P146482

PROJECT ID:5559 MM

The Republic of the Union of Myanmar has received financing from the World Bank toward the cost of the Ayeyarwady Integrated River Basin Management (AIRBM) Project. The Directorate of Water Resources and Improvement of River systems (DWIR) in the Ministry of Transport and Communication is the implementing agency for the Project. The Project includes three components:

- Component 1: Water Resource Management Institutions, Decision Support Systems and Capacity Building
- Component 2: Hydro-Meteorological Observation and Information Systems Modernization
- Component 3: Navigation Enhancement in the Ayeyarwady River

Component 2 of the project aims to extend and improve meteorological and hydrological observation systems and to improve the quality of weather, climate and hydrological information and services in Myanmar. As part of this component, the Ministry of Transport and Communication, through the Project implementation Unit, would like to hire a consultant for consultancy services for Impact-Based Forecasting (IBF) pilots and flood hazard mapping. Impact-Based Forecasting and warning services focus on translating hazards into sector-specific impacts, and the development of sectorial responses to mitigate those impacts. By focusing on impacts, it is expected that those exposed to a flood hazard will have a better understanding of the risk and will more likely take appropriate action.

The assignment aims to complete Impact Based Forecasting pilot studies in two contrasting areas, the River Chindwin (Mawlaik to Kalewa) and a stretch of the Ayeyarwaddy, downstream of Mandalay to Minbu and Magway, which can be integrated into existing and future flood forecasting platforms and has two specific objectives:

- (i) To support the implementation of measures for flood hazard mapping, forecasting and warning, through consistent and coordinated development and implementation of technologies for Impact Based Flood Forecasting
- (ii) To strengthen the capacities of Department of Meteorology and Hydrology (DMH) for flood hazard mapping and flood forecasting and warning.

Ministry of Transport and Communications, Directorate of Water Resources and Improvement of River Systems (DWIR), AIRBM Project, Project Management Unit (PMU) now invites expression of interest from eligible consultants for above the consultancy services. The services are expected to be carried out within a period of 17 months.

Consultants must have the following qualifications and experiences:

- 10 years working experience in flood forecasting and flood hazard mapping
- Extensive experience in disaster risk management, hydro metrological early warning and decision support systems, including experience and knowledge of Impact-Based Forecasting
- Demonstrated experience with short to medium range weather forecasting, including the use of radar products and ensemble weather forecasts.
- Demonstrated experience of training and capacity building in the fields of flood forecasting and flood hazard mapping.
- Experience in developing countries particularly in the Asia Region

Consultants may associate with other firms in the form of a joint venture or a sub-consultancy to enhance their qualifications. Consultants are requested to clearly identify in their Expression of Interest, the nature of the association and the role of each member (i.e. JV member or sub-consultant).

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 Quality and Cost Based Selection (QCBS) procedures as set out in the World Bank's [*Guidelines: Selection and Employment of Consultants under IBRD Loans & IDA Credits & Grants by World Bank Borrowers*](#), January 2011 (Revised July 2014) ("Consultant Guidelines").

Interested consultants may obtain further information during working hours (09:00-17:00 hrs local time from:

Ms. Ei Kyipyar Soe or Mr. Aung Min, National Procurement Officers

No.400, DWIR Compound, Building (7), Lower Pazuntaung Road, Postal Code 11171, Pazuntaung Township, Yangon, Myanmar.

Telephone: +95 09263657191, E-mail: eikyipyarsoe@gmail.com ; Copy to : component2director@airbm.org; elvera.dmh@gmail.com

Expressions of Interest must be delivered to the address above (in person, or by mail, or by e-mail) on or before on 19th October 2018 at 17:00 hours (Local Time)