

**Terms of Reference and Scope of Services
for
Assistant Engineer (Dredging)**

Package Name	Services from Assistant Engineer (Dredging), Individual Consultant
Package Number	Service Nos. BRWTP-S14/16(1) and BRWTP-S14/16(2)
Assignment Duration	55 (fifty five) person-months each
Number of Positions	02 (two)
Location of Assignment	Project Implementation Office in Dhaka and Project Sites, Bangladesh
Funding Source(s)	IDA (Credit No. 5842-BD)
Contracting Entity	Project Director, Bangladesh Regional Waterway Transport Project-I, BIWTA

Background:

The Government of the People’s Republic of Bangladesh (GoB) has received an SDR 254 million Credit from the International Development Association (IDA) – a member of the **World Bank Group** – for financing the cost of the Project- titled “Bangladesh Regional Waterway Transport Project 1(Dredging in Chattogram-Dhaka-Ashuganj IWT Corridor along with associated linked routes and construction of terminal with allied infrastructure” (hereinafter titled “BRWTP-1”), being implemented by the Bangladesh Inland Water Transport Authority (BIWTA), and intends to apply part of the IDA Credit for procuring the services of an individual International Procurement Consultant for its Project Implementation Unit (PIU).

The development objective of the project is to improve transport efficiency, reliability and safety for passengers and cargo on priority inland waterways along the Chattogram-Dhaka-Ashuganj Inland Water Transport Corridor of Bangladesh. The project is also being implemented within the broader context of the BBIN/Eastern Corridor regional program which aims to facilitate the movement of passengers and cargo on multimodal transport networks for the benefit of traders, transporters, producers, passengers and communities in Bangladesh, Bhutan, India, and Nepal (BBIN).

The Project consists of three major components: (i) Improved Inland Waterway Navigation (Component 1) will include work to maintain and increase advertised depths and to delineate channel routes through provision of long-term navigation and utilizing the mechanism of

performance based contracts (PBCs); (ii) Improved Services at Priority Inland Waterway Terminals and Landing Stations (Component 2) to support the development of two cargo terminals, four passenger terminals and 15 landing ghats (stations); and (iii) Institutional Capacity Development and Sector Sustainability (Component 3) comprising of a series of activities to support overall enhancement of the management systems and human resources capacity of BIWTA for modern, efficient, and high quality management of the IWT sector in line with international standards.

BIWTA, an autonomous body established under the Ministry of Shipping is the implementing agency of the Project and is responsible for its overall implementation, management and monitoring. BIWTA was set up for development, maintenance and operation of inland water transport and waterways in Bangladesh. Strategic management functions are performed by a Board of Directors which is headed by its Chairman – holding the rank of an Additional Secretary of the Government – and supported by senior officials of the Government of Bangladesh (GoB).

Introduction:

The Project is centered on the main Dhaka-Chattogram IWT route, with branches to Ashuganj, Ghorashal and Barishal.

The project comprises a component to improve the navigational routes through dredging and installation and maintenance of aids to navigation along the Dhaka-Chattogram IWT route, with branches to Ashuganj, Ghorashal and Barishal, especially:

- Capital and maintenance dredging, installation and operation of aids to navigation and construction and maintenance of Vessel Storm Shelters (VSS) and Idle Berthing Centers (IBC);

Objective of the Consultancy

The objective of this consultancy is to assist the BIWTA Project Implementation Unit (PIU) in all matters relating to the improvements of inland navigational waterways through OPBC (Output and Performance Based Contracts) for dredging and aids to navigation along the main Dhaka-Chattogram IWT route, with branches to Ashuganj, Ghorashal and Barishal and all inland navigational waterways under the jurisdiction of the project. Whenever required he/she will carry out engineering works at river terminals, landing ghats, vessel storm shelters, idle berthing centres etc.

Scope of Work

This assignment for the **Assistant Engineer (Dredging)** who will work within the PIU and his or her specific tasks and responsibilities shall include but not be limited to:

- Assist the PIU in connection with bidding documents, drawings etc. related to the design and implementation of improvement works through OPBC dredging and aids to navigation along all inland navigational waterways under the jurisdiction of the project;

- Assist managing procurement processes including tender invitation, receiving and evaluation as well as review submissions, specific designs and construction methodologies and proposals etc.;
- Review/check Consultant's/Contractor's deliverables/submittals, viz., inception reports, feasibility study reports, survey reports, interim reports, progress reports etc.;
- Review/check/certify documents like invoices, MBs, bills etc. and prepare observations/findings thereby to place before his/her supervisor.
- Assist in recommendation for implementation of corrective actions and suggest program improvements.
- S/he will be stationed at the site(s) to provide with all relevant field based service delivery and will assist PIU in the supervision of construction/installation/survey works through extensive site visits ensuring qualitative and quantitative aspects;
- Liaise with concerned agencies/offices in connection with land acquisition/requisition/lease and any other project related issues;
- Assist to carry out detailed engineering analysis and other works as may support the successful preparation and execution of OPBC dredging, installation & maintenance of Aids to Navigation, river terminals, landing ghats, vessel storm shelters and idle berthing centres etc. under the project.
- Any other activity instructed by his/her supervisor as deemed necessary for the interest of the BRWTP1 project.

Qualifications

- a. At least Bachelor Degree in Water Resources Engineering/ Civil Engineering/ Civil & Environmental Engineering or related degree from a reputed University.
- b. At least Five (5) years' experience in Civil Engineering Construction Sector. Experience in Dredging works, River Training and/or Hydraulic Structures shall be preferred.
- c. Experience and skills with Construction Supervision & Management is a mandatory requirement. Knowledge in MS Project and Auto-CAD will be added advantages.
- d. Excellent communications skills in English including for general communication and report writing in an ICT environment.
- e. Must not be above 50 years of age.

Type & duration of contract

The contract used for the proposed consulting services shall be standard Time-based contract. Duration of the contract will be 55 (fifty-five) person-months for each Individual Consultant subject to satisfactory performance.

Reporting

He/she will be reporting to the PIU official as assigned by the Project Director, BRWTP1 project.