

BANGLADESH REGIONAL CONNECTIVITY PROJECT -1 (P154580)**Terms of Reference for Consulting Services****IT SPECIALIST (BLPA-S10)****1. Introduction and Background**

The Government of The People's Republic of Bangladesh has received an USD 150 million Credit from the International Development Association (IDA) – a member of the World Bank Group – for financing the cost of the *Bangladesh Regional Connectivity Project 1* (BRCP-1), being jointly implemented by the Bangladesh Land Port Authority (BLPA), National Board of Revenue (NBR) and Ministry of Commerce. Now the BLPA intends to apply part of the IDA Credit for procuring the services of an IT Specialist for its Project Implementation Unit (PIU).

The Project Development Objective is to improve conditions for trade through improving connectivity, reducing logistics bottlenecks and supporting the adoption of modern approaches to border management and trade facilitation.

The Project consists of three (3) major components of which the below component will be implemented by BLPA:

Component 1: Invest in infrastructure, systems and procedures to modernize key selected land ports essential for trade with India, Bhutan and Nepal. The key activities under this component are:

- (i) Development and improvement works at four land ports along the Southwest to Northeast Corridor that are key to facilitating regional and transit trade. These include: Bhomra on the southwest border of Bangladesh, Sheola which would be a greenfield land port (it is currently a Land Customs Station with almost no infrastructure), and third land port at Ramgarh on the border with Tripura State, Northeast India,
- (ii) The Project will also finance measures to improve physical security and manage access risks at the Benapole land port, Bangladesh's largest and busiest land port, which experiences significant security and leakage problems. Activities to be financed include a high-capacity perimeter fence, a CCTV system, and a gate pass system.

BLPA, an autonomous body established under the Ministry of Shipping, is responsible for the component's overall implementation, management and monitoring. BLPA was set up for development, maintenance and operation of land-ports with the neighboring countries of Bangladesh.

BLPA will set up a Project Implementation Unit (PIU) to oversee the development and execution of the project. The PIU will be led by a Project Director and will be located in Dhaka. The PIU will be assisted by a group of individual experts of diverse disciplines. The **IT Specialist** will be a member of the team of experts.

2. Objective

The main objective of appointing the **IT Specialist** is to design non-obtrusive surveillance system and a gate pass system for Benapole land port as well as oversee its implementation. The Consultant is to advise the PIU in upgrading of the present surveillance system at Sheola, Bhomra and Ramgarh land ports.

3. Scope of Services

The overall responsibility of the **IT Specialist** will be to design and oversee implementation of non-obtrusive surveillance system and a gate pass system at Benapole land port. The specific responsibilities of the specialist will be, but not limited to, the following:

A. Benapole Land Port

- a) Review the existing flow of goods, trucks, users and officials within the bonded area.
 - b) Review the existing traffic to and from the port and logistic requirements of the drivers of the goods trucks at the port.
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- c) Review the existing deployment of security staff, customs officials and quarantine officials in view of present goods traffic, customs checking requirements, undue delays and pilferages faced by the users.
- d) Review the functioning of the existing gate control system.
- e) Review the present lighting system within the land port premises.
- f) Organize a workshop of the land port stakeholders and discuss the review findings and possible IT based solutions.
- g) Design a system architecture of necessary non-obtrusive PTZ and IP cameras as well as NVR, Media Converters, switches and data storage device at secure locations. The network needs to be connected by secure data cable and display points at strategic locations.
- h) Design a gate pass system including a tamper-proof data storage system that is adequate for official purposes, user friendly and curbing any chance of mismanagement.
- i) Plan a power supply and backup system for the designed surveillance and gate-pass system.
- j) Plan a power supply and backup system for nighttime lighting within the land port premises.
- k) Draft specifications of the goods and services to be procured to implement the recommendations.
- l) Prepare bill of quantities and locate the possible vendors for the supply and implementation.
- m) Help PIU in drafting the bid evaluation criteria and assist in bid evaluation.
- n) Oversee and supervise the implementation of the designed system.
- o) Arrange trainings to PIU staff on use and maintenance of the installed systems.
- p) Prepare as-built-drawing of the installed systems.

B. Sheola, Bhomra and Ramgarh Land Ports

- a) Review the existing flow of goods, trucks, users and officials within the bonded area.
- b) Review the existing traffic to and from the port and logistic requirements of the drivers of the good trucks at the port.
- c) Review the existing deployment of security staff, customs officials and quarantine officials in view of present goods traffic, customs checking requirements, undue delays and pilferages faced by the users.
- d) Review the functioning of the existing gate control system.
- e) Review the present lighting system within the land port premises.
- f) Organize workshops of the land port stakeholders and discuss the review findings and possible possible IT based solutions.

4. Duration

Duration of the consultancy services would be for 12 (twelve) months: on intermittent basis.

5. Institutional Arrangement:

The Consultant will work under direct control of the Project Director. The Consultant will report directly to the Project Director with close collaboration with other officials of the Project. The Consultant shall be accountable to the Project Director for his/her day to day activities. BLPA will provide working space and office consumables for the expert at PIU premises in Dhaka.

6. Reporting Requirement

The Consultant will prepare and submit monthly and quarterly progress reports to BLPA covering the activities and achievements in the reporting period as well as the plan for the next reporting period.

7. Education and Experience

- Minimum Bachelor's Degree in Electrical & Electronic Engineering or in a relevant subject. Degree in Computer Sciences will be an added advantage. Trainings on surveillance systems will be necessary. .
- 5 years of minimum experience as network engineer, electrical engineer with experience of completing at least one task of similar nature and complexity is a must.
- Work Experience in any security sensitive surveillance assignment is highly desired.
- Excellent communication skills and knowledge on recent development in surveillance technology are highly desired.

8. Selection Method

Selection of the IT Specialist will follow the procedures for selecting Individual Consultants described in the World Bank's Procurement Regulation for IPF Borrowers, July 2016.