

Terms of Reference (ToR), Revised

Design, Development, and Implementation of an Integrated Vessel Registration, Data Collection, Verification, Monitoring, Reporting and Electronic Record Management System for the E-Inland Water Traffic Management System (E-IWTMS) of BIWTA

1. About the Organization

Bangladesh is a riverine country with an extensive network of rivers, tributaries, and canals that span approximately **24,000 kilometers** of inland waterways. Among these, nearly **6,000 kilometers** are accessible to mechanized river crafts, and **3,800 kilometers** remain navigable throughout the year. This vast network enables water transport to reach remote regions that are otherwise difficult to access via road or rail. The **Bangladesh Inland Water Transport Authority (BIWTA)** is the central regulatory and development agency responsible for managing and enhancing the inland water transport (IWT) network in Bangladesh. Established to promote safe, efficient, and sustainable inland navigation, BIWTA plays a vital role in the nation's overall transport infrastructure and economic connectivity.

BIWTA's operational mandate includes regulating water transport services, maintaining navigability through dredging, constructing and maintaining terminals and landing stations, and ensuring safety and efficiency of riverine traffic. The organization also facilitates trade and commerce by supporting the movement of goods and passengers through key maritime gateways, notably the ports of Chittagong and Mongla. According to BIWTA's 2006 consultancy report, the IWT system transported **over 102 million passengers** and **30 million metric tons of freight** in 2005 alone. With a performance of **10.22 billion passenger-kilometers** and **4 billion ton-kilometers**, the inland waterways play a crucial role in national logistics, regional development, and socioeconomic mobility.

2. Project Background

The Bangladesh Inland Water Transport Authority (BIWTA), as the implementing agency responsible for managing and developing the country's inland waterway infrastructure, is undertaking an initiative to enhance the accuracy, completeness, and accessibility of its operational asset and infrastructure records. This initiative forms part of BIWTA's broader strategy to support data-driven planning, performance monitoring, and service delivery across its operational sites and field offices.

Despite its critical role in inland water transport, BIWTA continues to maintain a significant portion of its vessel-related and operational information in manual, paper-based formats. This reliance on physical records has resulted in fragmented data, inconsistencies in record-keeping, and limited accessibility to current operational information. These limitations hinder effective decision-making related to fleet deployment, maintenance



planning, compliance monitoring, and infrastructure utilization. The absence of a centralized digital repository further impedes BIWTA's ability to ensure transparency, accountability, and coordination across its functional units. Moreover, the lack of structured metadata and search-enabled documentation prevents efficient tracking of vessel history, asset performance, and document verification.

At present, vessel registration records, survey documents, route permits, conservancy records, personnel details, and related operational information are maintained across multiple departments in largely manual and semi-structured formats. This fragmented approach limits real-time visibility, weakens verification and monitoring mechanisms, and constrains BIWTA's ability to generate reliable operational and regulatory reports.

To address these limitations, BIWTA seeks to design, develop, and implement a centralized digital system that enables direct structured data collection and data entry, validation, verification, monitoring, reporting, and electronic record management through standardized workflows. Under this initiative, the bidder shall be engaged to carry out field-level data gathering from multiple BIWTA locations and digitize the collected information in line with predefined formats and quality control protocols. The proposed system should allow authorized BIWTA officials, vessel owners, and other stakeholders to submit, verify, approve, and manage vessel and operational data through a secure, role-based platform. All data captured through field operations, document scanning, and stakeholder submissions shall be entered directly into the system, ensuring traceability, auditability, and real-time availability of information. The digitized records should support improved oversight of assets and infrastructure, enable more informed resource planning, and enhance institutional reporting capabilities. This effort shall also lay the groundwork for a fully integrated digital management system, reduce manual errors, and facilitate long-term modernization of BIWTA's operational framework.

2.1. Overview of the e-Traffic Management System

BIWTA is concerned with the management and operation of inland ports as well as inland water traffic and inland cum coastal water traffic. They are providing the inland ports along with the inland water traffic for private and public vessel owners who are giving transportation service to the citizens. Services of BIWTA are broadly classified under two heads - development and maintenance and regulatory functions. Their existing processes are very time-consuming and costly. Though the existing process is manual, there consists of much more paperwork which is a lengthy process. BIWTA has decided to convert all services of the concerned will be digitized to a uniform standard and incorporated in a centralized platform. This proposed solution will access every service through a single one-stop virtual access point in different platforms like Mobile apps or web. Moreover operational, technical management, and maintenance will be managed centrally, which will be easier, less complex than the existing system.

These days one can effectively track and monitor everything that one wishes for a e-traffic management system, as the name suggests is a collection of equipment which enables inland transport vessels to track, identify and monitor a ship's position, location and any other detail that might be important in maneuvering and stabilizing a ship's route and

course. GPS based real time traffic management through web-based tracking and navigation technology. This software uses GIS based software and technologies. The project aims at the operational management of vessels and the forward planning of vessel movements to prevent congestion and dangerous situations and is particularly relevant in times of high traffic density or when the movement of special transports may affect the flow of other vessels. The importance of Vessel Traffic services can be better understood from the functions it plays in managing ship traffic. The key importance of VTS is for managing vessel traffic. This further helps ensure safety of vessels, along with helping attain maximum traffic flow from any given route. Vessel traffic services chiefly include devices to collect and transmit vessel information. This information is further transmitted to various vessels in each VTS zone. This helps the vessels' driver/master to make better navigational decisions and decide their routes.

Project Objective:

- To provide Intelligent, fast and transparent service to citizens.
- The Service recipients will access every service through one stop virtual access point in different platforms like Mobile Apps or Web or Call Center to avoid hassle.
- The Technologies and UI will be similar, consistent and maintain the same standard for all the applications and digital services under the scope of the same integrated service delivery platform.
- Operational & technical management and maintenance will be managed centrally, which will be easier, less complex.
- Integration with the external and internal systems will be conducted only once, which is easier and will save time and effort as well.
- Training, Knowledge Transfer, Capacity Development and integration will be more organized; easier and efficient.

The following are major components and functional features.

a. Time-table and Fare Management System

This module of this e-Service application will ease all the tasks related to time table and fare/cost. BIWTA will be able to set the Time Table and Fare Chart from their portal and this process will be executed with a multi-level approval process which will be managed by integrating this system with d-Nothi. The vessel owner will be able to apply for a time table. The vessel owner will be able to collect a Time Table Certificate from the system and this certificate will be visible on the online portal of the vessel owner. BIWTA will be able to prepare the fare chart for different routes by the system. On request [s1] [m2] [m3] [m4] this fare chart will be visible to the vessel owner for each vessel.

b. Requisition Management System

This module of the application will enable registered users to apply for the requisition for different items by online requisition form and the vessel owner [s5] [m6] [m7] can also apply for the private requisition. It will be submitted to the portal. The requisition form will be routed automatically to the concerned person as per the authorization matrix.

BIWTA will be able to access the requisition for different items submitted by vessel owners and registered users and provide approval.

c. Vessel Navigation Management System

From this Vessel Navigation Management System of the e-Inland Water Traffic Management System, Vessel owners/masters/passengers will get different information like weather information, route information from the portal for specific vessels. It will depend upon the availability of related information.

d. Departure and Arrival Information System (e-Ghat Management)

This system will be an important module for the developed eService application. BIWTA will be able to upload the ghat details information in this module. This module will contain ghat information, ghat details including arrival and departure time, and a time table chart as well. This module will also contain tentative arrival departure time for specific vessels.

e. Onboard Survey Process Management

This module will play an important role in the purpose of doing onboard surveys. BIWTA will be able to get the online onboard survey form and give approval with a notification when the form has been submitted by the vessel master. TI/TS will get a request for survey approval, and they will approve it with or without modification after physical inspection.

f. Marine Court Case Management

This module will handle all the court cases that are filed. BIWTA authority can log in to the system and find the case that is filed already. They can amend or set proper descriptions and submit the file. Vessel owners will be able to track their case files from their portal. Vessel owners will be able to file cases against BIWTA and that information will be updated on this module as well.

g. Conservancy Charge Collection Management System

This module will enable the vessel owner to make online payments for their Conservancy tax. A physical payment system is also allowed for this module. The system will generate certificates. with the approval of the BIWTA authority. BIWTA can get the due-list form of conservancy tax from the system.

h. Ticketing and Passenger Service Process Management

This module will help the passengers to buy their tickets online. The system will have all the information about the ships according to the time schedule so that passengers can easily access and select the seat and book as their preference if available. There will be online payment systems to buy tickets. There will also be a process to sell the tickets offline by the Ticket Counter. Tickets can be changed, cancelled, and the refund facility is also there if applicable. Ghat ticketing feature is also included in this module. One must follow this process to enter into the ghat.

i. General Configuration Management Platform



(Office, GO, Users, Organogram, User Role, Authentication, and Authorization Management)

This module will handle all kinds of general configurations of the e-Service application. There will be an ACL, that is an Access Layer to handle this management platform. There will be multiple types of users that are fully dynamic to have different access layers with different access controls.

3. Objective

The general objective of the assignment is to support BIWTA in creating a complete, accurate, and accessible digital record of its operational assets and infrastructure, with a specific focus on vessels, facilities, and field-level documentation. The Bidder should prepare and submit a digital repository of verified data entries, which should serve as a reliable reference for operational planning, infrastructure monitoring, and institutional reporting. During implementation, the Bidder must identify any data gaps or inconsistencies and should recommend appropriate corrective actions. This initiative must contribute to BIWTA's broader efforts to reduce reliance on manual record-keeping by enabling the transition to centralized digital systems. Furthermore, the assignment should strengthen operational traceability, enhance data-driven decision-making, and support the future development of digital platforms through a well-structured and accessible foundational dataset.

The specific objective of this assignment is to design, develop, implement, and operationalize an integrated digital system for vessel registration, data collection, verification, monitoring, reporting, and electronic records management under BIWTA. The objective of the project is following:

- Establishment of centralized, secure, and system-driven digital platform for the structured data entry, management of vessels, records, conservancy data under BIWTA's jurisdiction.
- Enable end-to-end digital workflows to implement configurable digital workflows covering from data submission to verification, approval, monitoring, and final reporting.
- Ensure data integrity, accuracy, and consistency to maintain high data quality standards, the system shall incorporate built-in validation rules, field-level controls, automated cross-verification checks, and mandatory data completeness indicators.
- Digitization and electronic archiving of legacy records through high-resolution document scanning, indexing, classification, and electronic archiving.
- Support real-time monitoring, reporting to provide operational visibility to BIWTA management for regulatory decision-making.

4. Scope of Work

The Bangladesh Inland Water Transport Authority (BIWTA) seeks the services of a qualified bidder to design, develop, and implement an integrated digital system for vessel registration, data collection, verification, monitoring, reporting, and electronic records management. The assignment

should cover end-to-end digitization of vessel and related inland water transport data, including field-level data capture from multiple BIWTA locations, structured data validation and verification, and secure migration of legacy records through document scanning, indexing, and electronic archiving. The system shall enable real-time monitoring, reporting, and centralized data management, ensuring accuracy, completeness, and auditability of operational information. The bidder shall also deliver capacity-building and hands-on training for BIWTA officials and system users to ensure sustainable system adoption. The expected outcome is a secure, scalable, and centralized digital platform that significantly enhances BIWTA's regulatory oversight and management capabilities, while establishing a strong foundation for the long-term digital transformation of Bangladesh's inland water transport ecosystem.

The scope of the assignment is-

Requirement Analysis & Assessment	Software Design, Development & Implementation	Data Collection	Document Scan & Upload
Data Entry	Data Sanity Check/ Data Validation	Real-time monitoring	Reporting

Requirement Analysis & Assessment:

As part of the preparatory and inception phase of the assignment, the Bidder should undertake a comprehensive Requirement Analysis & Assessment to ensure the successful design, development, and implementation of the integrated digital system for vessel registration, data collection, verification, monitoring, reporting, and electronic records management for BIWTA.

The assessment should begin with a detailed review of existing operational procedures, documentation practices, and record-keeping mechanisms across relevant BIWTA departments. This should include examination of physical registers, legacy files, digital spreadsheets, approval hierarchies, data templates, and metadata structures currently used for managing vessels, records and conservancy information.

The Bidder should conduct structured stakeholder consultations, workshops, and field visits across multiple BIWTA locations to gather functional requirements. This engagement should determine document types, validation standards, reporting and monitoring needs.

A comprehensive data framework should be developed, including standardized data fields, validation rules, document classification schemes, and metadata standards.

Bidder should design structured digital data collection and field verification checklists to support efficient and accurate field-level data capture.

Software Design, Development & Implementation:

The Bidder shall design, develop, configure, and implement a secure, scalable software solution in accordance with the approved Functional and System Requirements. The system shall support real-time monitoring, role-based access control ensuring reliable performance, data integrity, and sustainable operational adoption across BIWTA.

Functional Module and Requirements:

Functions	Requirements:
Organization Management Module	<p>The system should include an Organization Management Module to register, classify, and manage BIWTA, government, private, and association entities with profile management and employee linkage. It should support document upload with validity tracking, role-based access control, notifications for secure and compliant data exchange.</p> <p>Key Features:</p> <ul style="list-style-type: none">• Organization profile management• Organization type-wise classification• Document upload with validity tracking• Organization-level user access control <p>Notifications and comments</p>
User Management Module	<p>The system should include a user management module to register and manage personnel associated with organizations and vessels, role-wise classification, and organization-wise listing. It should support certificate upload and validation, role-based access control, self-service updates for secure and synchronized data management.</p> <p>Key Features:</p> <ul style="list-style-type: none">• User role management• Organization-wise and role-wise listing• User self-service portal• Role-based access control
Vessel Registration	<p>This module should provide a centralized and authoritative digital platform for the registration of all vessels operating under the jurisdiction of Bangladesh Inland Water Transport Authority. The module should serve as the core reference for monitoring, and reporting across all vessel-related processes.</p> <p>Key Features:</p> <ul style="list-style-type: none">• Vessel registration and profiling• Registration certificate management• Route permit, and conservancy linkage• Status tracking



Vessel Configuration & Data Entry Module	<p>The system should include a Vessel Configuration & Data Entry Module to register and manage passenger and goods vessels with comprehensive profile, technical specifications, safety checklist, and certification records. It should support document upload to ensure synchronized, accurate, and compliant vessel data management.</p> <p>Key Features:</p> <ul style="list-style-type: none"> • Vessel profile • Safety equipment checklist • Engine and structural details • Survey and certification records
Electronic Record Management Module	<p>This module should provide a secure, centralized, and structured electronic repository for the management of all documents associated with persons, vessels, organizations, and operational processes under Bangladesh Inland Water Transport Authority. The module should support the of digital records, ensuring integrity, traceability, accessibility, and long-term preservation of official documents.</p> <p>Key Features:</p> <ul style="list-style-type: none"> • Scanning, indexing, and electronic archiving • Document scanning and bulk upload • Metadata tagging and indexing • Secure electronic archiving • Fast search and retrieval functionality

Data Collection:

The Bidder should collect all required documents and operational information for each vessel from 08 (eight) collection points of BIWTA. Bidders must input information predefined data fields including infrastructure details and location-specific information. A vessel-wise Document Collection Checklist should be maintained to ensure systematic tracking of each document’s collection status. During every field visit, the Bidder must update the checklist by marking the status of each document individually to enable real-time monitoring. In cases where multiple visits are necessary, each visit must be accurately logged. These records serve as a basis for evaluating the performance of the field team and the responsiveness of document providers.

S/N	Collection Point / Organization	Role / Notes
1	BIWTA: Marine Safety & Traffic Management Department	Responsible for navigation aids and river traffic coordination.

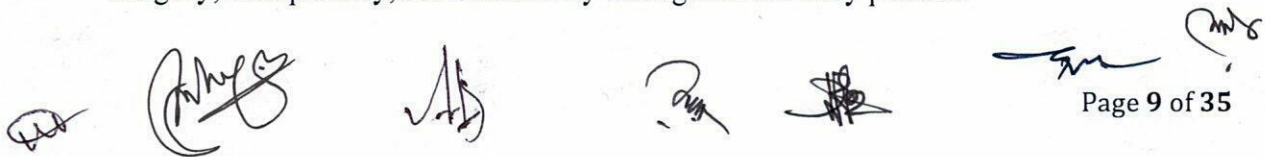
2	BIWTA: Dredging Department	Oversees river maintenance, dredging, and embankment upkeep.
3	BIWTA: Ghat/ Terminal <i>(e.g.: ShadarGhat)/TI-TS</i>	Manages ghats, terminals, and passenger/transport operations.
4	BIWTA: ICT Department	Oversees digital systems, data collection, and reporting tools.
5	BIWTA: Port Department	Supervises port operations, cargo handling, and docking management.
6	BIWTA: Finance Department	Manages financial records, fees collection, and budgeting.
7	BIWTA: Hydrography Department	Conducts surveys, depth measurements, and navigational chart updates.
8	Vessels Organizations/ Company/ Vessels Owner Associations	BIWTA will appoint a single focal representative/team to coordinate with all vessel operators.

Document Scan & Upload:

The Bidder shall ensure that all physical documents collected during the field visits are properly scanned, uploaded, and subjected to a thorough quality control (QC) review. For each vessel, a dedicated Document Scan & Upload Checklist must be maintained to track the scanning and upload status of individual documents. The Bidder must adhere strictly to BIWTA's prescribed digital archiving standards, ensuring that all uploaded files are complete, legible, and correctly named for easy retrieval. The responsibility also includes storing the scanned documents in designated folders organized by Organization, Vessel, and Employee. This process is critical to maintaining a centralized, accurate, and audit-ready digital repository of vessel documentation.

Data Entry:

The Bidder shall be responsible for entering all verified vessel data into the designated system using formats and structures prescribed by BIWTA. A vessel-wise Data Entry Checklist must be maintained to monitor the progress and accuracy of each record. The checklist should reflect real-time status updates indicating the stage of completion and quality assurance for every data entry item. This structured approach shall ensure data integrity, transparency, and traceability throughout the entry process.



Data Sanity Check/ Data Validation:

To ensure the accuracy and reliability of all collected and entered data, the Bidder shall implement a structured data validity check process in alignment with BIWTA's data governance standards. Each data record must be reviewed for completeness, consistency, and adherence to defined formats and field types. Mandatory fields must not be left blank, and values must fall within acceptable and logical ranges (e.g., date of registration, engine capacity, vessel length). Cross-verification with original source documents shall be required to confirm authenticity and accuracy. Duplicate records must be identified and flagged, while data anomalies or inconsistencies should be escalated for correction. All validation activities must be documented, and a validation checklist should be maintained to record issues, resolutions, and approval status. The Bidder should ensure that only validated and quality-assured data is finalized for upload into BIWTA's central system.

For the data entered from the Tenderers end, the concerned PE may be from various organizations. Along with the facilitation of Data Entry, the bidder shall contact the respective PEs, under BIWTA or other organizations, and facilitate the verification.

Data Validation & Monitoring Process

1. Data Validation:

A designated **committee shall be responsible for validating all submitted data** to ensure accuracy and completeness before further processing.

2. Reference Document/ Checklist:

To successfully start the data collection and data entry of e-Inland Water Traffic Management System, need some information on several ends which are:

1. Vessel owner organization information,
2. Vessel information,
3. Selected routes and ghats information,
4. Service recipient users (Vessel owner, Owner representative, and Vessel Master) information, and
5. BIWTA officials and user information.

The following is the list of information which shall be needed and keep in the system for data collection & entry process.

Information needed against selected vessel owner organizations:

Followings documents needed to be scanned & uploaded to the system, against selected organizations:

1. Trade license,
2. Photo and NID copy of the owner of the organization,
3. Letter of authorization against representative / manager,



4. Photo and NID copy of the organization representative / manager,
5. Office identification card of the organization representative / manager (If possible),

Along with the above documents I need the following information:

1. Organization valid phone number and email address,
2. Organization owner's valid phone number and email address,
3. Organization representative / manager valid phone number and email address,

Information needed against selected vessels:

Followings documents needed to be scanned & uploaded to the system against selected vessels:

1. Time table and Route permit application, *(memo/money receipt)*
2. Time table and Route permit certificate,
3. Registration certificate, *(memo/money receipt)*
4. Survey certificate, *(memo/money receipt)*
5. Survey checklist,
6. Conservancy certificate, *(memo/money receipt)*
7. Conservancy bill book,
8. Conservancy return,
9. Conservancy deposit slip (if possible), *(memo/money receipt)*

Although following Personnel information is associated with vessels, the system stores these separately against each Personnel for future utilization.

10. In-charge master competency certificate,
11. In-charge master NID & Mobile Number, Photo, Email
12. Another master/s competency certificate,
13. Other master/s NID & Mobile Number, Photo, Email
14. In-charge driver competency certificate,
15. In-charge driver NID & Mobile Number, Photo, Email
16. Another driver/s competency certificate,
17. Other driver/s NID & Mobile Number, Photo, Email
18. All masters and drivers NID,
19. Photo of all the personnel.

Following information is also needed to track respective entities:

1. In-charge masters' valid phone number and email address,
2. All masters and all drivers valid phone number email addresses (if possible),
3. BIWTA office location of the vessel file.

Ghat information and BIWTA officials' information:

Employee information of the BIWTA officials who will be the users of this system:

1. Desk officers who will be the entry users,






2. First class officers who will give approvals in the system,
3. Ghat information of the selected routes (Address, Ghat in charge name, Authorized port office name, Ghat phone number, Ghat email address, Latitude, and Longitude),
4. Ghat officials of the selected routes and TI / TS users who will declare voyage declaration and manage arrival & departure (for e-ghat management),
5. Management users who will get the reports generated by the system.

Along with the above information, following documents are needed to be scanned & uploaded to the system against each Employee:

1. Employee profile of the selected officials (Department, Designation, Employee type, Posting place, Position, Date of joining, Present address, and Permanent address)
2. NID of the selected officials,
3. Photos of all the personnel.

Besides above checklists, if any government and/or any autonomous organizations are required to be a user of the system, require their organizational information along with the user's valid phone number, email address, and NID.

Real-Time Monitoring & Reporting:

The Monitoring Module shall provide BIWTA with a centralized, real-time visibility layer across all data management activities under Bangladesh Inland Water Transport Authority. The system shall provide real-time monitoring of key activities including vessel registration, document uploads, data entry, verification, processes. Status updates shall be reflected instantly on dashboards, allowing authorized users to track progress.

Data Collection, Entry, and Validation Progress Tracking

The module should provide segment-wise and stage-wise progress indicators for data collection, data entry, document scanning, and data validation activities.

Compliance and Regulatory Status Monitoring

The system shall provide consolidated views of compliance status including:

- Validity of registration certificates
- Route permit, and conservancy compliance
- Expired, suspended, or non-compliant entities

Management and Executive Dashboards

The module shall include role-based dashboards tailored for senior management, operational supervisors, and system administrators. Executive dashboards shall present high-level summaries using key performance metrics, while operational dashboards shall provide detailed, drill-down views for day-to-day management.



Alerts, Notifications, and Exception Handling

The module shall generate automated alerts and notifications for critical events, such as certificate expiry, prolonged inactivity, data inconsistencies, or compliance violations. Exception dashboards shall highlight irregular conditions requiring immediate attention by designated authorities.

Audit and Activity Monitoring

The module shall support monitoring of user activities and system actions, including data modifications, approvals, document updates, and access logs. This feature shall strengthen accountability, transparency, and internal control mechanisms.

Data Readiness for Reporting

The Monitoring module shall ensure that all tracked data is structured and standardized, enabling system's reporting. Data shall be exportable for management review and audit purposes, subject to access permissions.

5. Functional Requirements (Cross-Cutting)

The proposed system shall incorporate the following cross-cutting functional capabilities across all modules to ensure consistency, security, usability, and interoperability:

Role-Based Access Control (RBAC)

The system shall implement a robust RBAC framework to ensure that users can access only the data and functionalities relevant to their designated roles and responsibilities. Access levels shall be configurable by organization, department, designation, and module. Administrative users shall have the ability to create, modify, and deactivate roles, assign permissions, and manage user hierarchies in alignment with BIWTA's governance structure.

Configurable Approval Workflows

The platform shall support configurable, multi-tier approval workflows applicable to registrations, certifications, document validations, and other operational processes. Workflow routing shall be rule-based, enabling escalation, delegation, rejection with comments, and automated notifications to ensure transparency, accountability, and timely decision-making.

Data Validation and Integrity Controls

Built-in validation mechanisms shall enforce mandatory fields, format checks, logical constraints, duplicate detection, and cross-module verification. The system shall maintain complete audit trails capturing all data creation, modification, approval, and deletion activities to ensure data accuracy, traceability, and compliance with regulatory standards.

Advanced Search, Filter, and Reporting Features

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The system shall provide powerful search and filtering capabilities using multiple parameters (e.g., vessel type, route, zone, organization, date range, status). Users shall be able to generate structured reports and export data in standard formats (PDF, Excel, CSV) to support operational monitoring and regulatory oversight.

Alerts, Notifications, and User Interaction Features

The platform shall include interactive features such as pop-ups, alerts, system notifications, comment tracking, and automated reminders for certificate expiry, pending approvals, and compliance deadlines. Notifications may be delivered through system dashboards, email, and SMS (where applicable).

6. Technical Requirements

The proposed solution shall comply with the following technical requirements to ensure performance, security, scalability, and long-term sustainability:

Web-Based Architecture:

The system shall be fully web-based, accessible through standard browsers without requiring client-side installation, ensuring centralized deployment, ease of maintenance, and accessibility across BIWTA offices.

Scalable Architecture:

The platform shall follow a service-oriented architecture allowing independent deployment and scaling of modules. The design shall support horizontal and vertical scalability to accommodate future expansion and increased user load.

Secure Authentication and Authorization:

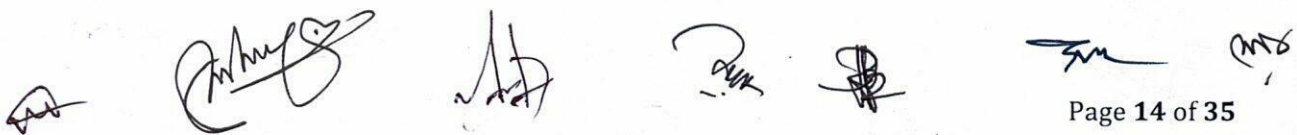
The system shall implement secure authentication mechanisms and robust authorization controls through role-based access control (RBAC) to prevent unauthorized access and ensure data confidentiality.

Centralized Logging and Monitoring:

A centralized logging and monitoring framework shall be implemented to capture system events, user activities, errors, and security incidents. Real-time monitoring dashboards and audit logs shall support system performance tracking, troubleshooting, and compliance verification.

7. Training:

The Bidder shall conduct structured training programs for data entry operators and relevant BIWTA stakeholders to ensure effective and sustainable use of the system. The training program shall enhance the practical skills of participants in using digital tools, software modules, and electronic documentation workflows relevant to the project, with a focus on improving speed, accuracy, data integrity, and operational efficiency in system-based data entry and management.

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The stakeholder training program shall be conducted over a period of three (3) working days for a total of 300 trainees. In addition to general data entry training, the program shall include module-wise practical sessions using the live or simulated system environment to ensure familiarity with real operational scenarios.

Additionally, a Training of Trainers (ToT) program for 15 BIWTA personnel shall be organized outside Dhaka for a duration of three (3) working days. This program shall include advanced training on system configuration, workflow management, user and role administration, dashboard monitoring, report generation, and first-level troubleshooting, enabling BIWTA to independently support and guide end users after project completion.

Furthermore, operational and administrative training for 5 BIWTA personnel shall be conducted in Dhaka for a duration of three (3) working days. This training shall focus on system administration, data validation and approval processes, monitoring and compliance oversight, backup and security awareness, and routine operational support.

The Bidder shall provide comprehensive software training materials, including user manuals, step-by-step guides, handouts, and practical exercises, in both hard and soft copy formats. All training sessions shall be supported with hands-on demonstrations, sample datasets, and practice environments. The Bidder shall provide and bear all costs related to training logistics, trainers, training materials, and essential training equipment, including computers, software access, and connectivity required for effective delivery.

8. Necessary Documents/Image List per Vessel/Location

Each vessel/location must include:

- Vessel registration certificate
- Crew license copies
- Operational logs
- Safety certificates
- Terminal documentation (staff list, terminal infrastructure image, utilities)
- Supporting documents as per BIWTA checklist

In details, Necessary/Mandatory Documents/Image list (to Collect, Scan & upload) for per-Vessel:

- Organization/Company's Logo
- Trade License (E-TLN)
- TIN (E-TIN) Certificate
- BIN Certificate
- NID Card of all user's/required user's (*maximum "Driver-2, Master-2, Manager-1", minimum "Driver-1, Master-1, Manager-1"*)
- In charge of Master (First Class) Certificate
- In charge of Master (Second Class) Certificate
- In charge of Driver (First Class) Certificate
- In charge of Driver (Second Class) Certificate
- Route Permits Application & Certificate

- Time-Table Application & Certificate
- Previous Conservancy Application
- Payment Slip (if applicable / manually deposited)
- Current Registration certificate
- Last Survey certificate
- Last Survey checklist
- Last Conservancy certificate
- Last Conservancy bill book
- Last Conservancy returns
- Last Conservancy deposit slip (if possible)

9. Timeframe

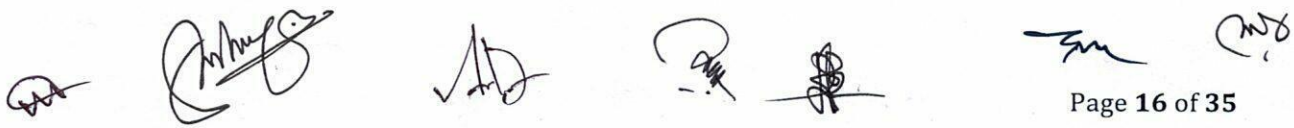
The overall project implementation period shall be completed within nine (9) months from the date of contract signing. The execution timeline should encompass requirement analysis, system design, development, testing, deployment, data entry, training, ensuring a structured and phased rollout within the stipulated duration.

10. Implementation Arrangements

The bidder shall carry out this assignment under the supervision of the position, department, BIWTA. The plan shall be reviewed and approved by BIWTA prior to commencement of system development and rollout activities. To successfully execute the tasks under this assignment, the bidder shall plan considering the requirements of the activities described in the scope of work section.

11. Professional Staffing

SL.	Position	No. of the Position(s)
1.	Project Manager (PM)	1
2.	System Analyst (SA)	1
3.	Database Administrator (DA)	1
4.	System Administrator (SA)	1
5.	Sr. Software Engineer (SSE)	1
6.	Software Engineer (SE)	2
7.	Information Security Expert (ISE)	1
8.	Software Quality Assurance Engineer (SQAE)	1
9.	Operations Supervisor (OS)	1



SL.	Position	No. of the Position(s)
10.	Field Supervisors (FS)	2
11.	Field Assistants (FA)	15
12.	Data Entry Coordinator (DEC)	2
13.	Data Entry Operator (DEO)	20
14.	QC/Verification Personnel	3
15.	Field Engineers (FE)	2
16.	Training Instructor	1
17.	Training Assistant	2

12. Professional Qualifications of the Team Members

SL	Position	Required Qualification	Required Experience
1.	Project Manager (PM)	Master's or bachelor's degree in computer science/information technology/business studies/management or related discipline (equivalent).	Minimum 10 years of professional experience, including 3 to 5 years managing large-scale IT/Software related projects. Should have expertise in team leadership, coordination with government/private stakeholders.
2.	System Analyst (SA)	Bachelor's degree in computer science, IT, Engineering, or science related field.	Minimum 7 years' experience as system analyst. Experience with large scale applications is an advantage.
3.	Database Administrator (DA)	Bachelor's degree in computer science, IT, Engineering, or science related field.	Minimum 7 years' experience in Database Administration. Experience with large scale applications is an advantage.
4.	System Administrator (SA)	Bachelor's degree in computer science, IT, Engineering, or science related field.	Minimum 5 years of professional experience. Should have expertise in large-scale IT/Software related projects.
5.	Sr. Software Engineer (SSE)	Bachelor's degree in computer science, IT, Engineering, or science related field.	Minimum 5 years' experience in software development Experience with similar









SL	Position	Required Qualification	Required Experience
			application development is an advantage.
6.	Software Engineer (SE)	Bachelor's degree in computer science, IT, Engineering, or science related field.	Minimum 3 years' experience in software development Experience with similar application development is an advantage.
7.	Information Security Expert (ISE)	Bachelor's degree in any discipline, preferably in Engineering, IT, Business Studies, Management, GIS, or Statistics.	Minimum 10 years of professional experience. Should have expertise in large-scale IT/Software related projects.
8.	Software Quality Assurance Engineer (SQAE)	Bachelor's degree in computer science, IT, Engineering, or science related field.	Minimum 3 years of professional experience. Should have expertise in large-scale IT/Software related projects.
9.	Operations Supervisor (OS)	Bachelor's degree in engineering/IT/Business Studies/Management or equivalent.	Minimum 5 years' experience in managing field operations for system implementation projects, including supervision of multiple teams and ensuring compliance with operational procedures.
10.	Field Supervisors (FS)	Bachelor's degree in any discipline, preferably in Engineering, IT, Business Studies, Management, GIS, or Statistics.	At least 2 years of experience supervising software development teams, conducting field verification, and reporting progress to management. Strong knowledge of similar projects is preferred.
11.	Field Assistants (FA)	Diploma or HSC in relevant discipline (minimum). Basic computer literacy is mandatory. Higher qualifications are an advantage.	At least 1 year experience in field IT/Software implementation related work. Knowledge of local geography and ability to communicate with team/stakeholders.
12.	Data Entry Coordinator (DEC)	Bachelor's degree in computer science, IT, Engineering, Business Studies, Management, Statistics or related field.	5 years' experience in managing teams in software development related works, with strong skills in data quality control, MIS/relevant systems,

SL	Position	Required Qualification	Required Experience
			and coordination with field teams.
13.	Data Entry Operator (DEO)	Minimum HSC or equivalent. Computer proficiency in MS Office and data management software. Higher qualifications are an advantage.	At least 1 year of experience in efficient data entry, including corroboration of scanned documents and uploading to central systems.
14.	QC/Verification Personnel	Bachelor's degree in Statistics/IT, Business Studies/Accounting/Management/Quality Management discipline or related discipline.	Minimum 3 years' experience in software development or data quality control, verification processes, and compliance. Experience with large datasets is an advantage.
15.	Field Engineers (FE)	Bachelor's degree in IT, Business Studies/Accounting/Management/ Statistics discipline or related discipline.	3 to 5 years' experience in field surveys, technical field work experience, and technical data verification or similar infrastructure projects.
16.	Training Instructor	Bachelor's degree in any discipline. Experience in large scale training is preferred.	Minimum 5 years of experience conducting training sessions for field staff, data entry personnel, and supervisors in software development fields. Experience with digital data process tools is preferred.
17.	Training Assistant	Diploma or bachelor's degree in any discipline.	2 years' experience in assisting with training logistics, participant coordination, and technical support during workshops or sessions.

13. Facilities to be provided by the Bidder

During the contract period and except those mentioned to be provided by the Client, The Bidder shall be fully self-sufficient in terms of:

- Office set-up
- Supplies
- Communications
- Computers
- Transport









Trainers and other manpower assigned by the Bidder need to be readily available throughout the assignment and shall discharge his/her responsibilities with due diligence and to the expected professional standards, skills, and integrity. In addition to the responsibilities of the bidder regarding activities mentioned in Scope of Work and the responsibilities of the key staff.

14. Methodology

The bidder must design a detailed fieldwork schedule, which shall be submitted for review and approval by BIWTA prior to commencement of activities. Dedicated field teams shall be assigned along with the necessary equipment to ensure efficient and timely data collection. The bidder must conduct internal quality checks on all data and documentation before final submission to ensure accuracy and compliance with project standards. Additionally, the bidder shall submit weekly progress reports to BIWTA, outlining completed tasks, challenges encountered, and corrective measures undertaken.

15. Tools and Devices

- Android tablets or smartphones with GPS
- Scanners or scanning apps
- Cameras (8MP+)
- Laptops
- Power and internet support

16. Deliverables

- Inception Report
- System Requirement Specification (SRS)
- Deployment Report
- Completed digital data templates per site
- Scanned and indexed document library
- Weekly progress reports
- Final Master Database

17. Confidentiality & Data Security

All data, documents, and system artifacts produced under this assignment shall remain the property of BIWTA. The bidder must ensure strict confidentiality and comply with applicable data protection regulations.

18. Payment Terms

- On completion of every 1000 vessels & corresponding information including Route, Organization, Personnel etc. The validation committee will certify.
- Vendor will submit bill after verifying from the committee.



- On completion, BIWTA will consider those vessels & Organization live & software activities will commence. Vendors will be responsible to rectify data if found wrong/ incorrect within the next 6 months of data entry.

19. Details of Data

BIWTA needs to prioritize according to category.

Here, No. of Vessels Based on Type:

SL	Type	Number
1	Bulk Carrier	9,735
2	Barge	1,090
3	Cargo	5,616
4	Coster	142
5	Dredger	1,698
6	Passenger	2,410
7	Tugboat	206
8	Workboat	145
9	Oil Tanker	735
10	Speedboat	932
11	Houseboat	25
12	Fishing boat	1,754
13	Ferry	35
14	Others	415
	Total (BIWTA Reg Vessel's Count)	24,938









20. Data Field Name of this Software

The following are the data field names organized by module.

Module Name	All Data Fields
Organizations/Company	Name
	TIN Number
	BIN Number
	Trade License Number
	Trade License Date of Expiry
	Active/inactive
	Organization Type
	District
	Thana
	Zone
	Mobile
	Email
	Organization Address
	Owner's Name(s) and Detail(s)
Necessary Documents/Image list (to Scan & upload) for Organizations	1. Organization/Company's Logo
	2. Trade License (E-TLN)
	3. TIN (E-TIN) Certificate
	4. BIN Certificate
	5. As more than what is required has been provided (to upload)
Employee	Employee ID
	Employee National ID
	Title
	Mr/Mrs/Others
	Employee Name
	Designation
	Doctor Employee
	Doctor
	Department
	Organization
	Vessel [If any]
	Ghat/ Office

	Zone
	Position
	Date Of Birth
	Gender
	Active
	Family & Emergency Contact Details
	Father's Name
	Mother's Name
	Spouse Name
	Emergency Contact Person
	Emergency Contact Number
	Emergency Contact Email
	Address & Contact Details
	Email
	Present Address
	Permanent Address
	Home Phone
	Mobile Phone
	Fax
	Professional Information: Certificate No
	Certificate Issue Date
	Certificate Expiry Date
	Certificate Grade
	User Information
	User Create - Full process
Necessary Documents/Image list (to Input Data, Scan & upload) for <i>Employee</i>	1. Profile/passport size picture
	2. Proven documents
	3. NID Card
	4. In charge Master / Driver / Engineer (First/Second Class) Certificate
	5. Father/Mother/Spouse/Emergency contact person's NID/necessary documents
	6. Office ID Card
	7. Visiting Card
	8. As more than what is required has been provided (to upload) on a case-by-case basis

Role	Parent Role
	Name
	Description
	Active/inactive
	Role Selection (need to select multiple - if required)
Application Type & Approval	Application Type List (9 types)
	BIWTA Approval Process wise User List and Hierarchy is needed
	Approval Group & Hierarchy Process
	<i>9 types are in below:</i>
	<i>Conservancy Charge</i>
	<i>Route and Time Table Permit</i>
	<i>Route Permit Cancel</i>
	<i>Onboard Survey</i>
	<i>Rental</i>
	<i>Marine Court Case</i>
	<i>Round Trip</i>
<i>Requisition</i>	
<i>Voyage Declaration</i>	
Ghat/ Office	Ghat Code
	Name in English
	Name in Bangla
	Zone
	Location
	In Charge Employee
	Ghat Phone
	In Lease
	Port
	Address
	Longitude (<i>Geo Location</i>)
	Latitude (<i>Geo Location</i>)
Route	Route Code
	Route Name

	Start Ghat
	End Ghat
	Route Ghat
	Ghat (need to select)
	Distance From First Ghat
	Distance From Previous Ghat
	Final Destination
Route Time Table	Vessel - select
	Route - select
	Up - Ghat Number
	Ghat Name
	Distance from 1st Ghat
	Distance from Previous Ghat
	Ghat Arrival Time
	Ghat Departure Time
	Terminal
	Pontoon
	Ghat Start <input type="checkbox"/> Between start to Final <input type="checkbox"/> Final Ghat
	Down - Ghat Number
	Ghat Name
	Distance from 1st Ghat
	Distance from Previous Ghat
	Ghat Arrival Time
	Ghat Departure Time
	Terminal
	Pontoon
	Ghat Start <input type="checkbox"/> Between start to Final <input type="checkbox"/> Final Ghat
Vessel	General Information
	Vessel Name in Bengali
	Vessel Name in English
	Registration Number
	Registration Date

Mobile No
Route Information
Route Permit Rate
Current Route
Route Permit Number
Route Permit Issuance Date
Route Permit Expiry Date
Survey Information
Survey Certificate Number
Survey Certificate Issuance Date
Survey Certificate Expiry Date
Structural & Capacity Information
Number of Floors
Capacity (Ton)
Vessel Length (meter)
Vessel Width (meter)
Vessel Height (meter)
Passenger Capacity (Day)
Passenger Capacity (Night)
Passenger Capacity (Day & Night)
Passenger Capacity Main Deck (Day)
Passenger Capacity Main Deck (Night)
Passenger Capacity Upper Deck (Day)
Passenger Capacity Upper Deck (Night)
Passenger Capacity Bridge Deck (Day)
Passenger Capacity Bridge Deck (Night)
Number of Single Cabin in Upper Deck
Number of Double Cabin in Upper Deck
Number of Single Cabin in Main Deck
Number of Double Cabin in Main Deck
Vessel Detail
Type
Sub Type
Organization
Active/In-Active
Conservancy Fees Information

	Conservancy Rate
	Conservancy Certificate Number
	Conservancy Certificate File Number
	Conservancy Certificate File Office Place
	Return Last Payment Date
	Return Submission Period (From Month)
	Return Submission Period (To Month)
	Conservancy Certificate Issuance Date
	Conservancy Certificate Validity Date
	Conservancy Certificate Validity Months
	Crews
	First Class Master Count
	Second Class Master Count
	Third Class Master Count
	First Class Driver Count
	Second Class Driver Count
	Third Class Driver Count
	Crew Mates Count
Necessary Documents/Image list (to Input Data, Scan & upload) for <i>Vessel</i>	1. Profile/passport size picture
	2. Proven documents
	3. NID Card
	4. In charge Master / Driver / Eng (First/Second Class) Certificate
	5. Father/Mother/Spouse/Emergency contact person's NID/necessary documents
	6. Office ID Card
	7. Visiting Card
	8. As more than what is required has been provided (<i>to upload</i>) on a case-by-case basis
Voyage Declaration	Voyage information
	Is there a storm signal?
	Crew
	Staff
	Passenger information
	Cargo capacity

	First class
	Deck class
	Luxury class
	Child class
	Summary
	Number of passengers at departure from port
	Declaration of Statements
Necessary Documents/Image list (to Scan & upload) for Voyage Declaration	1. Route Permits Certificate
	2. Previous Conservancy Application
	3. Last Survey Certificate
	4. As more than what is required has been provided (<i>to upload</i>)
Requisitions	From Date / Start of Term
	Payment Due Date
	Payable Fee
	Until Date / End of Term
	VAT
	Remarks
	Payment Type / Mode of Payment
	Notes
	Rent Recipient Information / Name
	National ID
	Organization Name [if applicable]
	Purpose
Necessary Documents/Image list (to Scan & upload) for Requisitions	1. Payment Slip (if manually deposited)
	2. Previous Conservancy Application
	3. Current Registration certificate
	4. Last Survey certificate
	5. Last Survey checklist
	6. Last Conservancy certificate
	7. Last Conservancy bill book
	8. Last Conservancy returns
	9. Last Conservancy deposit slip








	10. As more than what is required has been provided (<i>to upload</i>)
Conservancy Charge	Vessel & Owner
	Payment Month
	From Date (Start of Term)
	To Date (End of Term)
	Payment Due Date
	Tariff / Tax Rate
	Vessel Capacity (Cargo/Passenger)
	Annual Fee
	Half-Yearly Fee
	Quarterly Fee
	Interest / Penalty
	Availed Exemption Benefits
	Conservancy Charge
	VAT
	Advance Payment
	Total Amount (Including VAT)
	Remarks
	Payment Type / Mode of Payment
	Payable Charges
	Additional Comments
Receipt No.	
Deposit Date	
Notes	
Necessary Documents/Image list (to Scan & upload) for Conservancy Charge	1. Payment Slip (if manually deposited)
	2. Previous Conservancy Application
	3. Current Registration certificate
	4. Last Survey certificate
	5. Last Survey checklist
	6. Last Conservancy certificate
	7. Last Conservancy bill book
	8. Last Conservancy returns
	9. Last Conservancy deposit slip

	10. As more than what is required has been provided (<i>to upload</i>)
Route Permits Application	Route Route & Timetable Permit Application Type: Route Permit Application Route Permit Number Current Permit Validity Applied Route Permit / Timetable Start Date Applied Route Permit / Timetable End Date Payment Details Payment Method Payable Charges Remarks Receipt No. Deposit Date Notes
Necessary Documents/Image list (to Scan & upload) for Route Permits Application	1. Payment Slip (if manually deposited) 2. Previous Conservancy Application 3. Current Registration certificate 4. Last Survey certificate 5. Last Survey checklist 6. Last Conservancy certificate 7. Last Conservancy bill book 8. Last Conservancy returns 9. Last Conservancy deposit slip 10. As more than what is required has been provided (<i>to upload</i>)
Route Permits Renewal	Vessel and Owner Route Route and Timetable Permit Application Type: Route Permit Renewal Route Permit Number Current Permit Expiration Start Date of Route Permit/Timetable Applied End Date of Route Permit/Timetable Applied
<i>if recent captured renew info, then it must be entry with extra fields</i>	

	Deposit Details
	Payment Type
	Charges Payable
	Comments
	Receipt No.
	Date of Submission
	Notes
Necessary Documents/Image list (to Scan & upload) for Route Permits Renewal	1. Payment Slip (if manually deposited)
	2. Previous Conservancy Application
	3. Current Registration certificate
	4. Last Survey certificate
	5. Last Survey checklist
	6. Last Conservancy certificate
	7. Last Conservancy bill book
	8. Last Conservancy returns
	9. Last Conservancy deposit slip
	10. As more than what is required has been provided (<i>to upload</i>)
Time-Table Permits	Vessel and Owner
	Route
	Route and Timetable Permit
	Application Type: Timetable Application
	Route Permit Number
	Current Permit Expiration
	Start Date of Route Permit/Timetable Applied
	End Date of Route Permit/Timetable Applied
	Deposit Details
	Payment Type
	Charges Payable
	Comments
	Receipt No.
	Date of Submission
	Notes
	1. Payment Slip (if manually deposited)

Necessary Documents/Image list (to Scan & upload) for Time-Table Permits	2. Previous Conservancy Application
	3. Current Registration certificate
	4. Last Survey certificate
	5. Last Survey checklist
	6. Last Conservancy certificate
	7. Last Conservancy bill book
	8. Last Conservancy returns
	9. Last Conservancy deposit slip
	10. As more than what is required has been provided (<i>to upload</i>)
	Time-Table Renewal
<i>if recent captured renew info, then it must be entry with extra fields</i>	Route
	Route and Timetable Permit
	Application Type: Timetable Application
	Route Permit Number
	Current Permit Expiration
	Start Date of Route Permit/Timetable Applied
	End Date of Route Permit/Timetable Applied
	Deposit Details
	Payment Type
	Charges Payable
	Comments
	Receipt No.
	Date of Submission
Notes	
Necessary Documents/Image list (to Scan & upload) for Time-Table Renewal	1. Payment Slip (if manually deposited)
	2. Previous Conservancy Application
	3. Current Registration certificate
	4. Last Survey certificate
	5. Last Survey checklist
	6. Last Conservancy certificate
	7. Last Conservancy bill book
	8. Last Conservancy returns
	9. Last Conservancy deposit slip
	10. As more than what is required has been provided (<i>to upload</i>)

Route Permits Cancel	Payment Type
	Charge Payable
	Receipt No.
	Comments
	Date Submitted
	Official Information
	Notes
Necessary Documents/Image list (to Scan & upload) for Route Permits Cancel	1. Payment Slip (<i>if needed</i>)
	2. Previous Route Permit Application
	3. Current Registration certificate
	4. Last Survey certificate
	5. Last Survey checklist
	6. Last Conservancy certificate
	7. As more than what is required has been provided (<i>to upload</i>)
Rentals	Applicant Organization
	Vessel / Rentable Asset
<i>if recent captured Rental - info, then it must be entry with extra fields</i>	Term Start Date
	Payment Due Date
	Payable Fee
	Term End Date
	VAT
	Remarks
	Payment Method
	Notes
Necessary Documents/Image list (to Scan & upload) for Rentals	1. Payment Slip (if manually deposited)
	2. Previous Conservancy Application
	3. Current Registration certificate
	4. Last Survey certificate
	5. Last Survey checklist
	6. Last Conservancy certificate
	7. Last Conservancy bill book
	8. Last Conservancy returns

	9. Last Conservancy deposit slip
	10. As more than what is required has been provided (<i>to upload</i>)
Round Trips <i>if running -then must entry</i>	Applicant Institution
	Vessel or Rentable Asset
	Term From
	Final Date of Payment
	Fees Payable
	Term To
	Payment Type
	Notes
Necessary Documents/Image list (to Scan & upload) for Round Trips	1. Payment Slip (if manually deposited)
	2. Previous Conservancy Application
	3. Current Registration certificate
	4. Last Survey certificate
	5. Last Survey checklist
	6. Last Conservancy certificate
	7. Last Conservancy bill book
	8. Last Conservancy returns
	9. Last Conservancy deposit slip
	10. As more than what is required has been provided (<i>to upload</i>)
Tracking Device/ Navigation's - Data Collection Points from BIWTA (Master/Reference Data)	1. Total required fields = 60+
	2. Necessary attached Documents
	3. Main cycles per entry
	To data entry - Tracking Device/ Navigation Process Flow
	1. At first collect the data from the end-point
	2. From the Hydrography department or collection points
Necessary Documents/Image list (to Scan & upload) for Tracking Device/ Navigation	1. Payment Slip (if manually deposited)
	2. Previous Conservancy Application
	3. Current Registration certificate
	4. Last Survey certificate
	5. Last Survey checklist
	6. Last Conservancy certificate










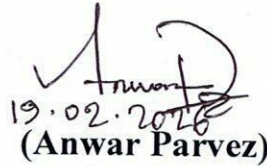
- | |
|---|
| 7. Last Conservancy bill book |
| 8. Last Conservancy returns |
| 9. Last Conservancy deposit slip |
| 10. As more than what is required has been provided |


19.02.2026

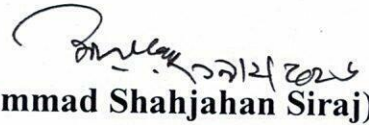
(Al-Amin)
Assistant Programmer
ICT Department, BIWTA


19.02.2026

(Shaikh Mohammed Salim Reza)
Deputy Director
Marine Safety & Traffic Management
Department, BIWTA


19.02.2026

(Anwar Parvez)
System Analyst
ICT Department, BIWTA


19.02.2026

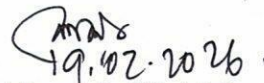
(Mohammad Shahjahan Siraj)
Joint Director (Port)
Port and Traffic Department, BIWTA


19.02.2026

(Md. Mostafizur Rohman)
Additional Director
Marine Safety & Traffic Management
Department, BIWTA


19.02.2026

(Md. Sultanul Arafin)
Director (In-charge)
ICT Department, BIWTA


19.02.2026

(Md. Alamgir Kabir)
Director
Marine Safety & Traffic Management Department, BIWTA