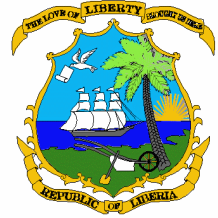




REPUBLIC OF LIBERIA

CENTRAL BANK OF LIBERIA



**REQUEST FOR PROPOSAL
FOR THE
PROVISION OF ELECTRONIC FX TRADING AND
MONITORING PLATFORM FOR THE CENTRAL BANK
OF LIBERIA (CBL):
RFP: CBL/RFP/15/2025**

**CENTRAL BANK OF LIBERIA
Lynch & Ashmun Streets
1000 Monrovia 10 Liberia**

**ISSUANCE DATE: OCTOBER 15, 2025
SUBMISSION DATE: OCTOBER 29, 2025**



CENTRAL BANK OF LIBERIA

Lynch & Ashmun Streets
1000 Monrovia 10, Liberia

INVITATION TO BID

Re: Letter of Invitation to Bid – PROVISION OF ELECTRONIC FX TRADING AND MONITORING PLATFORM FOR THE CENTRAL BANK OF LIBERIA (CBL):

Dear Sir/Madam:

The Central Bank of Liberia (CBL) intends to apply funds from its budget for fiscal year 2025 towards the procurement process that will lead to the hiring of a firm to provide **ELECTRONIC FX TRADING AND MONITORING PLATFORM FOR THE CENTRAL BANK OF LIBERIA (RFP No.: CBL/RFP/15/2025)**.

The CBL hereby invites qualified and experienced vendors to submit proposals for the **design, development, and implementation of a secure, scalable, and regulatory-compliant Electronic FX Trading and Monitoring Platform**. The proposed platform aims to centralize FX bureau transactions, enhance transparency, support monetary policy, and increase oversight within the Liberian foreign exchange market.

Accordingly, interested eligible bidders may pick up the solicitation document and obtain further information from the General Support Services Department (GSSD), 7th floor, and CBL website, Central Bank of Liberia, Lynch & Ashmun Streets, 1000 Monrovia 10 Liberia, beginning October 15, 2025.

Sealed Proposal must be delivered to the Procurement section on the 7th floor of the CBL Head Office no later than **2:00 PM on Wednesday, October 29, 2025, in hard copies and electronically to procurement@cbl.org.lr** . Electronic submission should be protected by **passwords**. Late proposal will be rejected and returned unopened. This request for proposal (RFP) can also be accessed on the CBL's website (www.cbl.org.lr).

Signed: _____

Maakai A. Amblard
DIRECTOR
General Support Services Department
Central Bank of Liberia

Instructions to Bidders (ITB)

A. Introduction

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| 1. Scope of Bid | <p>1.1 The Central Bank of Liberia (hereinafter referred to as the Purchaser) wishes to receive bids for the provision of Electronic FX Trading and Monitoring Platform for Liberia, under the oversight of the Central Bank of Liberia (hereinafter referred to as the Service).</p> <p>1.2 All bids are to be completed and returned to the Purchaser in accordance with these Instructions to Bidder.</p> |
| 2. Source of Funds | <p>2.1 The Purchaser shall fund this procurement from its approved budget to pay for the contract (hereinafter referred to as the “Contract”) for which this Request for Proposal is issued toward the realization of the service of Electronic FX Trading and Monitoring Platform to the Central Bank of Liberia</p> <p>2.2 Payments under the Contract shall be made only upon a formal request submitted by the Purchaser and subject to approval by a designated official of the Central Bank of Liberia. All payments shall be made in accordance with the terms and conditions of the Contract and shall comply fully with the Financial Administration laws of the Republic of Liberia. No party other than the Service Provider shall derive any rights from the Contract or have any claims to the funds.</p> |
| 3. Eligible Bidders | <p>3.1 This Request for Proposal is open to all eligible service providers.</p> <p>3.2 State owned enterprises may participate only if they are legally and financially autonomous, operate under commercial law, and are not a dependent agency of the Purchaser.</p> |
| 4. Cost of Tender | <p>4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser will, in no case, be responsible or liable for those cost, regardless of the conduct or outcome of the Bidding process.</p> |

B. THE BID DOCUMENTS

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| <p>5. Content of Tender Documents</p> | <p>5.1 The service required, bid procedures and contract terms are Prescribed in the Bid Documents. In addition to the Request for Proposal, the Bid Documents include:</p> <ul style="list-style-type: none"> a. Instruction to Bidding (ITB). b. Bid Data Sheet. |
| <p>6. Clarification of Bid Documents</p> | <p>5.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the Bid Documents. Failure to furnish all information required by the Bid Documents or submission of a Bid not substantially responsive to the Bid Documents in every respect will be at the Bidder's risk and may result in the rejection of its Bid.</p> |
| <p>7. Amendment of Bid Documents</p> | <p>6.1 A prospective Bidder requiring any clarification of the bid Documents may request the Purchaser in writing at the Purchaser's address indicated in Bid Data Sheet. The purchaser will respond in writing or by email to any request for clarification of the bid documents which it receives no later than five (5) days prior to the deadline for the submission of Bid. The Purchaser's response (including an explanation of query without identifying the source of inquiry) will be sent in writing or email to all prospective bid, who have the bid Documents.</p> <p>7.1 At any time prior to the deadline for submission of Bid, the Purchasers may, for any reason, modify the Bid Documents by issuing Addenda.</p> <p>7.2 Any Addendum will be notified in writing to all prospective Bidders who have the bid Documents and shall be a part of the bid document.</p> <p>7.3 Where the Purchaser issues the Addendum very close to deadline for submission of bid, the Purchaser may extend the deadline for submission of bid to afford prospective Bidders a reasonable time to take the Addendum into account in preparing their Bid.</p> |

C. PREPARATION OF BID

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| 8. Language of Bid | 8.1 The Bid prepared by the Bidder and all correspondence and supporting documents relating to the bid exchanged by the bid and the Purchaser, shall be written in the English language. |
| 9. Bid Price | 9.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the service it proposes to deliver under the contract. |
| 10. Currency of Bid | 10.1 Prices shall be quoted in United States Dollars. |
| 11. Document Establishing Bidder's Eligibility and Qualifications | <p>11.1 Pursuant to Clause 10, the Bidder shall furnish, as part of its Bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its Bid is accepted.</p> <p>11.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Purchaser's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country.</p> <p>11.3 The documentary evidence of the Bidder's qualifications to perform the contract if its Bid is accepted shall establish to the Purchaser satisfaction:</p> <ul style="list-style-type: none"> a. that the Bidder has the financial and technical capability necessary to fulfil the contract. b. that the bidder must obtain a minimum score of 75% with all evaluators combined in the technical to qualify for the financial opening c. that the Bidder meets the Qualifications as specified in Bid Data Sheet. |

- 12. Bid Security** 12.1 To encourage greater competition by limiting the barriers to bidders' participation, bid security submission is hereby waived. Thus, bid security IS NOT required for this tendering process.
- 13. Period of Validity of Bids** 13.1 Bids shall remain valid for the period as specified in the *bid Data* Sheet after the date of Tender opening prescribed by the Purchaser. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.
- 13.2 In exceptional circumstances, the Purchaser may solicit the Bidders' consent to an extension of the period of bid validity. The request and the responses thereto shall be in writing or by email. The validity of Bid Security period shall also be suitably extended. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request will not be required nor permitted to modify its bids.
- 14. Format and signing of Bids** 14.1 The Bidder shall prepare one original document comprising the bid and clearly marked "**ORIGINAL**". In addition, the Bidder shall submit Four (4) copies of the bid and clearly marked as "**COPIES**". In the event of discrepancy between them, the original shall prevail.
- 14.2 The original and copy of the bid shall be typed written and shall be signed by the Bidder or a person or people duly authorized to sign on behalf of the Bidder. The letter of authorization shall be indicated by written power-of-attorney accompanying the bid. All pages of the bid, where entries or amendments have been made, shall be initialed by the person or persons signing the Tender.

D. SUBMISSION OF BIDS

- 15. Sealing and marking of bids** 15.1 The Bidder shall seal the original and the copy of the bids in two inner envelopes and an outer envelope, duly marking the inner envelopes as "Original" and "Copy".
- 15.2 The inner and outer envelopes shall:
- a. Be addressed to the Purchaser at the address given in the *Bid Data Sheet*:

- c. Provide a warning “**Not to Open Before**” the time and date for bid opening as specified in the *Bid Data Sheet*.

- 15.3 If the outer envelope is not sealed and marked as required the Purchaser will assume no responsibility for the bid misplacement or premature opening.

16. Deadline for Submission of Bids

- 16.1 Bid must be received by the Purchaser at the address and no later than the time and date specified in the *Bid Data Sheet*.
- 16.2 The Purchaser may, at their discretion, extend the deadline for the submission of bids by issuing an amendment, in which case, all rights and obligations of the Purchasers and Bidders previously subject to the original deadline will thereafter be subject to the deadline as extended.

17. Late Bids

- 17.1 Any Bid not received within the date and time specified in ITB Clause 20 will not be accepted and will be returned unopened.

18. Process to be Confidential

- 18.1 Information relating to the examination, clarification, evaluation, and comparison of bids and recommendations for the Award of Contract shall not be disclosed to Bidder or any other people not officially concerned with such a process until the Award to the successful Bidder has been announced.

19. Clarification of bids

- 19.1 To assist in the examination, evaluation, and comparison of Bids, the Purchaser may, at its discretion, ask any Bidder for clarification of its bids, including breakdowns of unit rates. The request for clarification and the response shall be in writing and no change in the price or substance of the Tender shall be sought, offered or permitted, except as required to confirm the correction of arithmetic errors discovered by the Purchaser in the evaluation of the bids.

20. Examination of Bids and Determination

- 20.1 The Purchaser will determine whether each Bid:
 - a. meets the eligibility criteria

**of
Responsiveness**

- b. has been properly signed.
- c. is accompanied by the required securities.
- d. is substantially responsive to the requirements of the Tender documents.

20.2 Arithmetical errors will be rectified on the following basis:

- i. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the Bidder does not accept the correction of the errors, its bids will be rejected, and its Bid Security may be forfeited,
- ii. If there is a discrepancy between words and figures, the amount in words may prevail.

20.3 Prior to the detailed evaluation, the Purchaser will determine the substantial responsiveness of each Bid to the Bid Documents. A substantially responsive Bid is one which conforms to all the terms and conditions of the Bid Documents without material deviations. The Purchaser's determination of a Bidder's responsiveness is to be based on the contents of the bid itself. A material deviation or reservation is one:

- a. which affects in any substantial way the Scope, Quality, or Performance of the Contract.
- b. which limits in any substantial way, inconsistent with the bid documents, the Purchaser's rights, or the Bidder's obligations under the contract; or
- c. whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive bids.

20.4 A bid determined as not substantially responsive will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction.

- 21. Evaluation and Comparison of Bids**
- 21.1 The Purchaser will evaluate and compare only the Tenders determined to be substantially responsive.
- 21.2 The Purchaser's evaluation of a bids will be based on the bid Price.
- 21.3 The Purchaser's evaluation of a bids will consider, in addition to the bid Price one or more of the following factors as specified in the *Bid Data Sheet*:
- e. Other specific criteria indicated in the *Bid Data Sheet* and/or in the Technical Specifications.
- 22. Contacting the Purchaser**
- 22.1 No Bidder shall contact the Purchaser on any matter relating to its bid, from the time of the bid opening to the time the Contract is awarded. If the bidder wishes to bring additional information to the notice of the Purchaser, it should do so in writing.
- 22.2 Any effort by a Bidder to influence the Purchaser in the Purchaser's bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidder's bid

F. AWARD OF CONTRACT

- 23. Post qualification**
- 23.1 In the absence of prequalification, the Purchaser will determine to its satisfaction whether the Bidder selected as having submitted the lowest evaluated responsive bid is qualified to satisfactorily perform the Contract.
- 23.2 The determination will consider the Bidder's financial, technical capabilities/ resources. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Purchaser deems necessary and appropriate.
- 23.3 An affirmative determination will be a prerequisite for award of the Contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Purchaser will proceed to the next lowest evaluated bidder to

make a similar determination of that Bidder's capabilities to perform satisfactorily.

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| 24. Award Criteria | 24.1 | Subject to Clause 26, the Purchaser will award the Contract to the successful Bidder whose bid has been determined to be substantially responsive and to offer the best overall value, taking into account both cost and quality considerations, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily. |
| 25. Purchaser's Right to Vary Quantities at Time of Award | 25.1 | The Purchaser reserves the right at the time of award of Contract to increase or decrease by the percentage as specified in the <i>Bid Data Sheet</i> , the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit prices or other terms and conditions. |
| 26. Purchaser's Right to Accept Any Bid and to Reject Any or All bid | 26.1 | The Purchaser reserves the right to accept or reject any bid, and at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the grounds for the Purchaser's action. |
| 27. Notification of Award | 27.1 | The Bidder whose bid has been accepted will be notified of the award by the Purchaser prior to expiration of the bid validity period to be confirmed by a letter that its bid has been accepted. |
| | 27.2 | The notification of the award will constitute the formation of the Contract |
| | 27.3 | Upon the successful Bidder's furnishing of performance security, the Purchaser will promptly notify each unsuccessful Bidder and will discharge its Bid Security. |
| | 27.4 | The contract will incorporate all Agreements between the Purchaser and the Successful Bidder. |
| 28. Signing of Contract | 28.1 | At the same time as the Purchaser notifies the successful Bidder that its bid has been accepted, the Purchaser will call the successful Bidder to sign the Contract through Notification of Award. |

28.2 Within fourteen (14) days of receipt of the Notification of Award, the successful Bidder shall sign the Contract.

29. Performance Security

29.1 Within 14 days of receipt of notification of award from the Purchaser, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the Tender Documents: denominated in the type and proportion of amount as specified in the Notification of award.

29.2 Failure of the successful Bidder to comply with the above requirement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security in which event the Purchaser may make the award to the next lowest evaluated Tender or call for new bid.

29.3 The Performance Security provided by the successful bidder in the form of a Bank Guarantee as specified, shall be issued by a Bank in Liberia acceptable to the Purchaser.

30. Corrupt or Fraudulent Practices

30.1 The Government of the Republic of Liberia requires that Bidders under the contracts financed by public funds, observe the highest standard of ethics during the procurement and execution of Such contracts. In pursuance of this policy, the following terms shall be interpreted as indicated:

- a. “corrupt practice” means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
- b. “fraudulent practice” means a misrepresentation of facts to influence a procurement process or the execution of a contract and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the benefits of free and open competition.

30.2 a. The Purchaser will reject a proposal for award if the purchaser determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question

Bid Data Sheet

Introduction	
Name of Purchaser: Central Bank of Liberia	
The Source of Findings: 2025 Budget	
Name of Contract: ELECTRONIC FX TRADING AND MONITORING PLATFORM	
RFP: CBL/RFP/15/2025	
Request for Proposal is open to all eligible service providers who can provide: <ul style="list-style-type: none"> a. Article of Incorporation b. Valid Business Registration c. Valid Tax Clearance d. Past performance records of previous and current customers, telephone numbers and email addresses e. Audited financial statements for the last THREE (3) years (2022, 2023 & 2024) 	
For Clarification of Bid purposes only, the Purchaser's Address is Attention: Maakai A. Amblard Director General Support Services Department (GSSD) 7th floor Central Bank of Liberia Lynch & Ashmun Streets 1000 Monrovia 10 Liberia Email: procurement@cbl.org.lr	
Purchaser can modify Bid documents before the Deadline for Submission of Bids by issuing Addenda.	
Language of the Bid: ENGLISH	
BID PRICE AND CURRENCY	
The price quoted shall be in: United States Dollars (USD)	
PREPARATION AND SUBMISSION OF BID	
EVALUATION AND QUALIFICATION REQUIREMENTS.	
<ul style="list-style-type: none"> i. Delivery Shall Be Scheduled Upon contract signing and a notice to proceed with the contract execution 	

<ul style="list-style-type: none"> ii. Proven experience in deploying digital FX or payment platforms in West Africa (preferably Nigeria, Ghana, ECOWAS region). iii. Ability to integrate with national ID systems, mobile money operators, and payment gateways. iv. ISO 27001 certification and a strong cybersecurity posture. v. Presence in Liberia or partnerships with local firms for training and support. vi. Subscription-based or usage-based pricing model (CapEx-light). vii. Ability to work within a hybrid implementation model (e.g., global + regional fintech collaboration) viii. Compliance with the Scope of Service. ix. Compliance as per specifications provided in bid documents submitted by bidder x. It is not permissible to transfer this Bidding Document (BD) to any other company or vendor xi. Article of Incorporation xii. Valid Business Registration xiii. Valid Tax Clearance xiv. Past performance records of previous and current customers, telephone number and email address xv. Audited financial statements for the last THREE (3) years (2022, 2023 & 2024)
Bid Validity Period: Ninety (90) Days.
Number of Copies: One (1) Original and Four (4) Duplicate Copies ALL BINDED
<p>Address for Bid Submission:</p> <p>Maakai A. Amblard Director General Support Services Department (GSSD) 7th floor Central Bank of Liberia Lynch & Ashmun Streets 1000 Monrovia 10 Liberia</p> <p>Email: procurement@cbl.org.lr</p>
<p>Deadline for Bid submission:</p> <p>Date: Wednesday, October 29, 2025 Time: 2:00 PM Place: Central Bank of Liberia</p> <p>Bids shall be opened on the 7th floor (General Support Services Department) of the Central Bank of Liberia 5 minutes after the deadline for submission.</p>

BID EVALUATION

Criteria for Bid evaluation shall be based on:

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| <ol style="list-style-type: none"> i. Compliance with the scope of service. ii. Meeting the delivery terms and period as per schedule of requirements. iii. Understanding of the assignment iv. Qualification of the technical team and its composition v. Strong financial Liquidity. vi. Capacity to deliver and provide reference and contact numbers for previous customers provided with the same services for the past five (5) years. vii. Business Registration Certificate, Tax Clearance Certificate, Article of Incorporation viii. Audited financial statements for the last THREE (3) years (2022, 2023 & 2024) ix. The technical proposal shall be in sealed and separate envelope and clearly mark (Technical while the financial mark financial) |
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CONTRACT AWARD

Notification of Award shall be sent to the successful Bidder at any time Prior to expiration of Bid Validity.

SCOPE OF SERVICE

ELECTRONIC FX TRADING AND MONITORING PLATFORM FOR LIBERIA TO THE CENTRAL BANK OF LIBERIA

1. Project Objective

Design, implement, and operationalize a secure, scalable, and compliant Electronic FX Trading Platform for Liberia, under the oversight of the Central Bank of Liberia (CBL). The platform will centralize FX bureau transactions, improve transparency, reduce informal market activities, and provide real-time data to support monetary policy and regulatory enforcement.

2. Core Functional Modules

2.1 Centralized Trading Hub

- Single integration point for all licensed FX bureaus.
- Real-time execution, matching, and settlement of buy/sell transactions.
- Automated daily exchange rate computation from aggregated platform data.

2.2. Back Office & Onboarding

- KYC/KYB onboarding for FX bureaus and Mobile Network Operators (MNOs).
- API integration with Liberia National Identification Registry (NIR) for biometric validation.
- GPS-enabled geolocation tracking for all transactions.

2.3.Compliance & Regulatory Oversight

- Regulatory Dashboard for CBL to monitor all transactions in real time.
- Automated alerts for CBL to monitor AML/CFT risks, compliance breaches, and suspicious activity.
- Configurable rules engine to enforce CBL forex regulations and freeze accounts if needed.

2.4. Transaction Integrity

- Digital receipt generation with immutable audit trails.
- End-to-end encryption of data and communications.
- Tamper-proof transaction logs for forensic audit purposes.

2.5. Payment & Mobile Money Integration

- API connectivity to Liberia’s national payment system for electronic LRD settlements.
- Seamless integration with MNOs (e.g., MTN, Orange) and other FinTech platforms to track FX-related mobile transactions.
- Future-proof architecture for integration with tax/reporting systems.

3. Data & Analytics

- **Real-time dashboards** for liquidity, transaction volumes, and exchange rate trends.
- Forecasting tools to anticipate volatility and market risks.
- Unified reporting across bureaus, banks, and MNOs.
- Data exports for policy-making and statistical analysis.

4. Operational Resilience

- 24/7 high-availability platform with failover and disaster recovery.
- Scalable infrastructure to handle nationwide transaction volumes.
- Local or ECOWAS-based hosting to ensure data sovereignty.
- Training portal and helpdesk for bureau operators and regulators.

5. Implementation Approach

- Phase 1 – Pilot: Roll out in Monrovia with licensed FX bureaus and banks (covering ~80% of FX volume).
- Phase 2 – Nationwide Expansion: Extend to rural bureaus, banks, parallel markets and MNOs.
- Phase 3 – Market Stabilization Tools: Enable policy-driven interventions (rate limits, speculative trade curbs).

6. Deliverables

- Fully functional FX Trading Platform meeting all technical requirements.
- Integration with NIR, national payment systems, and MNO APIs.
- CBL regulatory dashboard with compliance and monitoring tools.
- Training modules for regulators and bureau operators.
- Documentation: Technical manuals, user guides, compliance reports.
- Ongoing support and maintenance contract.

7. Expected Outcomes

- Reduced Informality: All FX activities routed through licensed and traceable channels.
- Enhanced Accuracy: Daily exchange rate computation based on verified data.
- Regulatory Oversight: CBL empowered with real-time monitoring and enforcement.
- Financial Inclusion: Broader access to regulated FX services via digital/mobile channels.
- Economic Stability: Data-driven interventions to manage dollarization and volatility.

8. Technical Requirements

Core Functional Modules

8.1. Centralized Trading Hub:

- Mandatory integration point for all licensed FX bureaus to execute buy/sell transactions.
- Support for real-time transaction processing and matching.

8.2. Back Office Module:

- FX Bureau onboarding/management (KYC/KYB verification).
- Real-time monitoring of all transactions, user locations, and executing agents.

8.3. Integrated Biometric Verification:

- API integration with Liberia National Identification Registry (NIR).
- Mandatory ID validation (National ID/passport) + biometric authentication for end-users.

8.4. Electronic Receipt System:

- Auto-generation of digital receipts for all transactions.
- Immutable audit trail with timestamps, parties involved, and transaction details.
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8.5. Real-Time Regulatory Dashboard:

- CBL access to monitor all transactions, FX bureau activities, and locations in real time.

- Automated alerts for suspicious activities or compliance breaches.

8.6. Payment System Integration:

- API connectivity to Liberia's national payment system.
- Support for electronic LRD payments/receipts for forex transactions.

8.7. Mobile Network Operator (MNO) Integration:

- Onboarding module for MNOs to report rates and transactions.
- Compliance tracking for MNO FX activities.

9. Compliance & Security

9.1. Strict Access Control:

- Role-based permissions (CBL supervisors, FX bureau operators, MNOs).
- Transactions are restricted to licensed entities only.

9.2. AML/CFT Safeguards:

- Automated transaction monitoring for illicit patterns.
- Integration with national financial intelligence systems.

9.3. Data Integrity & Encryption:

- End-to-end encryption for all data and communications.
- Immutable transaction logs to prevent tampering.

10. Data & Analytics

10.1. Real-Time Rate Computation:

- Automated daily exchange rate calculation based on *all* platform transactions.
- Elimination of manual data collection/reporting delays.

10.2. Advanced Reporting:

- Real-time dashboards for market liquidity, transaction volumes, and rate trends.
- Forecasting tools for exchange rate volatility and market insights.

10.3. Comprehensive Audit Trail:

- Unified reporting of all transactions (including MNOs and bureaus).

11. Operational Resilience

11.1. High Availability & Scalability:

- 24/7 uptime with failover mechanisms.
- Scalable architecture to handle peak transaction volumes nationwide.

11.2. Training & Support Module:

- Integrated training portal for FX bureau operators (compliance, platform use).
- Technical support ticketing system for rapid issue resolution.

12. Integration Capabilities

12.1. National Systems Interoperability:

- Pre-built APIs for NIR, payment systems, and banking networks.
- Support for future integration with tax/reporting authorities.

12.2. Geolocation Tracking:

- GPS tagging of all transactions for fraud prevention and oversight.

13. Regulatory Enablement

13.1. Automated Compliance Enforcement:

- Configurable rules engine to enforce CBL forex regulations.
- Real-time intervention capabilities (e.g., freezing suspicious accounts).

13.2. Market Stabilization Tools:

- Data feeds to inform CBL monetary policy decisions.
- Mechanisms to curb speculative trading (e.g., rate fluctuation limits).

Key Technical Outcomes Supported

- **Reduced Informality:** Only licensed entities can transact; all activities digitally traceable.
- **Enhanced Rate Accuracy:** Real-time data capture for reliable daily exchange rate computation.
- **Streamlined Oversight:** Centralized monitoring eliminates manual supervision gaps.
- **Financial Inclusion:** Secure access for businesses/individuals via integrated ID/payment systems.
- **Economic Stability:** Data-driven insights for proactive monetary policy adjustments.