



BCPCL

Bangladesh-China Power Company Ltd.

A Joint Venture of CMC & NWPGCL

**REQUEST FOR QUOTATION
FOR**

**Procurement of Software for Inventory Management of HR Store Items of
BCPCL.**

**BANGLADESH-CHINA POWER COMPANY LIMITED
(A Joint Venture of CMC and NWPGCL)
UTC Building (Level-05), 8 Panthapath,
Kawran Bazar, Dhaka-1215, Bangladesh**

Issued Ref.: BCPCL/Procurement/RFQ/2024-25/0428.01

Issued On: April 28, 2025





BANGLADESH-CHINA POWER COMPANY LIMITED

(A Joint Venture of CMC and NWPGL)

UTC Building (Level # 4), 8 Panthapath, Kawran Bazar, Dhaka-1215, Bangladesh
Phone No. 9143908, 9140757, Web: www.bcpcl.org.bd, E-mail: info@bcpcl.org.bd

REQUEST FOR QUOTATION

for

Procurement of Software for Inventory Management of HR Store Items of BCPCL

Issued Ref.: **BCPCL/Procurement/RFQ/2024-25/0428.01**

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To

1. Bangladesh-China Power Company Limited has been allocated funds and intends to apply a portion of the funds to eligible payments under the Contract for which this Quotation Document is issued.
2. Detailed Specifications and, Design & Drawings for the intended goods and related services are available in the office of the Procuring Entity for inspection by the potential Quotationers during office hours on all working days.
3. Quotation shall be prepared and submitted using the 'RFQ Document'.
4. Quotation shall be completed properly, duly signed-dated each page by the authorized signatory and submitted by the date to the office as specified in Para 6 below.
5. No Securities such as Quotation Security (i.e. the traditionally termed Earnest Money, Tender Security) and Performance Security shall be required for submission of the Quotation and delivery of the Goods (if awarded) respectively.
6. Quotation in a sealed envelope or by fax or through electronic mail on or before May 04, 2025, 12:00 PM. The envelope containing the Quotation must be clearly marked "**Procurement of Software for Inventory Management of HR Store Items of BCPCL**" and "DO NOT OPEN before May 04, 2025, 12:30 PM". Quotations received later than the time specified herein shall not be accepted.
7. Quotations received by fax or through electronic mail shall be sealed-enveloped by the Procuring Entity duly marked as stated in Para 6 above and, all Quotations thus received shall be sent to the Evaluation Committee for evaluation, without opening, by the same date of closing the Quotation.
8. The Procuring Entity may extend the deadline for submission of Quotations on justifiably acceptable grounds duly recorded subject to threshold of ten (10) days.
9. All Quotations must be valid for a period of at least 60 (Sixty) days from the closing date of the Quotation.



10. No public opening of Quotations received by the closing date shall be held.
11. Quotationer's rates or prices shall be inclusive of profit and overhead and, all kinds of taxes, duties, fees, levies, and other charges to be paid under the Applicable Law, if the Contract is awarded.
12. Rates shall be quoted and, subsequent payments under this Contract shall be made in BDT. The price offered by the Quotationer, if accepted shall remain fixed for the duration of the Contract.
13. Quotationer shall have legal capacity to enter into Contract. Quotationer, in support of its qualification shall be required to submit certified photocopies of latest documents related to valid Trade License, Tax Identification Number (TIN) and VAT Registration Number without which the Quotation may be considered non-responsive.
14. Quotations shall be evaluated based on information and documents submitted with the Quotations, by the Evaluation Committee and, at least three (3) responsive Quotations will be required to determine the lowest evaluated responsive Quotations for award of the Contract.
15. In case of anomalies between unit rates or prices and the total amount quoted, the unit rates or prices shall prevail. In case of discrepancy between words and figures the former will govern. In case of quotation submitted on Lump-sum basis, if anomalies found between figures and words, the words will prevail. Quotationer shall remain bound to accept the arithmetic corrections made by the Evaluation Committee.
16. The supply of Goods and related services shall be completed within **30 (thirty) days** from the date of issuing the Purchase Order.
17. The Purchase Order that constitutes the Contract binding upon the Supplier and the Procuring Entity shall be issued within **2 days** of receipt of approval from the Approving Authority.
18. The Procuring Entity reserves the right to reject all the Quotations or annul the procurement proceedings.

Rashed Morshed 29/04/25
Rashed Morshed

Superintending Engineer (Procurement)
Bangladesh-China Power Company Limited
UTC Building (Level-05), 8 Panthapath, Kawran Bazar,
Dhaka-1215, Bangladesh.
e-mail: rashedmorshed@bcpcl.org.bd

Distribution:

1. Notice Board.
2. Office File.



Quotation Submission Letter

Issued Ref.: BCPCL/Procurement/RFQ/2024-25/0428.01

Issued On: April 28, 2025

Superintending Engineer (Procurement)

Bangladesh-China Power Company Limited

UTC Building (Level-05), 8 Panthapath, Kawran Bazar,
Dhaka-1215, Bangladesh.

I/We, the undersigned, offer to execute in conformity with the Conditions of Contract for execution of the service named **Procurement of Software for Inventory Management of HR Store Items of BCPCL.**

The total Price of my/our Quotation is BDT

In Words:

My/Our Quotation shall remain valid for the period stated in the RFQ Document and it shall remain binding upon us and, may be accepted at any time prior to the expiration of its validity period.

I/We declare that I/we have the legal capacity to enter into a contract with you, and have not been declared ineligible by the Government of Bangladesh on charges of engaging in corrupt, fraudulent, collusive or coercive practices. Furthermore, I/we am/are aware of Para 17(b) of the Terms & Conditions and pledge not to indulge in such practices in competing for or in executing the works.

I/We am/are not submitting more than one Quotation in this RFQ process in my/our own name or other name or in different names. I/We understand that your written invitation to sign the Contract shall become binding upon us, until a formal Contract is signed.

I/We have examined and have no reservations to the RFQ Document issued by you on **April 28, 2025.**

I/We understand that you reserve the right to reject all the Quotations or annul the procurement proceedings without incurring any liability to me/us.

Signature of Quotationer with Seal
Date:



Price Schedule for Goods and Related Services

Sl. No.	Description of Item	Unit	Quantity	Unit Price including Tax & VAT (BDT)	Total Price including Tax & VAT (BDT)
01	02	03	04	05	06= 05x04
1	Procurement of Software for Inventory Management of HR Store Items of BCPCL	Full-Package	1		
Total Cost including Tax & VAT (BDT)					

Total Price Including VAT & IT (in words)	
Goods to be supplied to	Corporate Office of BCPCL, UTC Building, Level-5, 8 Panthapath, Kawran Bazar, Dhaka-1215
Delivery Offered	Within 30 days from the date of issuing purchase order.

[Insert number] number corrections made by me/us have been duly initialed in this BoQ.

Signature of the Quotationer with Seal	Date:
Name of the Quotationer	

Note:

- Col. 1, 2, 3 & 4 to be filled in by the Procuring Entity and Col. 5 & 6 by the Quotationer.
- Rates or Prices shall include profit and overhead and, all kinds of taxes, duties, fees, levies, and other charges earlier paid or to be paid under the Applicable Law, if the Contract is awarded; including transportation, insurance etc. Whatsoever



Invitation for signing Contract

Issued Ref.: BCPCL/Procurement/RFQ/2024-25/0428.01

Issued On: April 28, 2025

Name Address of the contractor

This is to notify you that your **Quotation** dated **April/May,2025** for the execution of service named **Procurement of Software for Inventory Management of HR Store Items of BCPCL** for the Contract Price of **BDT.....** only including VAT & IT as corrected, has been approved by the competent authority.

You are thus requested to attend the office of the undersigned to sign the Contract within 3 **(three) days** of issuing this Letter of Invitation; but in no case later than **May, 2025**.

You may proceed with the execution of the works and services only upon signing the Contract. You may also please note that this invitation shall constitute the formation of this Contract which shall become binding upon you.

We attach the draft Contract and all other documents for your perusal.

(Rashed Morshed)
Superintending Engineer
Bangladesh-China Power Company Limited
Level# 05, UTC Building, 8 Panthapath, Kawran Bazar,
Dhaka-1215.



Contract Agreement

THIS AGREEMENT made on this [insert day] day of [insert month and year] between [name and address of Procuring Entity] (hereinafter called “the Procuring Entity”) of the one part and [name and address of Service Provider] (hereinafter called “the Service Provider”) of the other part:

WHEREAS the Procuring Entity invited quotation for certain services named **Procurement of Software for Inventory Management of HR Store Items of BCPCL** and has accepted the quotation submitted by the Firm for the execution of those works in the sum of Taka [insert Contract price in figures and in words] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSED AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of Contract hereinafter referred to.
2. The documents forming the Contract shall be interpreted in the following order of priority:
 - (a) the signed Contract Agreement
 - (b) the Letter of Invitation
 - (c) the Conditions of Contract
 - (d) the Terms of Reference (ToR)
 - (e) the priced Bill of Quantities
 - (f) any other document listed anywhere in the Contract.
3. In consideration of the payments to be made by the Procuring Entity to the Service Provider as hereinafter mentioned, the Service Provider hereby covenants with the Procuring Entity to execute and complete the service and to remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Entity hereby covenants to pay the service provider in consideration of the execution and completion of the service and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Bangladesh on the day, month and year first written above.

For the Purchaser

For the Firm

Signature

Name

Designation

In the presence of

Name



**Conditions of Contract
for
Procurement of Software for Inventory Management of HR Store Items of
BCPCL**

1. Conditions of Contract contained herein shall be binding upon both the contracting parties for the purpose of administration and management of this Contract.
2. Implementation and interpretation of these Conditions of Contract shall, in general, be under the Rules & Regulations of BCPCL.
3. The firm shall have to commence the Work within 7 (*seven*) days of issuance of notification from the procuring entity and complete in conformity in all respects with the provisions of the Contract in accordance to the timeframe mentioned in the Terms of Reference (ToR).
4. The time and date for the performance of service will be determined by the procuring entity and the firm shall comply with the timings as it is crucial to manage site availability.
5. The firm shall comply with all the Terms of Reference for 'Procurement of Load Test Related Service and subsequent Certification for different Lifting Equipment of Payra 1320 MW TPP. *Terms of Reference (ToR)* is attached herewith in *Annexure-01*.
6. The firm shall be entitled to an extension of the work schedule if the Procuring Entity delays in receiving the services or if Force Majeure situation occurs or for any other reasons acceptable to the Procuring Entity on justifiable grounds duly recorded.
7. The Procuring Entity shall check and verify the study executed by the Firm and notify the Firm of any Defects found.
8. Notwithstanding any testing and examination, the Procuring Entity by visual inspection or field tests may instruct the Firm to:
 - a. remove and replace any study or part thereof which is not in accordance with the Contract,
 - b. remove and re-execute any other study or part thereof which is not in accordance with the Contract, and
 - c. execute any study which is urgently required for the safety of the study.
9. The Firm shall submit to the Procuring Entity the progressive invoices for estimated value of services executed less the cumulative amount certified previously.
10. The Firm shall be entirely responsible for payment of all taxes, duties, fees, and such other levies under the Applicable Law.
11. Mode of payment shall be based on the type of the Contract corresponding to the Bill of Quantities:

Mode of Payment:
Payments shall be made only after successful completion and submission of report to BCPCL and duly accepted by BCPCL (Referred in ToR).
12. The total Contract Price is **BDT [] only including Tax & VAT**.
13. No works under Extra Work Orders shall be permissible and, works under Variation Orders (except in case of Lump-sum basis) shall under no circumstances exceed fifty (50) percent of the Contract Price subject to threshold specified in the Procurement Procedures and Delegation of Financial Power-2019 of Bangladesh China Power Company Limited.
14. The Procuring Entity contracting shall amend the Contract incorporating required approved changes subsequently introduced to the original Conditions of Contract in line with Rules, where necessary.



15. The Firm shall apply by notice to the Procuring Entity for issuing a Completion Certificate of the Service, and the Procuring Entity shall do so upon deciding that the service has been performed.
16. The Procuring Entity shall, within 07 (Seven) working days after receiving the Firm's application:
- a) issue the Completion Certificate to the Firm stating that the works and service were completed in accordance with the Contract, or
 - b) reject the application, giving reasons and specifying the works and service required to be done/redone by the Firm to enable issuance of the Completion Certificate.
17. The Firm shall keep the Procurement Entity harmless and indemnify from any claim, loss of property or life to himself/herself, his/her workmen or staff, any staff of the Procurement Entity or any third party while executing the work. Any claim arising out of execution of the works and service shall be settled by the Firm at his/her own cost and responsibility.
18. The Procuring Entity may, by written Notice sent to the Firm, terminate the Contract in whole or in part at any time, if the Firm:
- a) fails to sign the Contract or commence the service within the specified time.
 - b) fails to achieve satisfactory progress of works and service in accordance with the Programme of Works.
 - c) fails to complete the services as per Terms of References.
 - d) after receipt of a written notice from the Procuring Entity does not remedy its failure within the time period specified therein.
 - e) in the judgement of the Procuring Entity, has engaged in any corrupt, fraudulent, collusive or coercive practices in competing for or in performance of service.
 - f) fails to perform any other obligation(s) under the Contract.
19. The Procuring Entity and the Firm shall use their best efforts to settle amicably all possible disputes arising out of or in connection with this Contract or its interpretation.



Terms of Reference for Consumable Inventory System

1. Introduction

Bangladesh-China Power Company Ltd. (BCPCL) is seeking to develop a **web-based Consumable Inventory System** to efficiently manage consumable items, track their usage, and generate reports. The application will ensure automation in consumable item management, streamline requisition processes, and improve inventory tracking.

2. Objective of the Assignment

The primary objective of this project is to **automate consumable item usage** within the office and **track usage efficiently**. The system will allow employees to **request consumable items**, **store managers to approve or decline requests**, and **generate insightful reports** to predict future consumption trends.

3. Scope of Services and Application Features

3.1. Technology Stack

Backend:

- Programming Language: C# using .NET Core
- Architecture: Clean Architecture
- Database: Microsoft SQL Server
- Web API: ASP.NET Core Web API
- Authentication: JWT (JSON Web Tokens)
- Dependency Injection: Microsoft Dependency Injection

Frontend:

- Framework: Angular Architecture: Clean Architecture
- State Management: NgRx
- User Interface: HTML, CSS, TypeScript, Node.js
- Authentication: JWT
- Responsive Design: Bootstrap

3.2. Modules and Functionalities

a. Software Architecture & Design

- The system will follow a **modular architecture** ensuring scalability and security.
- **Role-based access control** (RBAC) will be implemented to define user roles and permissions. In this case Laravel-permission by Spatie can be used.

b. User Dashboard

Employees will have access to the following features:

- Create **requisition requests** for consumable items.
- Update **basic personal information**.
- View **requisition history**.
- Check **requisition status**.
- Generate **product usage reports**.

c. Admin Dashboard

Administrative roles and hierarchy:

1. **System Admin** (Top-level administrator – From ICT)
2. **Store Admin**
3. **Store Manager** (Location-based)
4. **Storekeeper** (Location-based)

Admin Features:

- **Role & Permission Management:**
 - System admin can create **task-based roles** with customizable CRUD operations and visibility.
 - Store Admin can **Create Stores, Store Managers, Storekeeper, and Items**.
 - Storekeepers can **approve requisitions** and **manage stock**.
 - System Admin can assign **Admin Managers**.
 - Admin Managers can **create employees**.
 - **Storekeepers** can also create employees; in this case the **Store manager** must approve the request.
- **WYSIWYG Editor Integration:**
 - For enhanced text editing and reporting.
- **Item Assignment without Requisition:**
 - Storekeepers can assign items without requisition approval.
 - Store Manager must approve such cases.

d. Location Management

- System Admin & Store Admin can **add multiple locations**.
- Assign **Store Managers** and **Admin Managers** to specific locations.

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e. Requisition Management

- Employees can **request items** through a requisition system.
- Requests can be **created, updated, or deleted** (deletion allowed only if not approved/submitted).
- **Approval Process:**
 - Admin Manager can **approve, decline, or update** requisitions.
 - Store Manager can **deliver, decline, or update** requisitions.

f. Report Generation

- **Inventory & Stock Reports:**
 - **Current Stock Report:** Shows real-time stock levels of all consumables.
 - **Stock Valuation Report:** Value of current stock based on average cost, FIFO, or LIFO methods.
 - **Low Stock/Stock Reorder Report:** Highlights items that have fallen below the reorder level.
 - **Stock Aging Report:** Displays how long each stock item has been held.
 - **Stock Movement Report:** Tracks inward and outward movement of consumables over time.
- **Procurement & Purchase Reports:**
 - **Purchase Order Summary Report:** Overview of all POs issued for consumables.
 - **Purchase Order vs. Receipt Report:** Shows discrepancies between ordered and received quantities.
 - **Supplier Performance Report:** Evaluates suppliers based on delivery time, quality, price.
 - **Pending Purchase Orders Report:** Lists all open or pending PO's.
 - **Purchase History Report:** Historical record of purchases over a specified time.
 - **Rate Comparison Report:** Tracks changes in supplier rates over time.
- **Consumption & Usage Reports:**
 - **Consumption Summary Report:** Displays how much of each consumable item has been used.
 - **Department-wise Consumption Report:** Tracks consumable usage by department or section.
 - **Employee-wise Consumption Report:** Usage of consumables by individual employees (if applicable).
 - **Monthly/Quarterly Consumption Trends:** Identifies patterns in consumption over time.
- **Financial Reports:**
 - **Cost Analysis Report:** Total cost spent on consumable items, broken down by category.
 - **Budget vs. Actual Report:** Compares actual expenditure on consumables with the approved budget.
 - **Vendor Payment Report:** Shows payment status and history to vendors supplying consumables.
- **Audit & Compliance Reports:**

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- **Inventory Adjustment Report:** Records manual adjustments to inventory due to damage, loss, etc.
- **Stock Audit Report:** Physical verification of consumable stock versus system stock.
- **Non-Moving/Dead Stock Report:** Identifies items that haven't been used for a specific period.
- **Expiry/Obsolete Stock Report:** Highlights products nearing expiry or obsolete.
- **Alerts & Exception Reports:**
 - **Stock Out Report:** Lists items that are out of stock.
 - **Overstocked Items Report:** Items exceeding maximum stock levels.
 - **Duplicate Purchase Order Report:** Identifies duplicate POs for same items.
 - **Unauthorized Consumption Report:** Highlights any unapproved or irregular consumption activity.
- **Custom & Analytical Reports:**
 - **ABC Analysis Report:** Categorizes items based on consumption value (high, medium, low).
 - **Vendor-wise Consumable Summary:** Breakdown of consumables supplied by each vendor.
 - **Lead Time Analysis Report:** Average time taken from order placement to delivery.
 - **Trend Analysis & Forecasting Report:** Uses past consumption data to forecast future needs.
- **Integration Reports (if linked with other systems)**
 - **Inventory & Finance Integration Report:** Direct sync report between stock data and financial books.
 - **Procurement & Maintenance Integration Report:** Linking consumables with preventive/corrective maintenance schedules.
 - **GRN (Goods Receipt Note) & Invoice Matching Report:** Ensures goods received match invoices for payment processing.
- **Common Output format:**
 - PDF
 - Excel
 - CSV
 - Automated scheduled reports via email

Note: There must be an option to generate report based on none less than above option, but with the ability to generate report with specific timeframe.

g. Activity & Security Logs

- **Activity Log & Daily Log:**
 - System records user activities **except for system admin**.
- **Suspicious Activity Alerts:**
 - The system flags suspicious activities and generates alerts (System Admin access only).

4.Deliverables

- a. **Fully functional web-based application** with all the mentioned features.
- b. **User Manual and Training Materials.**
- c. **Deployment & Installation** on BCPCL's server.
- d. **Maintenance & Support** for a defined period after deployment.

5.Timeline & Milestones

- a. **Project Initiation:** Week 1
- b. **Requirement Analysis & Design & Initial Data Entry:** Week 2
- c. **Development Phase:** Week 3-5
- d. **Testing & Quality Assurance:** Week 6
- e. **Deployment & Training:** Week 7

6.Responsibilities

6.1. Client (BCPCL) Responsibilities:

- a. Provide **necessary requirements and resources.**
- b. Designate personnel for **feedback and testing.**
- c. Review and approve deliverables.

6.2. Vendor Responsibilities:

- a. Develop the system according to **agreed specifications.**
- b. Provide **technical documentation and user training.**
- c. Ensure **security, scalability, and usability.**
- d. Provide **post-deployment support.**

7.Payment Terms

- a. **60%** upon feature completion.
- b. **40%** after final deployment, training and acceptance.

8.Acceptance Criteria

- a. Fully functional **web-based system** as per requirements.
- b. Successful **user acceptance testing (UAT).**
- c. Completion of **documentation and training.**
- d. **Bug-free** deployment with **support availability.**



9. Confidentiality

The Vendor shall maintain the confidentiality of BCPCL's data and **not disclose any information** to third parties without written consent.

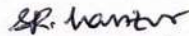
10. Termination Clause

BCPCL reserves the right to terminate the contract if the Vendor **fails to meet agreed deadlines or delivers substandard work.**



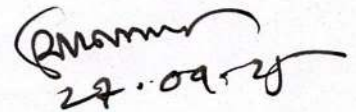
27.4.2025

Md. Shafayet Kabir
Assistant Engineer, ICT
Bangladesh-China Power Company Ltd.
(A Joint Venture of NWPGL & CMC)



27/04/2025

Shihab Rezwan Manzur
Sub-Division Engineer (ICT)
Bangladesh-China Power Company Ltd.
(A Joint Venture of CMC & NWPGL)



Mohammad Kamal Hossain
Deputy General Manager (HR) (In-charge)
Bangladesh-China Power Company Ltd.
(A Joint Venture of CMC & NWPGL)