



PMDC
PAKISTAN MINERAL DEVELOPMENT CORP.

Head Office

Plot No: 13, Sector H/9, Islamabad 44000,
Pakistan.
Tel: 9265123-24
E-mail: info@pmdc.gov.pk
www.pmdc.gov.pk

Say No to Corruption

Invitation of E-BID

Pakistan Mineral Development Corporation is an autonomous corporation under the administrative control of Ministry of Energy (Petroleum Division), Government of Pakistan invites electronic bids on Single Stage – Two Envelope Method (QCBS) from the interested Parties/IT-Companies having valid registration with Federal Board of Revenue (FBR)/Respective Revenue Boards for income tax & sales tax and who are on active taxpayer list (Income & Sales Tax) of the Federal Board of Revenue (FBR)/Respective Revenue Boards for “**Development and Implementation of a Secure E-Library and Controlled Digital Repository System at PMDC Head Office, Sector H-9, Islamabad**”

E-Bidding documents containing detailed terms and conditions, method of procurement, bid security, opening of bid, etc. are available electronically and can be downloaded from EPADS-PPRA Website: <https://eprocure.gov.pk> free of cost.

The electronic bids, prepared in accordance with the instructions in the bidding document along with bid money amounting to **Rs.200,000/-** in the shape of demand draft/pay order in the name of Pakistan Mineral Development Corporation on account of bidder must be submitted by using EPAD on or before **08.04.2026 at 11:00 AM**. Tenders will be opened on EPAD on the same date at **11:30 AM** in the presence of participants who may desire to attend the tender opening.

Note:-

1. Original Bid Security Instrument Must be submitted to undersigned, before the online submission deadline of the bid; otherwise, respective bid will not be opened.
2. In case of any technical difficulty in using EPADS, prospective bidders may contact PPRA Office, 1st Floor, FBC building Sector G-5/2, Islamabad. Contact Number 051-111-137-237.

(SAJID HUSSAIN)
DGM (PROCUREMENT)
PHONE NO.051-9265128
E-mail: dgm-pro@pmdc.gov.pk





PAKISTAN MINERAL DEVELOPMENT CORPORATION
HEAD OFFICE, 13-H/9, ISLAMABAD

Ref No. PMDC/ Tender Enquiry No. PMDC/PROC/E-Library/HO
DUE FOR OPENING ON: 08.04.2026 AT 11:30 AM

TENDER FOR “DEVELOPMENT AND IMPLEMENTATION OF A SECURE E-LIBRARY AND CONTROLLED DIGITAL REPOSITORY SYSTEM AT PMDC HEAD OFFICE, SECTOR H-9, ISLAMABAD”

E – Tenders on Single Stage – Two Envelope Method (QCBS) are invited from the interested Parties/IT-Companies, having valid registration with Federal Board of Revenue (FBR)/Respective Revenue Boards for income tax & sales tax and who are on active taxpayer list (Income & Sales Tax) of the Federal Board of Revenue (FBR)/Respective Revenue Boards for “Development and Implementation of a Secure E-Library and Controlled Digital Repository System at PMDC Head Office, Sector H-9, Islamabad”.

S. No.	Description	Qty	Total Amount (PKR) inclusive of all taxes
1	Development and Implementation of a Secure E-Library and Controlled Digital Repository System at PMDC Head Office, Sector H-9, Islamabad as defined in TORs (One time) / Annexure – A	Job	
2	500 GB Cloud hosting (yearly)	Yearly	
3	Technical support, cyber security (including threat detection and prevention), and annual data backups. (yearly)	Yearly	
4	Service Level Agreement (SLA) for the year.	Yearly	
Grand Total Amount (PKR) inclusive of all taxes			

Terms & Conditions specified in Technical Data Sheets/TORs (Annex – A) and also agreed by the bidder will become the Integral Part of Purchase Order/work contract.



1.0 EVALUATION CRITERIA

The bidding procedure will be **Single Stage – Two Envelope Method** & the evaluation/selection will be done on Quality & Cost Based Selection (QCBS). The evaluation criteria is as under :-

TECHNICAL EVALUATION CRITERIA

Sr. No.	Evaluation Criteria	Sub-Criteria / Description	Max Marks
1	Relevant Experience of Firm (Last 10 Years)	Experience in secure web-based systems, E-Library, DMS, digital repositories with confidentiality controls: Presentation is mandatory and selection will be based on presentation and given work plan.	20
		≥ 5 similar projects: 20 marks	
		3–4 similar projects: 15 marks	
		1–2 similar projects: 10 marks	
		No relevant experience: 0 marks	
2	System Architecture & Design	Proposed system architecture, scalability, modular design, and compliance with TOR	15
		i. Fully compliant, clear, TOR-aligned	15
		ii. Mostly compliant, minor gaps	10
iii. vague / unclear	0		
3	Security & Confidentiality Controls	RBAC, encryption, secure authentication, audit logs, prevention of download/screenshots/copy	20
		i. Full compliance with all security requirements of TOR	20
		ii. Mostly compliant, minor gaps	10
4	Report Issuance & Access Control Mechanism	Online request, approval workflow, time-bound access, auto-revocation	10
5	Content Viewing & Protection Features	Online reading only, encrypted viewer, screen protection, restricted scrolling modes	10
6	Content Visibility Levels	Abstract-only access, general review mode, full access approval mechanism	5
7	Audit Trail & Monitoring	User activity logs, access duration tracking, reporting dashboard	5
8	Search & Metadata Management	Search by title, author, year, subject; metadata and abstract management	5
9	Implementation Methodology & Timeline	Clear implementation plan, milestones, testing, deployment, training	5
10	Training, Documentation & Support Plan	User manuals, admin guides, training plan, post-deployment support	5
Total			100



Note: Technical Qualification status shall be decided based on overall score obtained by the applicant(s). The applicant must secure at least **65 % score** to proceed with the opening of financial proposal. Percentage weightage of **technical proposal will be 80 % and financial proposal will be 20%.**

FINAL EVALUATION CRITERIA

Technically qualified/successful Bidders(s) shall be called for opening of the Financial Proposal(s). The technically Eligible/Successful Bidders(s) or their authorized representatives shall be allowed to take part in the Financial Proposal(s) opening if they desire.

The formula for determining the financial scores is as follows:

Formula: $FS = 100 \times FM / F$

Where FS is the Financial Score; FM is the Lowest Price and F is the Price of the Proposal under consideration.

The weights given to the Technical (T) and Financial Proposals (F) are:

T = 0.80 and F = 0.20

For example: $T = 80 \times 80\% = 64$
 $FS = 100 \times 5M \div 8M = 62.5 \times 20\% = 12.50$
Total Score: $T + FS = 64 + 12.50 = 76.50$

Applicant(s) with the highest total score will be considered further for Contract.

2.0 PRE – BID MEETING

The purpose of the pre-bid meeting is to address queries from prospective bidders. The Pre – Bid meeting will be held on 31.03.2026 at 10:30 AM at PMDC Head Office, Sector H-9, Islamabad.

For any clarifications, please approach to

FALAK ILTAF
DM (RS & GIS)

Email : falakiltaf@pmdc.gov.pk

Tel: 051-9265123



3.0 GENERAL TERMS AND CONDITION

1. The selection method will Electronic Bid must be submitted on EPAD on or before **08.04.2026** at **11:00 AM** which will be opened on the same day at **11:30 AM** in the presence of tenderers or their representatives who desire to participate.
2. Bid Money amounting to **Rs.200,000/-** in the form of pay order/demand draft made in the name of Pakistan Mineral Development Corporation on account of bidder from any scheduled bank shall accompany the bid/tender. Tender with less or without bid money (in the form of pay order/demand draft) or pay order/demand draft without the name of bidder shall not be considered.
3. Successful tender will be required to deposit security money @ 10% of the total value and bid money already deposited will be converted into security deposit while balance amount shall have to be deposited to maintain the Security deposit @ 10% of the total value which will be refunded after successful completion of DLP.
4. The rates should be quoted in PKR and should be inclusive of all applicable/prevaling taxes. Any increase in taxes at any stage shall not be considered.
5. The rates, prices and amounts shall be entered in the Schedule of Prices/BOQ. Any item against which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.
6. Interpretation of the PMDC regarding the tendered rates in case of any discrepancy regarding unit rates and total amount shall be final.
7. Escalation of cost at any circumstances will not be permitted.
8. The bidder will be responsible to carry out the works as per detailed mentioned in **BOQ/TORs (Annex – A)** and the payment to the firm shall be made on actual work done.
9. No running/interim payment will be applicable.
10. The quantity can be increased (upto 15% of the total contracted quantities/amount) or decreased during the period of the contract at the sole discretion of PMDC without any prior notice to firm.
11. No extra item shall be allowed to be executed without written orders from the concern department/official.
12. Concern department/official shall reserve the right to add/ delete any item from bill of quantities and the firm will be responsible to execute any extra item required at site to complete the work and the payment for the same shall be made on mutually agreed rates.
13. Conditional bid will be rejected.
14. No extra/allied payment etc. shall be claimed by the firm.
15. The Firm shall be responsible to make complete arrangements for the execution of job as well as transportation/storage/security of the material etc. and the security/stay of his staff/workers.



16. The firm shall use all safety equipment/PPEs for the execution of the work as per respective standards and any damages to firm's staff shall be sole responsibility of the firm.
17. Any damages to PMDC assets, HR of whatsoever nature shall be completely borne by the firm.
18. The firm shall execute works in a manner that daily operations/works of PMDC may not be affected.
19. Bids should remain valid for a period of 90 days from the date of opening of tenders. In case no specific date of validity is mentioned in the offer, it will be presumed to be valid for a period of 90 days from the date of opening of tender.
20. If the firm fails to fulfill the contractual obligations of the contract, then the Security deposit will be forfeited.
21. All taxes will be applicable/deducted as per prevailing Government rules.
22. The tender for the supply / work will be completed / delivered at PMDC Head Office, Islamabad.
23. Firm should provide Company Profile/ Introduction of Organization (including name of Chief Executive, Partners, Key Professionals, etc.).
24. Firm should be of sound financial health and shall provide Bank statement covering last 12 months (from the date of submission of bid).
25. Completion time period will be 02 months. In case of delay, LD Charges @ rate 0.10% of total contract value will be applied per day upto 10 % of Total Contract Value.
26. Defect liability period (DLP)/warranty is 12 months, which will be start from the issuance of completion certificate.
27. The successful tender will have to execute a contract within the specified time, Payment will be made after satisfactorily completion work as per specifications and on submission of the bill in duplicate along with satisfactory completion certificate/report whereas security deposit will be refunded after expiry of DLP/warranty period.
28. The authorized representative of the bidder/bidding firm will only be allowed to sit in the tender opening on presentation of authority letter from the bidder/bidding firm issued in favor of representative to participate in the specific tender.
29. Affidavit on legal stamp paper that the applicant firm has never been blacklisted by government/autonomous/private bodies and if applicable, details of any litigation insinuated by the firm or against it and present status of any pending litigation.
30. Affidavit that Bidder/firm or any its subsidiary firms or of its directors/owners or any their relatives (parents, children, brother, sister) should not be under litigation with PMDC in any local or foreign court of law.
31. In case of any dispute regarding this purchase order/assignment, the same will be resolved between the relevant parties through negotiations. If negotiations shall fail, then matter will be referred to the Arbitrator. The MD, PMDC will act as sole Arbitrator as per Arbitration Act, 1940. Decision/award of Arbitrator will be final and binding on the both parties.



32. The tenderer/supplier shall appoint a representative at the project and furnish his postal address and contact number to PMDC. Any notice to be served on or document to be signed by the firm shall be either delivered personally or through the representative and in case it is not possible it shall be treated to have delivered if it has been mailed by registered post on the Postal Address of the representative.
33. PMDC Reserved the right to accept or reject the tender of the tenderer at any time without assigning reasons and cannot be challenged in any court of law.
34. The tenderer/supplier will be blacklisted who is found to the tender process by making coercive practices, collusive practices, corrupt practices, fraudulent practices & obstructive practices.
35. I agree to the above terms and conditions and give my acceptance.
36. Checklist of documents to be attached.

Note: For any technical queries please contact Dy. Manager (RS & GIS) at _____ during office hours at Email falakiltaf@pmdc.gov.pk, Tel: 051-9265123

Signature of tenderer: _____

Name of tenderer: _____




(Sajid Hussain)
DGM (Procurement)
Phone No.051-9265128

TERMS OF REFERENCE FOR E-LIBRARY (TOR)



PMDC
PAKISTAN MINERAL DEVELOPMENT CORP.

PAKISTAN MINERAL DEVELOPMENT CORPORATION

PMDC Head Office, 13 H-9, Islamabad

051-9265123-24

www.pmdc.gov.pk



TERMS OF REFERENCE FOR E-LIBRARY (TOR)

1. Title of the Project

Development and Implementation of a Secure E-Library and Controlled Digital Repository System.

2. Background

The organization holds a large volume of technical, geological, mineral, and research reports that are confidential in nature and critical for institutional knowledge and decision-making. There is a need to digitize, organize, and provide controlled access to these reports through a secure E-Library web-based system while ensuring data confidentiality, traceability, and compliance with internal data security policies.

3. Purpose and Objectives

The primary purpose of this TOR is to define the scope and requirements for developing an E-Library system with restricted and role-based access, enabling controlled online reading and time-bound issuance of reports.

The objectives include:

- Secure digital cloud base storage 500GB Cloud hosting (1 year) with 99.99% SLA of confidential reports and documents and system response time: < 2 seconds for page loads.
- Controlled issuance and return of reports through an online request system
- Prevention of unauthorized copying, downloading, screenshots, or redistribution
- Role-based access for different categories of users
- Full audit trail of report access and usage
- Live/In-person training for administrators/users.
- Time-bound access with automatic revocation.
- Request & Approval Workflow Engine as per PMDC requirements.
- Development Methodology: Agile with weekly deliverables.
- Technology Stack: Next.js 15, TypeScript, Prisma ORM, SQLite/MySQL/PostgreSQL, NextAuth.js or equivalent
- Security Level: Enterprise-grade with end-to-end encryption.
- Encryption at Rest: AES-256 encryption for sensitive data or equivalent.

Cont...



- Encryption in Transit: HTTPS/TLS 1.3 for all communications or equivalent.
- Data Anonymization: PII protection in logs.
- Regular Backups: Automated daily backups with encryption

4. Scope of Work

The vendor/IT team shall design, develop, deploy, and maintain a web-based E-Library system with the following features:

4.1 User Roles and Access Levels

- **Administrator:** Full system control, user management, report uploads, permissions, audit logs
- **Authorized Readers:** Access to approved reports based on role and permission
- **Abstract-Only Users:** Access limited to abstracts/metadata only
- **General Review Users:** Limited preview access with restricted navigation
- Access shall be granted strictly on a **need-to-know basis** as approved by management.

5. Report Issuance & Request Mechanism

- Users shall submit an online request to issue a report
- Each request must clearly state the purpose of access (e.g., review, study, reference, official work)
- Report issuance shall be time-bound, with a standard access period of one (01) week
- Upon expiry, access shall automatically be revoked
- For re-access, the user must submit a new request, subject to approval
- Access duration may be extended or restricted based on justified demand and approval authority

6. Reading & Viewing Restrictions

The system shall enforce the following content protection controls:

- Online reading only (no offline access)
- Downloading disabled for general users

Cont...



- Screenshots, screen recording, and copy-paste disabled
- Right-click and print functions disabled
- Encrypted document viewing using secure document viewer

7. Content Visibility Controls

✓ General Review Mode:

- One-time vertical scrolling only
- Backward scrolling disabled
- Sensitive sections blurred

✓ Abstract-Only Access:

- Users can view only title, abstract, keywords, and metadata

✓ Study/Research Access:

- Full document access granted only after following a defined approval procedure
- Access permissions shall be time-bound and logged

8. Data Security & Confidentiality

- Role-based access control (RBAC)
- Secure login with strong authentication
- Encrypted storage and transmission of data
- Full audit logs of user activity (access time, duration, document viewed)
- Compliance with organizational IT security policies

9. System Features

- Searchable digital catalogue (by title, author, year, subject)
- Metadata and abstract management
- Automated access expiry and revocation
- User request tracking and approval workflow
- Activity monitoring and reporting dashboard



Cont...

10. Infrastructure & Hosting

- Regular backups and disaster recovery provisions.
- Secure digital cloud base storage 500GB Cloud hosting (1 year) with 99.99% SLA with domain registration

11. Deliverables

- Fully functional E-Library web application
- User access control and security modules
- Report request and approval workflow
- User manuals and administrator guides
- Training for designated staff

12. Implementation Timeline

The project shall be completed as per an agreed work plan presented in pre presentation or implementation schedule, including development, testing, deployment, and user training phases.

13. Governance & Approval

The E-Library system shall operate under the supervision of designated authorities. Access policies, permissions, and extensions shall be governed by approved organizational procedures.

14. Confidentiality Clause

All data hosted and accessed through the E-Library shall remain the sole property of the organization. Unauthorized access, duplication, or dissemination shall be strictly prohibited and subject to disciplinary action.

15. Training:

The vendor shall conduct a comprehensive training sessions to nominated PMDC's staff with the knowledge and skills to effectively corporate and manage the system. Training should cover all relevant modules, functionalities, and features to ensure optimal utilization. Firm should also provide a detailed training schedule including End user Training and Technical training.

16. After Sales Service:

The vendor should provide ongoing technical support to address any inquiries, concerns, or issues that may arise after the e.system implementation. Timely assistance and issue resolution are critical to ensuring uninterrupted system operation.

Cont...



17. Development of Technology Stack.

Vendors advise to confirm as per below system technology stack or will quote equivalent.

Component	Technology	Rationale
Frontend Framework	Next.js 15	Server-side rendering, superior security, excellent performance
Language	TypeScript	Type safety, better error handling, improved maintainability
Styling	Tailwind CSS + shadcn/ui	Consistent design system, responsive, professional appearance
Database	SQLite with Prisma ORM/My SQL /post greeSQL	Reliable, file-based, easy backup, no separate server needed
Authentication	NextAuth.js v4	Secure session management, multi-provider support, GDPR compliant
File Storage	Local storage with encryption	Complete control, no third-party dependencies
State Management	Zustand + TanStack Query	Efficient client state, server state synchronization



18. Milestone.

S. No.	Description
1	Development and Implementation of a Secure E-Library and Controlled Digital Repository System at PMDC Head Office, Sector H-9, Islamabad as defined in TORs (One time)
2	500 GB Cloud hosting (yearly)
3	Technical support, cyber security (including threat detection and prevention), and annual data backups. (yearly)
4	Service Level Agreement (SLA) for the year.



Check List

Sr. No.	Description	Yes	No
1	Original Bid money amounting to Rs.200,000/- of is being deposited D.D/Pay Order:-		
2	Copy of CNIC and Authority Letter.		
3	Copy of registration certificate with FBR/relevant authority department.		
4	Company profile		
5	Copies of relevant experience as per Technical Evaluation Criteria.		
6	Comprehensive proposal as per Technical Evaluation Criteria.		
7	Detail of CVs of Proposed Team		
8	Financial Soundness Proof (Bank Reference or Bank Statement, Audited Report / Accounts).		
9	Affidavit of litigation		
10	Affidavit regarding no dispute with PMDC.		
11	Affidavit of No Conflict of Interest.		



Tenderer/Bidder Signature