



**BOARD OF SECONDARY EDUCATION, ODISHA, KATAKA**

**TENDER CALL NOTICE FOR FOR DEVELOPMENT, IMPLEMENTATION, OPERATION AND  
MAINTENANCE OF INTEGRATED TEST MANAGEMENT SYSTEM (ITMS)**

**NOTICE**

Ref:- Tender Call Notice No 621/Syll

Date: 03/07/2026

Sealed bids are invited from eligible & reputed agencies/IT firms having prior-experience of development, implementation, operation and maintenance of ITMS portal in aligned with PARAKH framework and National Education Policy (NEP) 2020 for any other state(s) of India.

The agency shall **Design, Develop, Implement, Host, Provide Training, Security Audit, Operation and Maintenance** of the Integrated Test Management System (ITMS) for BSE Odisha.

Interested bidders may submit Technical and Financial Bids separately as per the terms and conditions mentioned in this tender document.

**1. IMPORTANT INFORMATION**

| <b>Description</b>                                                                                                   | <b>Details</b>                                                                        |
|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Tender Inviting Authority                                                                                            | Board of Secondary Education, Odisha, Kataka.                                         |
| Name of the Work                                                                                                     | Development, Implementation & Maintenance of Integrated Test Management System (ITMS) |
| Tender Type                                                                                                          | Two Bid System (Technical Bid & Financial Bid)                                        |
| Last Date & Time for Submission of Bid                                                                               | 10/07/2026, 5pm                                                                       |
| Technical Bid Opening Date & Time                                                                                    | 13/07/2026 11:30am and presentation at 3:00pm                                         |
| Technical Presentation (Mandatory)                                                                                   |                                                                                       |
| Financial Bid Opening Date                                                                                           | 15/07/2026 11:30am                                                                    |
| Earnest Money Deposit (EMD) in form of Demand draft (Refundable without interest) in favour of the Secretary, BSE(O) | ₹30,000/-                                                                             |
| Performance Security (to be submitted while issue of work order in form of Bank Draft in favour of Secretary, BSE)   | 5% of Work Order Value                                                                |
| Tender processing Fee (Non-Refundable) in form of Demand draft in favour of the Secretary, BSE(O)                    | ₹ 6000/- + 18% GST                                                                    |

| Description        | Details                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------|
| Mode of Submission | By person/post/drop at the sealed box in the chamber of Establishment Officer before due date/time |
| Basis of Selection | Least cost method                                                                                  |

## 2. GENERAL TERMS & CONDITIONS

- 2.1** The bidder shall carefully examine all instructions, terms and conditions before submission of the bid.
- 2.2** Conditional bids shall not be accepted and shall be rejected summarily.
- 2.3** BSE Odisha reserves the right to reject any or all bids without assigning any reason thereof.
- 2.4** Any form of canvassing shall lead to disqualification of the bidder.
- 2.5** Incomplete bids or bids received after the stipulated date and time shall not be considered.
- 2.6** The successful bidder shall execute an agreement with BSE Odisha within 7 days from the date of declaration of tender result.
- 2.7** The bidder shall maintain complete confidentiality regarding question banks, examination materials, student data and all other information of BSE Odisha. A **Non-Disclosure Certificate** to be attached.

## 3. ELIGIBILITY CRITERIA

The bidder must qualify the following eligibility criteria:

- 3.1** The bidder must be a company registered under the Companies Act, 2013/1956 (Registration Certificate to be attached).
- 3.2** The bidder must have at least 5 years of experience in software/application development and implementation as on 01.01.2026 (Registration Certificate/ Incorporation Certificate to be attached)
- 3.3** The bidder must possess:
- Valid PAN
  - Valid GST Registration
- 3.4** The bidder should have minimum annual turnover of Rs. 10 Crores for FY 2023-24, 2024-25, each (CA Certification along with UDIN No of CA and ITR of that period to be attached).
- 3.5** The bidder must have positive net worth as on 31.03.2025 (CA Certification along with UDIN No of CA and ITR of that period to be attached). (CA Certification along with UDIN No of CA).
- 3.6** The bidder must have prior experience of development, implementation, operation and maintenance of ITMS portal in aligned with PARAKH Taxonomy and with Indian Education Board during the past 2 years (Relevant work order and work completion certificate to be attached).
- 3.7** The bidder must possess valid: (Attach relevant certificates)
- ISO 9001:2015 Certification

- ISO 27001 Certification

**3.8** The bidder should have experience in competency-based assessment systems aligned with PARAKH framework/taxonomy (Attach relevant documentary evidence).

**3.9** The bidder should not have been blacklisted/debarred by any Government Department/PSU/Autonomous Body (Bidder has to produce an undertaking in form of affidavit).

**3.10** No consortium/joint venture shall be allowed.

**3.11** The bidder must have the Cert-in Security Audit (Attach relevant certificate).

#### **4. SCOPE OF WORK**

The selected bidder shall undertake the following activities:

##### **4.1 Requirement Study & System Design**

- Requirement gathering
- Workflow study
- Process mapping
- Architecture design
- Database design

##### **4.2 Question Bank Management Module**

The module shall support:

- Question creation
- Bulk upload
- Multimedia integration
- Mathematical and Scientific equation support
- Metadata tagging
- Version control
- Translation workflow
- Blueprint mapping

##### **4.3 Competency-Based Assessment Support**

The system shall support:

- Bloom's Taxonomy
- PARAKH taxonomy alignment
- Difficulty level tagging
- Learning outcome mapping
- Competency mapping

#### **4.4 Question Paper Generation Module**

The module shall support:

- Automated paper generation
- Randomization & shuffling
- Multiple paper sets
- Template-based generation
- QR/Barcode integration
- Marking scheme generation

#### **4.5 Secure Delivery System**

The system shall support:

- Encrypted delivery
- Time-based access control
- Centre-wise authorization
- Offline encrypted package
- Audit trail and logging

#### **4.6 Result Processing Module**

The module shall support:

- Marks entry
- OMR integration
- Tabulation
- Grace mark configuration
- Mark sheet generation
- Re-checking/re-evaluation workflow

#### **4.7 Analytics & Dashboard**

The system shall provide:

- Student performance analytics
- District-wise analysis
- Subject-wise analysis
- Question-wise analytics
- Difficulty index analysis
- Custom MIS Reports

#### **4.8 Integration**

The system shall support integration with:

- Existing BSE Odisha systems
- SMS Gateway
- Email Gateway
- Digi Locker (if required)
- SSO mechanism
- Payment Gateway

#### **5. TECHNICAL REQUIREMENTS**

The proposed ITMS shall:

- Be web-based and responsive
- Support cloud/on-premise deployment
- Support Odia, English, Bengali, Telugu, Persian and Urdu Unicode
- Support minimum 5 lakh concurrent users
- Support 10,000+ institutions/examination centres
- Provide role-based access control (RBAC)
- Provide Three-Factor Authentication (3FA)
- Support encrypted database and file storage
- Maintain complete audit logs
- Support backup and disaster recovery

#### **6. TRAINING & DOCUMENTATION**

The successful bidder shall provide:

##### **6.1 Documentation**

- SRS Document
- System Design Document
- Database Documentation
- API Documentation
- Deployment Manual
- User Manual (Odia & English)

##### **6.2 Training**

Training shall be provided for:

- IT Personnel
- Examination Officials
- Evaluation Officials
- District Level Functionaries
- Centre Superintendents

Training materials and videos shall also be provided.

## **7. IMPLEMENTATION TIMELINE**

| <b>Activity</b>             | <b>Timeline</b> |
|-----------------------------|-----------------|
| Requirement Study & Design  | 30 Days         |
| Development of Core Modules | 90 Days         |
| Pilot Testing & UAT         | 30 Days         |
| Final Deployment & Go-Live  | 30 Days         |
| Total Implementation Period | 180 Days        |

## **8. MAINTENANCE & SUPPORT**

The selected bidder shall provide:

- 24x7 support during examination period
- Annual maintenance support
- Bug fixing and patches
- Security updates
- Database backup support
- Disaster recovery support

The maintenance period shall be for 3 years from the date of Go-Live subject to satisfactory performance of the service provider.

## **9. METHOD OF SUBMISSION OF BID**

The bidder shall submit:

### **Envelope–1**

#### **Technical Bid**

Containing:

Eligibility documents as specified in Technical Bid

- EMD & Tender Fee BDs
- Technical proposal

- Company profile
- Experience details
- Project methodology
- Duly filled Annexure – I

## **Envelope–2**

### **Financial Bid**

Containing:

- Financial quotation (Annexure – II)

Both envelopes shall be placed inside one outer sealed envelope superscribed:

**“TENDER FOR DEVELOPMENT OF INTEGRATED TEST MANAGEMENT SYSTEM (ITMS) FOR BSE ODISHA”**

and addressed to:

### **The Secretary**

Board of Secondary Education, Odisha  
Bajrakabati Road  
Kataka – 753001

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## **0. EARNEST MONEY DEPOSIT (EMD)**

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MD amount: Rs. 30,000/-

- In shape of Bank Draft
- Drawn in favour of:  
**“Secretary, BSE Odisha” payable at Kataka**

Bids without EMD shall be rejected.

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## **11. PERFORMANCE SECURITY**

The successful bidder shall deposit Performance Security equivalent to 5% of Work Order Value in shape of Bank Draft within 7 days of declaration of tender result.

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## **12. PAYMENT TERMS**

| <b>Stage</b>                    | <b>Payment</b> |
|---------------------------------|----------------|
| Completion of Development & UAT | 50%            |
| Successful Go-Live              | 30%            |

| Stage | Payment |
|-------|---------|
|-------|---------|

After 12 Months Successful Operation 20%

AMC payment shall be released annually after satisfactory performance certification by BSE, Odisha. From the second year.

### 13. PENALTY CLAUSE

- Delay penalty @ 2% of work order value per week subject to maximum 20%.
- Repeated security breaches/non-performance may lead to termination of contract and Penalty & other legal actions as deemed fit by BSE and should be bound by the service provider.
- Performance Security may be forfeited in case of breach of agreement along with other legal as well as financial penal actions, which are the sole discretion of BSE, Odisha.

### 14. CONFIDENTIALITY

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he selected bidder shall:

- Maintain strict confidentiality of examination materials
- Not disclose data to any third party
- Ensure secure handling of question bank and student data

Confidentiality obligations shall survive termination of contract and other penalty & legal actions as deemed fit by BSE.

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### 15. INTELLECTUAL PROPERTY RIGHTS

All source code, databases, documentation, application modules and related intellectual property developed under this project shall remain exclusive property of BSE Odisha.

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### 16. ARBITRATION & LEGAL JURISDICTION

Any dispute arising out of this tender shall be subject to:

- Arbitration under Arbitration & Conciliation Act, 1996
- Jurisdiction of Courts at Kataka only

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In case of any query Academic officer, BSE, Odisha may be contacted through email : [academicofficerbse@gmail.com](mailto:academicofficerbse@gmail.com).



**ANNEXURE-I**  
**TECHNICAL BID FORMAT**

| <b>Sl. No.</b> | <b>Particulars</b>                                                                                                           | <b>Details</b> |
|----------------|------------------------------------------------------------------------------------------------------------------------------|----------------|
| 1              | Name of the Bidder                                                                                                           |                |
| 2              | Registered Address                                                                                                           |                |
| 3              | Contact Number                                                                                                               |                |
| 4              | Email ID                                                                                                                     |                |
| 5              | Company Registration Number                                                                                                  |                |
| 6              | PAN Number                                                                                                                   |                |
| 7              | GST Number                                                                                                                   |                |
| 8              | Year of Establishment / Incorporation as a software / application development firm                                           |                |
| 9              | Annual Turnover (FY 2023-24)                                                                                                 |                |
| 10             | Annual Turnover (FY 2024-25)                                                                                                 |                |
| 14             | ISO Certifications                                                                                                           |                |
| 15             | Details of Similar Projects for any other state/s                                                                            |                |
| 16             | PARAKH-based Systems Developed Experience                                                                                    |                |
| 18             | CERT-In Audit                                                                                                                |                |
| 19             | Proposed Team Structure                                                                                                      |                |
| 20             | Project Implementation Methodology                                                                                           |                |
| 21             | Support & Maintenance Plan                                                                                                   |                |
| 22             | EMD & Tender Cost Fee                                                                                                        |                |
| 23             | Not Blacklisted by any Government Department/PSU/Autonomous Body (Bidder has to submit an undertaking in form of affidavit). |                |

**Declaration**

I/We hereby certify that all information furnished above is true and correct to the best of my/our knowledge and belief.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature of Authorized Signatory  
Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Seal of the Bidder

## **ANNEXURE-II**

### **FINANCIAL BID FORMAT**

Category -1. Consolidated rate for

Design, develop & maintenance of ITMS portal for BSE

Category – 2 . AMC per year

L1 bidder will be selected on the sum of rate quoted for Design, develop & maintenance of ITMS portal for BSE (category 1) and the rate quoted for AMC per year (category 2) in multiple of 3, i.e.  $\{(Rate\ quoted\ for\ category\ 1) + (Rate\ quoted\ for\ Category\ 2\ by\ 2 \times 3)\}$

### **Declaration**

I/We hereby agree to execute the work as per the terms and conditions of the tender document.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Signature of Authorized Signatory  
Name: \_\_\_\_\_  
Designation: \_\_\_\_\_  
Seal of the Bidder