



No. KSEDC/ITS/P053/2026-27 [E-314639]

Date:23.04.2026

**INVITATION FOR QUOTATIONS (IFQ)**

**TO APPOINT A SERVICE PROVIDER STUDY, DETAILED FRS PREPARATION, DESIGN, DEVELOPMENT, TESTING, COMMISSIONING AND WARRANTY SUPPORT OF AN APPLICATION TO SUBMISSION OF ADMISSION FORMS TO VARIOUS CENTER OF EXCELLENCE FOR ACADEMIC YEAR 2026-27 ALONG WITH POST-TECHNICAL SERVICES FOR THE MINORITY WELFARE DEPARTMENT.**

1. Sealed quotations are invited from eligible and qualified Companies / Firms to appoint a service provider for Project of Study, Detailed FRS Preparation, Design, Development, Testing, Commissioning and Warranty support of an application to submission of admission forms to various Center of Excellence for academic year 2026-27 along with Post-Technical services for the Minorities Welfare Department, in the format given below:

Sl	Item	Quantity	Unit	Unit Rate (including GST) (in Rs.)	Amount (including GST)
1	Study, Detailed FRS Preparation, Design, Development, Testing, Commissioning and Warranty support of an application to submission of admission forms to various Center of Excellence for academic year 2026-27 along with Post-Technical services for the Minorities Welfare Department.	1	Lump sum		
	Total				

**2. Eligibility Criteria**

- 2.1. The Applicant should be registered with the Commercial Tax Department. The Applicant should submit a copy of the GST Registration certificate.

**3. Scope of Services to be provided by the Service Provider**

- 3.1. Design and develop a secure applicant registration and login module.
- 3.2. As per the Minority Welfare Department's merit and roster rules pertaining to pre-university college admissions and in accordance with the directions of the Directorate of Minorities, the service provider shall prepare and submit district wise and center-wise merit based provisional selection lists, first selection list, second, third and final selection lists within the stipulated dates and subsequent additional selection lists as and when required.
- 3.3. For districts identified by the Directorate of Minorities and as required, the service provider shall prepare and submit district-wise merit-based and roster-compliant center-wise provisional and final selection lists, along with first, second, third and additional selection lists, as per department's directions.
- 3.4. The service provider shall develop and provide district-wise and center-wise role-based working login credentials for technical services and software applications and one ADMIN LOGIN to be under the control of the Directorate of Minorities. Further, a dedicated administrative (Admin) login shall be provided to the Directorate of Minorities for generating all required reports and monitoring purposes (Centralized logging and error monitoring). This shall be done by developing DYNAMIC REPORT modules as required.

- 3.5. The service provider shall be responsible for the development, operation, and maintenance of the technical services and software for the period of course completion from the date of commencement of the application process. Upon completion of the said period, the entire system, software, data, and related services shall be duly handed over to the Directorate of Minorities.
- 3.6. Design and develop secure data ingestion modules.
- 3.7. Implement automated data extraction from CSV, Excel, Database, and APIs with customized validation and data cleansing mechanisms.
- 3.8. Integrate audit logging and role-based access controls.
- 3.9. Implement rule-based allocation with capacity and location constraints with manual override and approved workflow integration Approval workflows for sensitive and other operations.
- 3.10. Customized conflict detection and resolution logic.
- 3.11. Implemented bulk PDF generation with secure watermarking and integrated secure download and access controls.
- 3.12. Implement district-wise and college-wise data grouping and customized sorting and filtering logic.
- 3.13. Enabled export functionality in PDF and Excel formats.
- 3.14. Design and develop customized role-based dashboard and menu with real-time monitoring and access.
- 3.15. Integrated live data visualization and analytics with integrated verification, locking, and audit mechanisms.
- 3.16. Implement role – based alert and notification mechanisms.
- 3.17. Develop secure admission list processing and storage mechanisms which is print-ready and in scanner-compatible formats.
- 3.18. Ensured alignment accuracy and error tolerance.
- 3.19. Develop automated merit and selection list generation engine.
- 3.20. Implement college-wise, category-wise, gender wise and quota-based logic with customized tie-breaking and ranking rules and enable exportable and verifiable selection lists.
- 3.21. Secure student registration and login and online application submission with dynamic fields having high availability and load handling during peak admission periods and Background processing for heavy tasks.
- 3.22. Configurable rule engine (seat allotment, counselling, reservation).
- 3.23. Action-level permissions (view, add, edit) and complete, comprehensive and separate audit trail for all user actions and modules.
- 3.24. Course-based application support based on College and course preference selection by students.
- 3.25. Upload and validation of documents (marks card, certificates) with Secure capture and validation of 10th standard marks.
- 3.26. Duplicate application detection.
- 3.27. Data ingestion via manual entry, CSV, Excel.
- 3.28. Application preview and final submission lock and Auto-generated acknowledgement receipt (PDF).
- 3.29. Support for multiple boards and grading formats.
- 3.30. Application verification by authorized users and Multi-level approval hierarchy.
- 3.31. Configurable seat allotment criteria with Category-wise and quota-wise ranking and Subject-wise weightage configuration based Automated rank list generation.
- 3.32. Tie-breaking rules configuration.
- 3.33. Seat allotment list verification and locking and Exportable seat allotment lists (PDF, Excel).
- 3.34. Multi-round counselling support.
- 3.35. Seat matrix management (college-wise, course-wise, category-wise)

- 3.36. Automated seat allotment engine in compliance with education/admission authority guidelines.
- 3.37. Manual override with approved workflow.
- 3.38. Counselling result publishing module and allotment locking after confirmation.
- 3.39. Document verification and status tracking.
- 3.40. Lock/unlock controls with audit logging and User-wise and timestamped activity logs.
- 3.41. Conflict detection and resolution mechanism.
- 3.42. Student application status reports (District-wise and college-wise reports based on gender , category , course , stream and quota) in Graphical and tabular report formats.
- 3.43. Seat allotment reports (District-wise and college-wise reports based on gender , category , course , stream and quota) in Graphical and tabular report formats.
- 3.44. On-demand and scheduled report generation and option of exporting to PDF and Excel formats.
- 3.45. Secure authentication and authorization and high concurrency support during peak loads.
- 3.46. Password hashing and secure credential storage and file storage with role based access controls.
- 3.47. Counselling schedule and allotment alerts and seat allotment change tracking.
- 3.48. Configurable data retention and archival policies with disaster recovery and failover support with automated backups and restore mechanisms.
- 3.49. Application submission confirmation alerts and SMS notifications wherever required.
- 3.50. Configurable notification templates and Optimized seat allotment algorithms.
- 3.51. Performance-based application approval workflow.
- 3.52. Multi-level verification and approval system.
- 3.53. Centralized database for user records.
- 3.54. Real-time application status tracking.
- 3.55. Admin dashboard with reports and analytics.
- 3.56. Client-server architecture for efficient processing.
- 3.57. Batch creation and scheduling.
- 3.58. Trainer/Mentor allocation to batches.
- 3.59. Capacity and seat management.
- 3.60. Daily attendance capture, Attendance lock and edit controls and Attendance reports and analytics ( Both Student and mentor).
- 3.61. Batch-wise and trainer-wise attendance tracking.
- 3.62. Online/offline assessments.
- 3.63. Automated and manual evaluation with automated answer key validation and scoring algorithms.
- 3.64. Practice tests and mock assessments with Grade and score calculation.
- 3.65. Certificate generation with QR/Barcode.
- 3.66. Certificate verification module.
- 3.67. Enrollment and completion reports.
- 3.68. Attendance and performance reports.
- 3.69. Trainer performance analytics.
- 3.70. Post-training academic support and guidance with access to training materials after course completion.
- 3.71. Doubt-clearing sessions and mentoring support.
- 3.72. Revision and refresher classes (online/offline).
- 3.73. Interview preparation support.
- 3.74. Career guidance and counseling.
- 3.75. Designed and developed a comprehensive OMR scanning and evaluation module and customized OMR sheet designs, including layout structuring and print- ready formats.
- 3.76. Manage OMR sheet designing and high-precision printing processes.

- 3.77. Integrated high-speed OMR scanner compatibility for efficient processing.
- 3.78. Developed secure result processing, data storage, and reporting mechanisms.
- 3.79. Incorporated barcode and QR code technologies for candidate identification and tracking.
- 3.80. Ensured precise alignment, calibration accuracy, and high error tolerance in scanning operations.
- 3.81. Developed an automated exam center allotment engine based on rule-based allocation with capacity and location constraints.
- 3.82. Design and develop nominal roll generation and management module dynamic hall ticket generation module.
- 3.83. Implement bulk PDF generation with secure watermarking.
- 3.84. Implement center-wise data grouping with Customized sorting and filtering logic.
- 3.85. Designed and developed digital attendance management system for students, mentor and invigilators.( real-time and offline attendance synchronization).
- 3.86. Integrated live data visualization and analytics with alert and notification mechanisms.
- 3.87. Implemented GPS-based geo-fencing and location tracking with Integrated camera capture with timestamp verification.
- 3.88. Online technical support for 3 years.
- 3.89. Warranty for 3 years, including bug fixing and maintenance for 3 years.
- 3.90. Intellectual Property Rights (IPR) and source code shall be owned by the Client and should be submitted to the Client.
- 3.91. Should present the document, software, etc. and obtain approvals and certificate of completion for each milestone.
- 3.92. Should provide user manuals for the application.
- 3.93. Application should be web based, responsive, device agnostic and operating system agnostic.
- 3.94. Should deploy and maintain the application in the testing and production environment as required by the Client.
- 3.95. Should carry out IT Security Audit of the application through CertIN empaneled IT Security Auditor.
- 3.96. Any other services required for the successful development, deployment, operations and warranty of application.

**4. Milestones, Deliverables, Timeframe, and Payment Terms**

Sl	Milestones	Deliverables	Timelines	Payment Terms
1	Award of Contract	<ul style="list-style-type: none"> <li>● Letter of Intent to Service Provider</li> </ul>	T	–
2	Requirement Study	<ul style="list-style-type: none"> <li>● Detailed Functional Requirements Specification (FRS) document</li> <li>● Approval of FRS document by Competent Authority</li> </ul>	T + 15 days	–
3	Design, Development and Testing	<ul style="list-style-type: none"> <li>● Screen designs</li> <li>● Web based application as per detailed FRS</li> <li>● One time master data entry</li> </ul>	T + 30 days	–
4	User Acceptance Test	<ul style="list-style-type: none"> <li>● Deployment of application in test environment</li> </ul>	T + 45 days	40% of contact value

Sl	Milestones	Deliverables	Timelines	Payment Terms
		<ul style="list-style-type: none"> <li>• User Acceptance Test Report certified by Competent Authority</li> <li>• User Manual</li> <li>• Handover of Source code, database and step-by-step deployment instruction document</li> </ul>		
5	IT Security Audit	<ul style="list-style-type: none"> <li>• Safe to Host certificate issued by CertIN empaneled auditor</li> </ul>	T + 60 days	–
6	Application Deployment	<ul style="list-style-type: none"> <li>• Deployment of final application in production environment</li> <li>• Go-live of application</li> </ul>	T + 60 days = T1	45% of contract value
7	1st year Warranty	<ul style="list-style-type: none"> <li>• Certification of completion of 1st year warranty services by Competent Authority</li> </ul>	T1 + 1 year	5% of contract value
8	2nd year warranty	<ul style="list-style-type: none"> <li>• Certification of completion of 2nd year warranty services by Competent Authority</li> </ul>	T1 + 2 years	5% of contract value
9	3rd year warranty	<ul style="list-style-type: none"> <li>• Certification of completion of 3rd year warranty services by Competent Authority</li> </ul>	T1 + 3 years	5% of contract value

**5. Contract Duration**

5.1. The contract shall be for a period of 38 months from the date of issue of Letter of Intent.

**6. Quoted Price:**

- 6.1. The Applicant shall quote for items in the format of quotation attached.
- 6.2. All duties, taxes and other levies payable by the tenderer (including GST) shall be included in the quotation.
- 6.3. The rates and amount quoted shall be fixed for the duration of the contract and shall not be subject to any adjustment.
- 6.4. Rates for supply of partial requirements is not acceptable.
- 6.5. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.
- 6.6. Cable or Facsimile quotations are not acceptable.

**7. Each tenderer must submit only one quotation.**

**8. Validity of quotations:**

8.1. The quotation shall remain valid for a period not less than 60 days after the deadline fixed for submission of quotations.

**9. Evaluation of quotations:**

9.1. The Client will evaluate and compare the quotations to determine the L1 quotation as follows:

- 9.1.1. The evaluation will be done including all taxes. If the tenderer has not included the taxes in his quotation for the item rate, and has also not indicated the rate of taxes applicable, the quoted rate will be treated as though it is inclusive of taxes and no extra payment for taxes will be made.
- 9.1.2. The evaluation would be done for all the items put together. The items for which no rates have been quoted would be treated as zero and the total amount would be computed accordingly. The tenderer who has quoted for partial quantity of any one or more item(s) would be treated as non-responsive. The Client will award the contract to the responsive tenderer, whose total cost for all the items put together is the lowest.
10. At any time during the IFQ process, the Client reserves the right to cancel the quotation process.
11. Notwithstanding the above, the Client reserves the right to accept or reject any quotations and to cancel the quotation process and reject all quotations at any time prior to the award of the contract.
12. **Last date and time of receipt of quotations:**
- 12.1. You are requested to submit the sealed quotations superscribed on the envelope **"INVITATION FOR QUOTATIONS (IFQ) TO APPOINT A SERVICE PROVIDER STUDY, DETAILED FRS PREPARATION, DESIGN, DEVELOPMENT, TESTING, COMMISSIONING AND WARRANTY SUPPORT OF AN APPLICATION TO SUBMISSION OF ADMISSION FORMS TO VARIOUS CENTER OF EXCELLENCE FOR ACADEMIC YEAR 2026-27 ALONG WITH POST-TECHNICAL SERVICES FOR THE MINORITY WELFARE DEPARTMENT"** on or before 29.04.2026.

  
Director Technical  
KEONICS, Bengaluru

