

Addendum-1

NIT No.: EdCIL/OTAS/ANCILLARY/2026/01

Date: 27.03.2026

Name: "Empanelment of implementing agencies to provide ancillary services"

The following addendum is made to the above tender's Chapter-V, SCOPE OF WORK"

Additional Scope of Work

C. Attendance and Biometric Authentication (Facial Recognition/ Digital Fingerprint capturing/IRIS) using AADHAAR:

Device-to-candidate ratio (for authentication using Aadhaar): At least one hand-held device per manpower per 50 candidates at every stage scheduled by EdCIL. Also, additional/ buffer devices must be available at each venue for contingencies, as decided by EdCIL and reserve manpower should also be available in each examination city to handle emergent situation. Aadhaar-based Biometric Authentication shall be done using STQC certified L1 Biometric Devices.

Device-to-candidate ratio (for authentication without using Aadhaar): At least one hand-held device per manpower per 100 candidates at every stage scheduled by EdCIL. Also, additional/ buffer devices must be available at each venue for contingencies, as decided by EdCIL and reserve manpower should also be available in each examination city to handle emergent situation.

F. Photograph Quality Check

EDCIL is keen to implement a solution to assess the quality of the application photographs submitted by the applicants. Therefore, at the application form stage itself, agency should identify candidate who are not adhering to EDCIL prescribed photograph standards. EDCIL

wants to assess uploaded photograph quality (blur, exposure and noise), recent age photo, gender in photograph matches with the candidate gender, occlusion of any kind, human photograph, single person in the photograph, and face area should be as per standard.

- i) The results of the above should be provided within 1 week after sharing of data by EDCIL.
- ii) The accuracy for all the components of the solution should be more than 90%.
- iii) The confidentiality of data is very important and therefore, it would be the responsibility of the agency to maintain data security of highest standards.

G. Photograph Comparison

EDCIL will provide agency photographs of previous year's same exam successful candidates and which should be compared with the current year candidate photographs to identify similar candidates. Each previous year successful candidate photograph would be matched with current year candidate application photograph. Subsequently the photographs of the candidates appearing in each shift will be matched with photographs of candidate appearing in all previous shifts. (i.e. 1 is to N comparison).

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H. Staff Identity Verification and Attendance Management at Exam Centres

EDCIL intends to implement a technology-enabled Staff Identity Verification and Attendance Management Service for conducting examinations across the State. The solution shall ensure that only authorized personnel are permitted to access examination premises, with secure logging of entries and exits for compliance and audit purposes. All processes, including data onboarding, verification, and reporting, shall be fully encrypted and protected through end-to-end security protocols.

- i. The Bidder shall provide a dedicated software solution with a centralized dashboard offering multi-tiered access controls at the city, centre, vendor, and user levels for staff onboarding and management.
- ii. The Bidder shall deploy a secure web and mobile platform for identity verification of staff through Aadhaar authentication during the onboarding process.
- iii. Uniquely encrypted QR codes or entry passes shall be issued via the mobile platform, operable in both online and offline modes, for secure staff access to examination premises.
- iv. The centralized dashboard shall display real-time staff enrolment status and duty confirmation for monitoring and control by EDCIL.
- v. All staff-related data must remain encrypted at rest and in transit to ensure protection against unauthorized access or tampering.
- vi. The Bidder shall complete the required infrastructure setup at each examination centre prior to the scheduled examination day to ensure readiness and smooth operations.
- vii. On-site operators shall be trained and deployed for issuing ID cards and performing staff identity verification during the examination process.
- viii. Real-time staff identity verification shall be performed at entry points using secure scanning of encrypted credentials.
- ix. Role-based, color-coded ID cards shall be allocated to staff to ensure correct role mapping and access control.
- x. The system shall automatically generate daily, shift-wise, and role-wise attendance reports, including staff check-in and check-out times.
- xi. Logs of all provisional entries shall be maintained separately for EDCIL review and audit purposes.
- xii. All reports, logs, and system communications shall remain encrypted and shall only be shared securely with authorized stakeholders.

I. Real-Time Candidate Monitoring Solution at Exam Centers

EDCIL intends to implement a comprehensive technology-enabled Real-Time Candidate Monitoring Solution at its designated examination centres, to enhance security, ensure integrity of the examination process, and provide actionable insights for effective incident resolution during high-stakes examinations.

- i. The successful Bidder shall provision, configure, and operationalize a real-time monitoring platform across all EDCIL-designated examination centres.

- ii. The Bidder shall supply and install all required tracking devices, access points, and associated network infrastructure necessary for successful implementation.
- iii. The Bidder shall integrate the proposed monitoring solution with existing surveillance and security infrastructure at examination centres, including emergency response interfaces wherever applicable.
- iv. Real-Time Location Tracking of candidates shall be implemented using wearable tags assigned to individual candidates after biometric verification.
- v. The solution shall continuously monitor and track candidate movement within geo-fenced boundaries defined for the examination centres.
- vi. The Bidder shall provide a centralized, interactive monitoring dashboard enabling live tracking, incident visualization, and real-time monitoring by EDCIL control room officials.
- vii. Geo-fence alarms and emergency alerts must be configured for detection of breaches and to enable immediate response.
- viii. The solution shall maintain complete trajectory playback and movement history logs for audit, analysis, and investigation purposes.
- ix. Automated alerts must be configured based on pre-defined events or movement rules.
- x. The solution should support integration with a ticket management system for incident logging, reporting, and resolution tracking.
- xi. The Bidder shall implement a Health Monitoring System (HMS) to enable real-time monitoring of tags and devices, including functionality for performance diagnostics and troubleshooting.
- xii. diagnostics, calibration, and preventive maintenance of devices shall be performed by the Bidder to ensure seamless system performance.
- xiii. solution shall generate regional-level statistics and detailed analytical reports for each examination session.
- xiv. Post-exam summary reports covering incidents, device performance, and candidate movement analytics shall be submitted to EDCIL by the Bidder.
- xv. The system shall comply with all applicable data protection laws and ensure secured storage and transmission of tracking data.

- xvi. All tracking devices must be sanitized and reset after each examination session.
- xvii. No candidate's Personally Identifiable Information (PII) shall be stored beyond the lifecycle of the respective examination.

J. Integration of Aadhaar Face Authentication

EDCIL intends to integrate Aadhaar-based Face Authentication within the candidate registration workflow to strengthen identity verification, ensure genuine candidature, and eliminate impersonation risks in compliance with UIDAI Aadhaar Authentication and KYC guidelines. The selected Bidder shall be responsible for providing a fully compliant, secure, and scalable Aadhaar Face Authentication solution integrated with UIDAI-approved APIs and FaceRD specifications.

EDCIL will provide the examination schedule and timelines for onboarding of candidates. The Bidder shall ensure full readiness of all system components before commencement of the registration activity.

- i. The Bidder shall integrate UIDAI Aadhaar Face Authentication services using UIDAI-approved APIs and FaceRD specifications.
- ii. The solution shall support secure transmission of Aadhaar Number or Aadhaar Token strictly in accordance with UIDAI security and compliance requirements.
- iii. The solution shall capture real-time facial images using UIDAI-compliant FaceRD, ensuring accurate and reliable authentication.
- iv. The solution shall comply with all Registered Device requirements, encryption standards, audit controls, and authentication norms prescribed by UIDAI.
- v. The solution shall provide configurable workflows to support Aadhaar-based authentication as required by EDCIL.
- vi. The solution shall ensure that Aadhaar Face Authentication is performed in real time with complete end-to-end encryption.
- vii. The Bidder shall implement Aadhaar Face Authentication workflows integrating Live Photo Capture and Face Match, as detailed below:

- (a) The registration portal shall redirect the candidate to the designated Face Authentication URL, carrying the following parameters:
 - Candidate roll number or unique identifier
 - Aadhaar Number or Aadhaar Token (entered by the candidate or provided through an EDCIL-approved Aadhaar token mechanism)
 - (b) On the redirected authentication screen:
 - The candidate shall complete Aadhaar Face Authentication
 - eKYC demographic details and Aadhaar eKYC photograph shall be retrieved
 - The system shall capture a live photograph of the candidate using the device camera
 - (c) The live photograph shall be matched against the Aadhaar eKYC photograph.
 - (d) A Face Verification check shall be performed to authenticate the candidate's identity.
 - (e) The solution shall securely POST Aadhaar eKYC demographic details and the live captured photograph to EDCIL's callback API for application records.
- viii. The Bidder shall ensure that Aadhaar Face Authentication operates reliably on devices having a minimum of Android 8.0 or above (unrooted), 4 GB RAM or higher, a camera of at least 5 megapixels, and a minimum of 500 MB available storage capacity.
- ix. The Bidder shall ensure system compatibility, performance, and smooth usage across all supported devices during the entire registration period.
- x. The Bidder shall comply with UIDAI data protection, security, audit, and encryption requirements, including:
- a) All Aadhaar numbers, Aadhaar tokens, facial images, and authentication data shall be encrypted using AES-256 or higher during transmission.
 - b) No Aadhaar number, Aadhaar token, biometric image, or authentication record shall be stored locally on the device, within the application, or on intermediate servers.

- c) All transactions shall be executed over UIDAI-approved secure channels using FaceRD-compliant mechanisms.
- d) The system shall generate and maintain all required audit logs without storing any Aadhaar or biometric data.