

Notice Inviting Quotation for Temporary Installation of CCTV Cameras and Video Surveillance System at Different Examination Centres located all over the State of Odisha

NIQ Ref. No. EdCIL/OTAS/CCTV/2024/01 dated 17.01.2024



EdCIL (India) Limited
(A "MINI RATNA" Category – I CPSE Govt. of India)
'EdCIL House', Plot No. 18A, Sector – 16A
NOIDA – 201301 (UP), INDIA
Tel: 0120 – 4516001-02, 4514003, 2970206, 2970207, Fax: 0120 – 2970209

Notice Inviting Quotation

Dear Sir/Madam,

EdCIL (India) Limited, herein after called 'EdCIL' is a Category - I, Mini-Ratna Public Sector Enterprise under the administrative control of the Ministry of Education, Government of India. The Company offers Project Management and Consultancy Services in the entire education and human resource development value chain within India and overseas. EdCIL is an ISO 9001 – 2015 & 14001-2015 Certified Company.

EdCIL intends to execute Artificial Intelligence Based Live CCTV Surveillance with Video Analytics Features, Live CCTV Surveillance during examinations at Multiple Examination Centres, CCTV Recording during examinations at multiple examination Centres, Setting up of Integrated Command Control Centre at client location (one) in Odisha for Live CCTV Monitoring Feed and GPS tracking of examination Squad Members. The scope of work is mentioned hereunder.

Scope of Work:

Category – A: Artificial Intelligence based Live CCTV Surveillance with Video Analytics features at Classrooms and Strongroom.

1. Installation of CCTV, DVR/NVR, adequate HDD storage, UPS backup of 15 minutes, dedicated Internet bandwidth, Public IP(s) & its accessories at each Exam hall on rental basis.
2. Generation of Alerts
 - (i) if any movement is detected at Entry/Exit Gates during Examination.
 - (ii) if the furniture inside the classrooms is not properly arranged
 - (iii) if the cameras are offline or are tempered by Masking or Black Screen
 - (iv) if Invigilator is not moving even after the specified time/ Inactivity is detected in Invigilator's movement
 - (v) if there are more than allowed number of people in Question Paper Room during the defined hours
 - (vi) in case of detection of Crowd/ Fight/ Conflict inside the Classroom
 - (vii) Intrusion detection: Intrusion alerts based on Intruders within a defined perimeter (Region of interest)
 - (viii) List of cameras which are completely offline or not available for analysis for certain duration.
3. On identification of any type of violation, an Alarm should be raised at the Integrated Command Control centre situated at client HQ.
4. The confidentiality of data is very important and therefore, it would be the responsibility of the Service Provider to maintain data security of highest standards.
5. The list of cameras to be installed by Service Provider and related details along with Locations would be made available atleast 2 weeks before the commencement of CCTV monitoring activity.

6. The Service Provider should provide access to a dashboard with real time updates to violations.

Category B: Live CCTV Surveillance during Examinations

1. Installation of CCTV Color cameras should be made at least one day in advance from the scheduled date of examination and/or in such a way that the CCTV are required to be functional for one hour before the scheduled time of commencement of the examination and 0.5 hour after the completion of the examination.
2. To organize and provide required manpower to install the CCTV devices at the Centers.
3. CCTV feed data should travel through secured VPN Tunnel and one copy should be maintained at Cloud based storage.
4. Cameras should be connected to Internet and Service Provider has to ensure that at least 90% live camera feed is made available at HQ control room at all times during the entire duration of examination.
5. Live Camera feed should be made available at 30 Districts(s) as well. Service provider has to provide the web link to access the live feed and training should be imparted to DEO staff for functioning of VMS software. However, IT Infrastructure such as LED, Desktop/Laptop and Internet connectivity at each DEO office will be arranged by the DEO office itself.
6. During the period of examination, CCTV facility shall not be interrupted due to any technical fault, etc., and the Service Provider shall take due care of functioning of CCTV with adequate backup of CCTV during the conduct of examination and as per the time period mentioned in the Work Order of respective assignments.
7. UPS or Diesel Generator Power backup arrangement would come under the scope of EdCIL's end client. In addition to this, Service Provider has to arrange 15 minutes backup at each exam centre for their CCTV infrastructure.
8. The hardware required for the job shall be procured and maintained by the Service Provider and Training/ sensitization of staff deployed at the examination Centres shall be imparted by the Service Provider.
9. Internet and other arrangements on every Exam center would be in the scope of Service Provider.
10. Service Provider should have adequate number of Color CCTV cameras available (as backup) in case of emergency.
11. The recorded videos shall be handed over to the authority of the Board in external hard disks within 30 days from the date of last examination. In case of immediate requirement, the vender will have to provide video footage of a centre, of a day or days immediately.
12. Installation and commissioning of CCTV at every Examination center at the time of examination conducted by EdCIL's end client, as per requirement on turnkey basis for close observation of activities of the candidates.

13. Service Provider has to install CCTV camera as directed by EdCIL's end client at the time of giving Work order.

Category C: CCTV recording during Examinations

1. It includes installation of CCTV cameras along with the requisite hardware and software for the CCTV surveillance system at the designated location i.e., Exam Centres/Nodal Centres
2. The supplier should provide turn-key solution for the entire site.
3. The DVR shall be connected to the display unit of the examination centre.
4. All the cameras installed in the centre shall be connected to the DVR for uninterrupted recording of videos. The DVR will be placed in the centres, in the room of Centre superintendent or any room selected by him.
5. UPS or Diesel Generator Power backup arrangement would come under the scope EdCIL's end client.
6. The installation will be for a period as mentioned in Financial bid, during conduct of HSC Examination likely to be held in the month of February- 2024.
7. Installation will be made at approximately multiple examination centres located throughout the state.
8. The recorded videos shall be handed over to the authority of the Board in external hard disks within 30 days from the date of last examination. In case of immediate requirement, the vender will have to provide video footage of a centre, of a day or days immediately.
9. The format of video must be easy and should be played in VLC Media Player/ Window Media Player with clear vision.
10. The External hard disk shall contain video folder of individual centre. Videos shall be arranged date wise, Camera wise. Video footage of exam hall shall be from 30 minutes before start of exam till 15 minutes after the exam gets over but the strong room camera video footage shall be continuous and uninterrupted from starting of exam day till the completion of examinations.

Category D: Setting up of Integrated Command Control Centre at EdCIL's end client HQ for Live CCTV monitoring feed

1. Service Provider has to setup Integrated Command Control centre at the Office of EdCIL's end client on a rental basis for a period as defined in Financial bid.
2. Service Provider will be provided a Hall room space for establishment of ICCC at EdCIL's end client HQ.
3. Service Provider has to setup below mentioned IT items:
 - a. Video wall having 8 LED's (In case of space constraint, it could be split into 2 parts)
 - b. LED size should be of minimum 50 inches
 - c. Video Wall Controller

- d. Adequate Laptop / Desktop and latest Windows Operating system for smooth controlling & functioning of Video wall
 - e. Internet line of 100 Mbps bandwidth
 - f. Suitable IT Software's to safeguard the Data privacy
4. For multiple streaming/viewing of live CCTV Feed in EdCIL's end client HQ control room, the LED screens set up by the Service Provider should be able to identify state, city, exam centre and exam room.
5. Computer/ Laptop and manpower will be provided by Service Provider in EdCIL's end client HQ Control Room.
6. Service Provider has to do a makeover of the Hall room completely which should include setup of below mentioned non-IT items:
 - a. Acrylic frame for Video Wall with EdCIL's end client office logo branding
 - b. Red carpet flooring
 - c. Furniture works including sitting Workstation table with Chair
 - d. Miscellaneous table
 - e. Sofas for Dignitaries
 - f. Decorative and Wall coverings
 - g. Planters and Green elements
 - h. Cabling Infrastructure: Standardized cabling for all IT setup to be installed as part of this Job Work. Install necessary cables and connectors at the ICCC hall for smooth functioning of the ICCC. Cabling should be done in such a way that the aesthetic of the ICCC is maintained.
7. Service Provider has to arrange and setup the IT and Non-IT/ Hardware and Software items on a rental basis only and has to remove the complete infrastructure/setup immediately after the project duration is over, or in case decided otherwise by EdCIL's end client and confirmed through a written notice.
8. Service Provider has to deploy Technical Manpower for the functioning of the Video wall, as & when required by EdCIL's end client.
9. Service Provider will be responsible to arrange food and lodging facility of its own for their own manpower.
10. EdCIL's end client will make available and arrange:
 - a. SPOC for this project work
 - b. Access to ICCC room during office hours
 - c. Access to ICCC hall room during extended hours, if required for early setup
 - d. Power supply in the ICCC room
 - e. Proper Lights & Air Conditioning of ICCC room
 - f. Physical security of Infrastructure to be setup as part of this Job Work
 - g. Generator Power backup for ICCC room

Category E: GPS Tracking of Flying Squad members

The service provider is responsible for delivering a comprehensive GPS tracking solution for the Flying Squad officers, equipped with the following features:

1. GPS Tracking via Android Application: The service provider shall provide an Android-based application that allows real-time GPS tracking of each squad officer and in case, they are travelling their official vehicles then provision of vehicle GPS tracking should also be provisioned.
2. One-time User registration: While the user download the application through the APK file or link, user should be allowed to register in the application by clicking their live photograph and OTP based verification of phone number should also be done.
3. FR-Based Attendance: The application must record attendance once per day at the start of each working day for the Flying Squad officers to ensure the authenticity and security of the user profiles.
4. Real-time Location Updates: GPS tracking must provide location updates at regular intervals, with a frequency of every 15-30 minutes to ensure accurate location monitoring.
5. Health Status Monitoring: The system should monitor the health status of each device and notify if any device goes offline for more than 30 minutes.
6. Summary Report Generation: Enablement of a downloadable summary report for each Android application user.
7. Exam Centre Mapping: The Android application must include a feature to map exam center coordinates on the application map.
8. Geo-Fencing: The system should allow for the creation and management of geo-fences, enabling alerts to be triggered when squad officers enter or exit specified geographical areas.
9. Report submission: Flying Squad officer, if required, should be allowed to share the images of Case sheets relevant to any Exam centre through the Android application.
10. User Manual: The service provider should provide user video & document manual to access the Android application and its functionalities.
11. EdCIL's end client will make available and arrange:
 - a. Each Flying Squad officer should have their own fully charged battery Android mobile device with active Internet at all the times while on official duty.
 - b. EdCIL's end client should make available the Name, Contact details of Flying squad officers at least 2 weeks in advance to the service provider.

Pre-Qualification Criteria:

1. Agency should be a Private/Public Company registered in India.
2. Consortium/joint venture will not be allowed.

3. Agency should in the business of providing CCTV Surveillance and Recording during examination, Setting up of Integrated Command Control Centre for Live CCTV Monitoring during examinations during last five years.
4. Agency should have average annual turnover of INR 5 Crore during the FY 2020-21, 2021-22 and 2022-23. Copy of audited balance sheet and profit & loss account needs to be submitted.
5. Agency should be profitable during the FY 2020-21, 2021-22 and 2022-23.
6. Agency must have valid ISO 9001:2015 certification as on the day of bidding.
7. Agency should submit their company registration certificate, PAN and GST certificate.
8. Agency should submit MAF from OEM of VPN hardware alongwith their certification such as CE/RED, UKCA, CITC, ISACA, RCM, CB, E-MARK, GCF and declaration of software security to ensure the IT security and encryption of CCTV data feeds.
9. Agency should submit MAF from OEM of CCTV hardware alongwith their certification such as ISO 14001, ISO 27001, ISO 45001, full time ONVIF member, UN and GDPR Compliance and should be into existence in India Since last 10 years as on day of submission of NIQ with manufacturing in India since last 5 years.
10. OEM of UPS should have certification such as ISO 9001, TL 9000, BIS, CE, ROHS, FCC, MII certificate (class I) certified, E-waste EPR registration certificate of producer from CPCB received in last 3 months as on day of submission of NIQ.
11. The agency should submit self-attested documentary evidence complying with all points of bidder pre-qualification criteria along with the NIQ.
12. The agency to submit undertaking for non-blacklisting as per the format mentioned in NIQ.

Payment Terms:

100% Payment will be made within 30 days of submission of invoice along with Go-Live document proof signed by the concerned Authority from EdCIL's end client.

Terms and conditions:

1. The sealed techno-commercial quotation shall be submitted by the interested agencies through email at ugaikwad@edcil.co.in on or before 18.01.2024 upto 4.00 PM in two different PDF files (separately for pre-qualification criteria and financial quote) addressing to General Manager (OTAS), EdCIL (India) Limited, a Government of India Enterprise, 18A, Sector-16A, Noida-201301, U.P.
2. The financial quotation should be password protected.
3. Emails received after the aforesaid date and time shall be rejected.
4. The quotation shall remain valid for 90 days from the date of submission.
5. Penalty: Non execution or non-completion of assigned work in time or

execution of work without specifications as laid down in the NIQ will result in penalty which will be decided by EdCIL.

6. EdCIL reserves the right to reject any or all offers without assigning any reasons thereof.
7. Counter terms and conditions offered by the supplier shall not be accepted.
8. Submission Of Forged Documents: The Agency should note that EdCIL may verify authenticity of all the documents/certificate/information submitted by them against the pre-qualification criteria. In case at any stage of this process, if it is established that bidder has submitted forged documents/certificates/information towards fulfilment of any of the pre-qualification criteria, EdCIL shall immediately reject the bid of concerned Agency.
9. Clarification From Bidders: The queries may be asked from Agencies for submitting shortfall to be submitted within specified date and time. Also, every document submitted against following queries should be signed by the person authorized as per Authorization letter / Board Resolution submitted by Agency, without which the documents will not be accepted as valid.
10. The quantity of goods mentioned above may vary (+)/(-) 10%, however, the rates will remain same.
11. GST shall be paid extra.
12. The quotation should be strictly submitted as per the format attached.
13. All disputes arising in connection with executing the purchase order will be subject to redressal by the Chairman & Managing Director of EdCIL.

U.S. Gaikwad
17/11/2024

(U.S. Gaikwad)
General Manager (OTAS)

Format for Quotation

Category	Service Description	Minimum No. of CCTV*	Period Duration**	Minimum No. of Days*	Minimum No. of Venue or User*	UOM	Unit Price (Excl. GST)	Per Camera Higher Charges (Excl. GST)
A	Artificial Intelligence based Live CCTV surveillance with Video Analytics features at Classrooms and Strong room	8 to 10	Feb 20 to March 4	14	100	Per Venue	₹ _____	₹ _____
B	Live CCTV Surveillance Service during Examination as per Scope of Work	8 to 10	Feb 12 to March 5	23	100	Per Venue	₹ _____	₹ _____
C	CCTV recording (Non-Live) of Examination Centres during Examinations as per scope of work	8 to 10	Feb 20 to March 4	14	700	Per Venue	₹ _____	₹ _____
D	Setting up of Integrated Command Control Centre at EdCIL's end client HQ for Live CCTV monitoring feed as per scope of work	1	Feb 9 to March 5	26	1	Per Venue	₹ _____	₹ _____
E	GPS Tracking of users of Flying Squad team	NA	Feb 20 to March 4	14	80	Per User	₹ _____	₹ _____
***Grand Total (A + B + C + D + E) (Exclusive of GST)								₹ _____

Note:

1. GST as applicable from time to time shall be paid extra.
2. Quoting for all line items are mandatory.
3. The rate quoted above must include all incidental expenses w.r.t. deployment of required manpower transportation, installation, commissioning, removal, etc. and local taxes if any.

(Signature of Authorized person with stamp)

Undertaking Of Non-Blacklisting

This is to confirm that we M/s _____ (give full address) have not been declared neither failed to perform on any Agreement, nor have been expelled from any project or Agreement nor any Agreement terminated for breach by the us (Agency) in any of the government department and public sector undertaking /enterprise or by any other Client in India, in last five years as on the day of submission of this quotation.

If the above information is found false, EdCIL (India) Limited will have full right to reject the quotation.

Authorized Signatory