



Expression of Interest

FROM

QR CODE SCANNER SOLUTION PROVIDERS

For

QR CODE SCANNER

May, 2018

UNIQUE IDENTIFICATION AUTHORITY OF INDIA

Government of India (GoI)
Bangla Sahib Road, Behind Kali Mandir,
Gole Market,
New Delhi - 110001

1. Introduction and Overview

Unique Identification Authority of India (UIDAI) invites Expression of Interest (Eoi) for participating in 'QR Code Scanner for Aadhaar' Proof of Concept (PoC) exercise from the QR Code Scanner Solution Providers (QRSSPs) that can be used to verify Aadhaar.

Unique Identification Authority of India (UIDAI) has been set up with the mandate of providing a unique identification number (Aadhaar) to all residents of India and defining usages and applicability of Aadhaar for delivery of various services. To enable offline verification of Aadhaar data, UIDAI has introduced 2D QR code printed on Aadhaar letters. This QR code will be digitally signed by UIDAI and can be scanned and verified with the help of QR code scanners and UIDAI QR Code Reader application. Banks and Authentication agencies can read the information on QR code to verify the details like photo and other demographics with the person presenting E-Aadhaar /Aadhaar letter. The implementation of QR code will eliminate the risk of forgery as any forged/duplicate/photo-shopped E-Aadhaar/Aadhaar letter can be easily identified by scanning the QR code. UIDAI endeavours to study the latest advances in QR code scanning technologies and hence would like to test the QR scanners available in the market and create a proof of concept for same.

2. Aadhaar QR Scanning

QR Code Scanners are available in market from various QRSSPs which can be used to scan the 2D QR code. By scanning the QR code printed on E-Aadhaar/Aadhaar letters, photograph and other demographic details of the Aadhaar holder will be displayed along with the sign indicating whether it is digitally verified by UIDAI or not. The QR code scanner should be able to scan the QR code available on Aadhaar letter with optimal range and angle along with other features like Safety, Security, ease of use, optimal operating temperatures etc.

Performance of these QR scanners can be measured on the basis of time taken to scan the code, ease of use, safety guidelines, Reliability, Security features. To assess the performance and to come up with standardization of QR code scanners with the help of STQC, UIDAI would like to evaluate different QR scanner models available in the market.

This will enable the agencies/service providers to procure the QR code scanners with standard features to scan and verify the E-Aadhaar/Aadhaar letters. Any agency or body which require E-Aadhaar/Aadhaar letter to deliver any requested service from Resident can scan the QR code with the help of these QR code scanners and can check whether the provided Aadhaar/E-Aadhaar letter is digitally verified by UIDAI or not.

Expression of Interest – QR Code Scanning

UIDAI proposes to conduct field testing activities as a collaborative effort with the QR Code Scanner solution providers in order to study the feasibility of '*QR Code Scanner technology*'.

Through this Expression of Interest (EOI), UIDAI invites applications from organizations specializing in QR Code Scanner technology to participate in lab and field testing.

3. Objectives and Prerequisites

The proposed testing is expected to achieve the following objectives

- (i) Provide a complete demo of QR Scanner exhibiting all the available features.**
- (ii) PoC of QR Scanner technology by scanning over a resident sample size chosen by UIDAI.**

UIDAI intends to invite eligible entities to participate in EoI. This exercise will be in two stages comprising of

- (i) Expression of Interest in the first stage which involves short listing of QRSSPs. The QRSSPs as per the eligibility criterion provided in the EoI, shall submit an application, covering information in hard copy and in softcopy before the last date and time provided in the EoI.
- (ii) The second stage of EoI process The eligible QRSSPs shall be called for a discussion and demo of their product.will comprise of PoC over a sample size to check the accuracy, safety features, Reliability and Ease of use of QR Code Scanner Technology of QRSSPs.

To participate in EoI, QRSSPs shall have to submit the following to UIDAI

- (i) QR Scanner Models with specifications of each model**

The QR Code Scanner Solution Provider shall ensure that QR scanning Technology will meet the following requirement before participating in the EoI:

- (i) **Non-Discriminatory:** It should be inclusive device with no discrimination while using.
- (ii) **Safety guidelines:** It should be safe to use and should not cause any harm to user.
- (iii) **Reliability:** It should be reliable in sense of scanning the document.
- (iv) **Accuracy:** It should be precisely accurate while scanning the QR code and fetching the details out of it.
- (v) **Security Concerns:** The QR Code Scanner device must not store any data in any internal memory or with any memory chip installed in it. The device must not have any feature to fit memory chip/stick to store data.
- (vi) **Operating Temperature and Power:** The operating temperatures and power consumption of QR Code Scanner devices should be in line with ISO standards.
- (vii) The QRSSP should also explain if device is using Electromagnetic methodology and impact of using such methodology.

The QRSSPs may follow the below briefed **'Likely Scenario'** to demonstrate their QR Scanner technology:

- a) Random samples of e Aadhaar/ Aadhaar letter will be identified with both digitally verified and not verified data.
- b) QR Scanner will scan and read the 2D QR code with installed reader (Downloaded from UIDAI's official website).
- c) Results will be validated by UIDAI and performance will be measured based on the described measures. (in above section)

4. Outcome

UIDAI shall conduct the PoC to explore the feasibility of QR Code Scanners. It is intended that post this EOI, UIDAI shall be able to frame specifications for QR Code

Scanners. This would be used as an input for standardization and certification of devices by STQC.

The interested applicant (individual/organization/company or as may be deemed suitable) may submit their response as per Response Template given in this EOI. The solution hereby proposed, may be owned, licensed or in development, may be clearly notified to UIDAI as a part of the submitted response document.

Mandatory Document to be submitted:

Undertaking on organisation’s letter head describing the ownership/licensed status of the proposed QR Code Scanner Devices.

Disclaimer: By publishing this EOI or participation of any QRSSP based upon this EOI, UIDAI is neither bound to implement nor bound to purchase the technology/product shown by any QRSSP. QRSSP will be responsible for their Submissions, and QRSSP will have full responsibility for their Submissions, including their legality, reliability, appropriateness, originality and copyright. UIDAI shall not be liable for any dispute or difference of any kind whatsoever which may arise between the two or more QRSSPs regarding the ownership of submitted QR Scanners and features of the same. Participation through this EOI is completely on voluntarily basis and by furnishing technology details by QRSSP will not entitle them to any business from UIDAI and they will not hold UIDAI or any of its officials accountable on this account. Based on the feasibility of work, UIDAI may recognize QRSSP and identify the best features among all.

5. Tentative Timelines

S.no.	Milestone	Timeline
1	Publish UIDAI’s invitation seeking EOI	31 st May, 2018
2	Last date for seeking clarifications by QR Code Scanner Solution Provider	6 th June, 2018
3	Last date for submission of responses by QR Code Scanner Solution Provider	20 th June, 2018
4	Short listing and communicating to the QR Code Scanner Solution Provider	25 th June, 2018
5	Demo & POC	TBD

6. Response Template for solutions supporting QR Code Scanner Solution

S. No.	Parameter	Comments
1	Name of the Organization	
2	Contact Person's Name	
3	Contact Person's Address and Contact details (Phone & Official Email)	
4	Are you willing to participate in the Proof of Concept studies by submitting following items? i) QR Code Scanner Models with Usage and features ii) Demo Presentation using UIDAI's QR Reader application QRSSP should also provide the necessary technical support, whether offline or online wherever required	
5	Mention the experience in related field (years) and relevant project(s).	
6	Signature of Authorised Signatory of QRSSP is required on each page of EOI. By signing this EOI it will be assumed that QRSSP is agreed to the disclaimer <i>(on page 5)</i> .	<Signature of Authorised Signatory of TSP>

Contact Details (To send responses)

To send responses, QRSSPs shall submit the softcopy (email) and hardcopy of their application(s) in below mentioned contact details:

- 1) To send the application in softcopy:
 - a. **Ms Deepali Sharma,**
Assistant Director General, UIDAI-HQ
Email ID – Deepali.Sharma@uidai.net.in
 - b. **Shri Biswajeet Patnaik**

Deputy Director, UIDAI-HQ

Email ID – biswajeet.patnaik@uidai.net.in

c. **Shri Abhyuday Sharma**

Manager-Logistics, UIDAI-HQ

Email ID – abhyuday.sharma@uidai.net.in

2) To send the application in hardcopy:

Ms Deepali Sharma

Assistant Director General,

UIDAI HQ, 6th Floor, Bangla Sahib Road,

Behind Kali Mandir, Gole Market,

New Delhi - 110001

Email ID – Deepali.Sharma@uidai.net.in