

Government of the People's Republic of Bangladesh  
Bangladesh Bureau of Statistics  
**Sustainable Agriculture Statistics (SAS) Project**  
Parishankhyan Bhaban (6<sup>th</sup> Floor, Block: 1), E-27/A, Agargaon, Dhaka-1207  
[www.bbs.gov.bd](http://www.bbs.gov.bd)

**REQUEST FOR EXPRESSION OF INTEREST (EOI) (NATIONAL FIRM)**

1.	Ministry/Division	Ministry of Planning
2.	Division	Statistics and Informatics Division
3.	Agency	Bangladesh Bureau of Statistics (BBS)
4.	Procuring Entity Name	Project Director, Sustainable Agriculture Statistics (SAS) Project, BBS
5.	Procuring Entity District	Dhaka
6.	Expression of Interest for	Development of Mobile Application (CAPI System) and Web Application for Data Collection, Supervision & Monitoring, Data Management System Development, Data Processing, Data Analysis and Reporting of three surveys under Sustainable Agriculture Statistics (SAS) Project.
7.	EOI Selection of	Consulting (Consultation) Firm for Development of Mobile App, Web Application and related services for Sustainable Agriculture Statistics (SAS) Project and relevant supply services.
8.	EOI Ref. No.	52.01.0000.300.07.013.24.450
9.	Date	13 June 2024
10.	Procurement Method	Quality and Cost Based Selection (QCBS).
11.	Budget and Sources of Fund	Development Budget, Government of Bangladesh (GoB).
12.	Project code	224386200
13.	Project Name	Sustainable Agriculture Statistics (SAS) Project
14.	EOI closing date and time	EOI to be submitted by 1:00 pm of 30 June, 2024 to the Project Director, Sustainable Agriculture Statistics (SAS) Project, Parishankhyan Bhaban, 6th floor, Block-1, E-27/A, Agargaon, Dhaka-1207 in sealed envelope with marked 'Expression of Interest'.
15.	Mobile Application (CAPI System) and Web Application for Sustainable Agriculture Statistics (SAS) Project:	<p><b>1. Mobile Application (CAPI System):</b></p> <ol style="list-style-type: none"> <li>Develop Android Mobile Application (CAPI System) for Data Collection, Supervision and Monitoring for Survey using RDBMS.</li> <li>The mobile application interface should be user friendly. Must adhere to platform specific UI standards.</li> <li>The mobile Application should have a login facility. Based on the logged in user's permission, Application components will be available to the user.</li> <li>The mobile Applications must have access control and be protected by user id and password.</li> <li>Data Collectors will capture the GPS location of each enumerated household using the Application.</li> <li>Data Collectors will receive the particular Questionnaire form into his/her TAB using the applications.</li> <li>Data Collectors can collect data both in online and offline with the facility of sending offline data when the TAB in online.</li> <li>Data Collectors can review collected forms in offline mode and if required, edit/ update the collected data.</li> <li>There should be skipping options for some questionnaires and also mandatory fill-up features for some questionnaires.</li> <li>Inter-question validation must be ensured and added question panel for adding a set of questions.</li> <li>The questionnaire will be displayed by modules in the application which must be displayed on the screen one by one/ chronologically with swapping and navigation features.</li> <li>The backend should be Web/mobile Applications (up-to-date version) for managing, monitoring and decision-making for survey data.</li> <li>The data collection panel should show the progress of filling up the questionnaire during data collection.</li> <li>Intelligent dashboard must be in the application for different level of users with some graphical and different features of smart analysis.</li> <li>Once the data collection from each household is fully completed, the data will be stored in encrypted format in the TAB and after confirmation, a copy of that will be sent to the server.</li> <li>The mobile application should support diverse types of household questions like image, short/ long text, Geo-location (GPS enabled with latitude/longitude) numerical, multiple choice including provisions for mandatory or optional question, and so on.</li> <li>There should be an option to synchronize CAPI data with the server-based web application on the availability of the internet connectivity.</li> <li>The application should have an internal notification system to send and receive notification from Project Office.</li> </ol> <p><b>2. Web Application:</b></p> <ol style="list-style-type: none"> <li>Develop Web (Browser) Application for Data Collection, Supervision &amp; Monitoring, Data Management, Data Processing and Reporting of Surveys.</li> <li>The interface should be user friendly with easy to access dashboard.</li> <li>Application should be lightweight and rich client-side scripting.</li> <li>Any web interface of this application should be fully responsive.</li> <li>The Application should be centralized, web-based solution and support cross browser platform (Chrome, Internet Explorer/ Microsoft Edge, Firefox, Opera etc.).</li> <li>Front-end development tool should be open source to avoid any license purchase and Back-end central database should be Oracle or SQL Server.</li> <li>Must have role-based user authentication and central user access control system to multilevel user creation and privilege set-up options by system admin.</li> <li>Must have intelligent dashboard for different level of users with some graphical and different features of smart analysis.</li> <li>Must have option for user registration and geo-code management and must have data analysis functionality.</li> <li>Monitoring facilities of data collection with the multiple supervision levels.</li> <li>Different types of data table, related dynamic charts and information will be displayed with download facilities in the supervision dashboard according to the requirements of Authority.</li> <li>Generate real-time progressive data collection report (e.g. data collector wise report, date/ month/ year wise report, error wise report, area wise collection report, complete/ incomplete report etc.) via map and grid-based view etc.</li> <li>Features to review detail report from the Map against a specific data collector for a specific area.</li> <li>Detect fraudulent data from the map by reviewing data set's GPS coordinates.</li> <li>Data export and download facility from the system.</li> <li>Internal notification system to send notification to specific/ all data collectors and receive notification.</li> <li>Supervisory levels can monitor surveys data and will also be able to give feedback so that the data collector can update.</li> <li>Application should have fraudulent data finding feature.</li> <li>Application should have data edit feature with data validation logic same as mobile application.</li> <li>Any other development requirements of web application according to the project authority for the successful implementation of the project.</li> </ol> <p><b>3. Administrative Features and Dashboard:</b></p> <ol style="list-style-type: none"> <li>The Administrator can check the data sent to the server by users, can control, create, edit or delete users of the application and their access, can generate and view data collection report etc.</li> <li>Supervising and monitoring level users should be incorporated to oversee the submitted data within their jurisdiction.</li> </ol> <p><b>4. Compatibility:</b> Both the applications must be compatible with the independent platform.</p> <p><b>5. Type of Data:</b> The applications must be able to collect multiple type of data, like-single choice; multiple choice; geo location; image; normal text; live date and time etc.</p> <p><b>6. Qualifications &amp; Experience:</b></p> <ol style="list-style-type: none"> <li>The service provider should have legal entity (Updated Trade License, VAT, Tax Clearance Certificate) for working in Bangladesh for at least 10 years.</li> <li>Must have minimum 05 (Five) years' sound experiences in development and management of mobile application in the local context.</li> <li>Must have minimum 05 (Five) years' sound experiences in development and management of web-based applications integrated with Oracle/ SQL Server/ MySQL database in the local context.</li> <li>Must have proven experience in delivering at least 05 (five) similar type of system development for statistical survey data collection for Bangladesh Govt. with a completion certificate.</li> <li>Must be experienced of successful implementation of the system to rollout at least 05 (five) nation-wide statistical survey data collection project including Bangladesh Government/ autonomous body with a completion certificate.</li> <li>Must have proven training providing experience in 64 districts at a time with skilled IT professional with any Government Organization.</li> <li>Must have a pool of domain experts capable in design and develop a secure and standardize Web Application and CAPI system as well as data backup, restore and access security control management.</li> <li>Must have liquidity asset/ credit line certificate for at least TK 50 (fifty) lac.</li> <li>Work Completion Certificate of at least 1 (one) project of minimum amount of BDT 1.00 Crore (taka one crore) with Government within last two years.</li> <li>Must be a Member of Bangladesh Association of Software and Information Services (BASIS).</li> <li>Must have Audit report for the last 03 (Three) years by a renowned chartered firm.</li> </ol>
16.	Confidentiality	1. Service Provider shall maintain confidentiality of the data captured by the information system and shall not share the same with anyone for any purpose without explicit request from competent BBS authority. 2. Non-disclosure Agreement: The Parties shall conclude a mutual non-disclosure agreement (NDA) in order to determine the details of confidentiality obligations.
17.	Type of contract	The consulting firm will be selected by using the standard document of complex lump sum contract issued by CPTU of planning Ministry of GoB. It is expected that the services will be required upto November 2026 (aprox).
18.	Name of Official Inviting EOI	Mr. Muhammad Rafiqul Islam
19.	Designation of Official inviting EOI	Project Director
20.	Address of the Official Inviting EOI	Sustainable Agriculture Statistics (SAS) Project, Bangladesh Bureau of Statistics, Parishankhyan Bhaban (Level-6, Block-1), E27/A Agargaon, Sher-e-Bangla Nagar, Dhaka-1207.
21.	Contact details of Official Inviting EOI	Telephone: +880255007045; e-mail: rafiqbbs30@gmail.com
22.	Information is available at	<a href="http://www.bbs.gov.bd">www.bbs.gov.bd</a>

Interested firms are invited to submit their EOI indicating that they are qualified to perform the services, details of experiences and required qualifications stated above. The procuring entity reserves the right to accept or reject any or all of the EOIs without showing any cause.

  
Muhammad Rafiqul Islam  
Project Director