

ARIAS SOCIETY

Assam Rural Infrastructure and Agricultural Services Society

(An Autonomous Body of Govt. of Assam)

Project Coordination Unit (PCU) of the World Bank Financed

Assam Agribusiness and Rural Transformation Project

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Draft Indicative Terms of Reference (ToR) **Mobile App Developer (Sr. MAD)**

(A) BACKGROUND AND OBJECTIVES OF THE PROJECT

1. The Government of Assam (GoA) through Government of India (GoI) has applied for a loan from the World Bank for the Assam Agribusiness and Rural Transformation Project (APART). The Assam Rural Infrastructure and Agricultural Services (ARIAS) Society is the apex coordinating and monitoring agency at state level for the Project. ARIAS Society now intends to apply a portion of this loan for hiring a **Mobile App Developer** on contractual basis to be positioned at Project Coordination Unit (PCU) of ARIAS Society.
2. The development objective of APART is “**add value and improve resilience in selected agricultural value chains, focusing on smallholder farmers and agro-entrepreneurs in targeted districts of the State of Assam**”.
3. There are four components to the APART. **The first component is Enabling Agri Enterprise Development**, with sub components being (i) enhancing state capacity to attract private investments, (ii) Setting up an Agribusiness Enterprise Development and Promotion Facility (EDPF) (iii) Agribusiness Investment Fund (AIF) support (iv) establishing sector stewardship councils. **The second component is Facilitating Agro Cluster Development** with subcomponents being- (i) support establishment of cluster level Industry Associations (IAs), (ii) supply chain support. **The third component is Fostering Market Led Production and Resilience Enhancement** with sub components being (i) promoting climate resilient technologies and their adoption (ii) facilitating market linkages through market intelligence and product aggregation (iii) facilitating access to and responsible use of financial services. **The fourth component is project Management, Monitoring and Learning**.
4. The project will achieve the PDO by: (i) promoting investments in agri-enterprises, reducing the business and transaction costs, facilitating access to finance for agribusiness entrepreneurs, and, where appropriate, push for process, regulatory and/or policy change; (ii) supporting the development of a modern agri supply chain; improved information communication technologies (ICT) based farm information and intelligence services, and alternative marketing channels; and (iii) improving producers’ access to knowledge, technologies and infrastructure so that they are better able to respond to market opportunities and climate variability.

(B) OBJECTIVES OF THE ASSIGNMENT AND SCOPE

5. The **Mobile App Developer** would be part of the IT team in the MIS Unit of the ARIAS Society and will be involved in the development and testing of the mobile applications. The scope of the position includes contributing towards development of various mobile applications and integration of various systems running under web application, with inputs from the M&E Specialist *inter alia* for monitoring and evaluation of APART, and its regular maintenance. The **Mobile App Developer** will have to ensure seamless connectivity at all times through the System Administrator and any IT related issues of the system users will have to be resolved expeditiously. The **Mobile App Developer** would also manage security administration activities for IT systems.
6. **Key job responsibilities include:**
 - a) **Mobile App Developer** would be instrumental in developing Mobile app for the project (on an open source platform) integrating the activities at the State level as well as District & Block levels;
 - b) Training the project staff or others users (Govt. Stakeholders) in the use of Application so developed;
 - c) Trouble shooting to ensure smooth implementation of the Android Application. Identify, resolve/rectify issues relating to flow blockades, user interface issues, networking problem and security concerns.

- d) Ensure that the reporting, communication, financial and procurement systems of the project are embedded into the MIS system of the project;
- e) Integration in Mobile app of web-based HR management for ARIAS Society, pay roll, leave & related aspects module linked to a biometric attendance system etc.
- f) Provide clarifications to stakeholders on project related IT issues as needed;
- g) Maintain source-code used in Mobile App editions.
- h) Ensure regular updating of the Developed Mobile Apps.
- i) Ensuring seamless communication within the project team and project partners through the project IT infrastructure.
- j) Resolves technical issues through debugging, research, and investigation
- k) Adept with the tools, applications, and processes used for mobile app development.
- l) Implements solutions as designed in technical documentation specification and coding standards.
- m) Plan and execute all deployment of system features and monitor for successful integration, maintaining the system throughout its lifecycle
- n) Perform system design and specification development, program logic and flow-charting, testing, debugging, and documentation, although specific skill requirements could vary based on the type of development being performed.
- o) Works within established procedures to develop, test, implement, and maintain application software.
- p) Provides subject matter expertise in performance monitoring, tuning, analysis, and diagnostics.
- q) Experienced in creating Performance Engineering strategies, assessing and defining Non Functional Requirements, Designing Workload Models by analyzing production statistics.
- r) Good client interaction and communication skills.

(C) QUALIFICATIONS, EXPERIENCE, AGE ETC

- 6. **Educational Qualification:** BE/B.Tech/Master degree in Computer Science/Computer Applications/Information Technology from any Govt. recognized University/Institutions.
- 7. **Working Experience:** Minimum (Five) 5 years of work experience in Developing Android Application of a reputed public/private sector agency in a leadership/ managerial capacity.
- 8. **Computer Skills:** The **Mobile App Developer** must be highly proficient in Java, XML, Android Interactivity, Android UI, Navigation, API development etc.
- 9. **Development Skills:** Must have working experience in API integration with PHP & Java MVC Framework such as Laravel, Symfony, Codeigniter, Struts etc. along with Database Skills (MySQL, Postgres or NoSQL)
- 10. **Language:** High level of fluency in English and Hindi.
- 11. **Desirable Qualifications, Experience, Skills etc:**
 - a. Experience of working in complex, multi stakeholder, fast moving environment and ability to work under pressure, respecting strict deadlines and multi-tasking
 - b. Knowledge of Assamese and/or Bengali
 - c. Good social, analytical, inter-personal and planning skills
 - d. Self-motivated and possessing ability to work independently as well as in teams.
- 12. **Age:** Age of the candidate should not be more than 40 years as on 1st November, 2021.

(D) DURATION OF CONTRACT, NOTICE PERIOD ETC.

- 13. The tenure of **Mobile App Developer** is intended for entire duration of the project and co-terminus with the project period of APART. However, continuity of the **Mobile App Developer** beyond eleven (11) months from the date of signing the agreement will depend upon his/her performance. The decision of the SPD will be final and binding in this regard. The contract Management shall be as per the HR Policy of the ARIAS Society.
- 14. The contract with **Mobile App Developer** may be terminated by either side at any point of time during the contractual period by serving a 30 days' notice without assigning any reason and without thereby incurring

any liability to the Govt. of Assam/ PCU/ ARIAS Society. The assignment is purely contractual in nature and shall not, under any circumstance, be extended beyond the APART's closing date. The ARIAS Society or the Government of Assam shall not undertake any responsibility for subsequent deployment of the consultant.

15. The **Mobile App Developer** shall not assign or sub-contract, *in whole or in part*, his obligations to perform under this Contract, except with the SPD's prior written consent. The **Mobile App Developer** will have to serve the ARIAS Society on full time basis under overall command of State Project Director, ARIAS Society and provide services from the PCU at Khanapara, Guwahati. The resignation/termination shall be as per HR Policy of the ARIAS Society.
16. The **Android Developer** may be required to undertake field-visits and tours as per the project requirements, with prior approval of the SPD.

(E) REMUNERATION, PAYMENT TERMS AND LEAVE

17. Depending on the qualifications, experience, competency, and also the remuneration/pay package of the last assignment, the consolidated fixed monthly remuneration of the **Mobile App Developer** will be determined and mutually agreed, which could be in the range of **Rs. 6.60 lakh to Rs. 7.20 lakh per year**. This annual rate shall be inclusive of all taxes, health/service related insurance, all allowances, cost of accommodation and food at Guwahati, conveyance to attend the office etc. Taxes as applicable shall be dealt with as per applicable laws. The remuneration will be enhanced on an annual basis, based on the HR Policy of the ARIAS Society. ******The maximum Cost to Project (CTP) mentioned above is just an indicative range and a selected candidate will be offered remuneration based on (i) around 20% (max) hike on the last drawn remuneration and (ii) performance in the interview.**
18. Travelling, Boarding & Lodging expenses for approved official tours outside Guwahati will be reimbursed as per HR Policy of ARIAS Society.
19. The provisions of leave would be as per HR Policy of ARIAS Society.
20. No house rent allowance or any other allowance shall be paid by the PCU. No other payment whatsoever (except reimbursement of official travelling expenses) shall be paid, except as agreed with the **Mobile App Developer** by the SPD, ARIAS Society.

(F) REPORTING AND PERFORMANCE REVIEW

21. The **Mobile App Developer** will report to the MIS Specialist, under the overall guidance of the State Project Director (SPD), ARIAS Society.

(G) FACILITIES TO BE PROVIDED BY THE PCU

22. Access to all the required documents, correspondence, and any other information associated with the project and as deemed necessary. The **Mobile App Developer** will be provided with one office cubicle/workstation in the PCU along with computer, printer, computer/office consumables, and internet access. *The **Mobile App Developer** however will not be provided with any clerical assistance.*

Note: This is a draft ToR and SPD, ARIAS Society reserves the right to change, update or modify this ToR at any stage till recruitment process is completed.