

ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION

(University under Sec. 3 of UGC Act, 1956)

Indian Council of Agricultural Research,

PanchMarg, Off Yari Road, Versova, Andheri (West), Mumbai-400061

Tel. No. 022-26361446/7/8

Fax No. 022-26361573

Web Site: www.cife.edu.in



QUOTATION DOCUMENT



RE- QUOTATIONS FOR MOBILE APP SOFTWARE

UNDER

National Agricultural Higher Education Project



ICAR - CENTRAL INSTITUTE OF FISHERIES EDUCATION
(University under Sec. 3 of UGC Act, 1956)

Indian Council of Agricultural Research

PanchMarg, Off Yari Road, Versova, Andheri (West), Mumbai-400061
Tel. No. 022-26361446/7/8, Fax No. 022-26361573 Web Site : ww67w.cife.edu.in



F. No.36-67/Master file/18-19/NAHEP-PROJ.

Date: 27.02.2019

The Director, ICAR-Central Institute of Fisheries Education, Ministry of Agriculture and Farmers' Welfare, Government of India, invites most competitive quotations in sealed envelope under National Agricultural Higher Education Project "NAHEP" for the mobile app software from the reputed Indian/Foreign companies and/or their accredited/sole authorized distributors/dealers-

Item No. as per the document	Particular	QTY
22	Mobile App software (Delivery at HQ CIFE, NEW CAMPUS)	1

TERMS & CONDITIONS OF QUOTATIONS

1. The approximate estimated value of the Mobile App software is Rs. 6,00,000. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
2. Quotations must be submitted in the original prescribed form separately for each equipment with rates for delivery in the places mentioned in the document duly addressed to the Director, ICAR-CIFE, Mumbai-400061 in a sealed cover super scribing as QUOTATION FOR EQUIPMENT FOR THE YEAR 2018-2019 UNDER **NATIONAL AGRICULTURAL HIGHER EDUCATION PROJECT (NAHEP)** with the Item no. and Name of equipment.
3. All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
4. In case the date of issued/receipt of opening of quotation is declared as Holiday for unexpected reasons, the quotation will be issued /received/opened on the next working day at the same time. The quotation documents are non-transferable. Director of the institute reserves the right to accept/reject any or all the quotations without assigning any reason thereof.
5. Quotations received **after the DUE DATE and TIME** will not be accepted in any circumstances.
6. Prices for extended warranty for one year and two years should be given separately. However decision about the warranty will be taken by purchaser at later stage.
7. No EMD and Tender fee are applicable.
8. The schedule to the quotation form should be submitted in prescribed format only.
9. Only one quotation should be included in one cover. Where more than one quotation is included in a cover, all quotation so enclosed in one cover will be liable to be ignored.

10. LATEST HOUR FOR RECEIPT OF QUOTATION

Unless otherwise specified in the schedule to quotation, your quotation must reach this office not later than 13.00 hrs. on the date of opening of the quotation. Quotation sent by hand delivery should be put in the quotation box kept in **NAHEP Office, 2nd floor, Room no. 225** located at Yari Road Campus of ICAR-CIFE, not later than 13.00 hrs. on the due date unless otherwise stipulated in the schedule to tender.

11. OPENING OF QUOTATION:

You are at liberty to be present or authorize a representative to be present at the time of opening of the quotation at the time and date as specified in the schedule. The name and address of the representative who would be attending the opening of the quotation on your behalf, should be indicated in your quotation. Please also state the name and address of your permanent representative, if any.

For and on behalf of

**ICAR-Central Institute of Fisheries Education
PanchMarg, Off Yari Road, Versova ,
Andheri (West), Mumbai-400061**

Signature



ICAR - CENTRAL INSTITUTE OF FISHERIES EDUCATION

(University under Sec. 3 of UGC Act, 1956)

Indian Council of Agricultural Research

PanchMarg, Off Yari Road, Versova, Andheri (West), Mumbai-400061

Tel. No. 022-26361446/7/8, Fax No. 022-26361573 Web Site :www.cife.edu.in



F. No.36-67/Master file/18-19/NAHEP-PROJ.

Date: 27.02.2019

1. Issue of Quotation Document on	27.02.2019
2. Last date for issue of tender document on	06.03.2019
4. Acceptance of sealed tenders 13.00 hrs on	06.03.2019
5. Opening of tender at 15.00 hrs on	06.03.2019

Name of the equipment: _____

Item No. : _____

QUOTATIONS FORM HAS TO BE SUBMITTED SEPARATELY IN SEALED ENVELOPES

To,

M/s.

.....

Sub: Supply of Quotation Form - reg.

Dear Sir,

Please find enclosed herewith the quotation form along with detailed specifications for the supply of equipments mentioned in Annexure- 1.

Kindly acknowledge the receipt of the same.

Yours faithfully

Senior Administrative Officer

ICAR - CENTRAL INSTITUTE OF FISHERIES EDUCATION



(University under Sec. 3 of UGC Act, 1956)
 Indian Council of Agricultural Research
 PanchMarg, Off Yari Road, Versova, Andheri (West), Mumbai-400061
 Tel. No. 022-26361446/7/8, Fax No. 022-26361573 Web Site : www.cife.edu.in



F. No.36-67/Master file/18-19/NAHEP-PROJ.

Date: 27.02.2019

(To be returned by Bidders along with the quotation duly completed and signed)

Name of Equipment: _____

Item No. : _____

Sl. No.	Description of Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
	Please refer Annexure - 1	* **	*	*	*		
Tota							
I							

Sales Tax

****Prices for extended warranty for one year and two years should be given separately**

Gross total cost _____(in figures) (_____
 _____ (in words).

We agree to supply the above goods in accordance with the technical specifications for a totalcontract price of Rs. _____(amount in figures) (Rs. _____amount in words) within theperiod specified in the Invitation for Quotations .

We also confirm that the normal commercial warrantee/guarantee of _____ months shallapply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on ourbehalf will engage in bribery. We also confirm that the normal commercial warranty/guarantee of _____ months shall apply to the offered goods.

Supplier

Name : _____

Signature : _____

Date : _____

INVITATION FOR QUOTATIONS FOR SUPPLY OF GOODS UNDER NATIONAL SHOPPING PROCEDURES

To

Dear Sir,

Sub :INVITATION FOR QUOTATIONS FOR SUPPLY OF FOLLOWING EQUIPMENTS

1. You are invited to submit your most competitive quotation for the following goods:-

Brief description of the Goods	Specifications*	Quantity	Delivery Period	Place of Delivery	Installation Requirement if any
Mobile app software	PLEASE SEE BELOW	1	30 days	HQ CIFE,NEW CAMPUS	Yes

Annexure - 1

TECHNICAL SPECIFICATION OF ALL EQUIPMENTS:

1. Scope of work

CIFE wishes to develop a dynamic Mobile Application on Shrimp Farming / Aquaculture to help fish/shrimp farmers to take informed decisions by accessing customized information. It would provide advisories on package of practices related to aquaculture in inland saline areas, best practices tips related to aquaculture, fish market prices, weather forecast, and all aquaculture related news and govt. schemes. It has to be available in bilingual formats - English and Hindi and will have texts, photos, audio clips as well as video clips for the convenience of the farmers who are most comfortable in their own language. CIFE would provide the content to be uploaded in the mobile app as well as inputs on aspects of design and user interface as per its requirements.

2. Modules/Features under the Mobile Application

Following is the list of features required in the Mobile App:

- a) Introductory Screen & Home Page
- b) User Registration / Directory
- c) Advisories on Inland Saline Aquaculture
- d) Ask the Experts/Query solving feature/Helpline
- e) Market Price & Info
- f) Updates / News
- g) Weather Info
- h) Search Options
- i) Farm/pond management module
- j) Content Management System
- k) Settings

The section below provides the details of each of the App features / modules mentions above for clarity of scope of the proposed Application development.

a. Introductory Screen & Home Page: Main Screen (Portal logo and Name) will be displayed to end user for few seconds while mobile application starts playing in the backend. Intuitive icons for different features of App and scroll down text/info.

- Dynamically updated recent news, upcoming events in the scroll menu
- Database driven frequently asked questions and recently answered questions.
- Sharing on Social Networking/Sites/WhatsApp/Messages/Chat/SNS
- Vendor will get the design approved before the development of mobile App.

b. User Registration/ Directory: The mobile app will be openly accessible though subscription, but some features may be on chargeable basis. If the user wants to post any queries or interact with portal, the user need to complete registration process. The registration for the mobile app will be displayed only for the first time login. The details of the Users- Name (Mandatory), Date of Birth (Mandatory), Email Id (Automatically), Phone No. (Mandatory), Location (Automatically), Farm area, Species cultured/Activity involved will be captured. User can login using Google /Facebook accounts or Email id.

c. Advisories on Inland Saline Aquaculture

It will consist of species wise technology information modules. The module will have all the basic technology practices right from the pond preparation to the harvesting of shrimp. Options should be made available to embed open source video sharing platforms like YouTube in the static pages. There will be a set of dynamic columns in app. These dynamic features will be controlled by the portal admin. The corresponding web portal will mirror all the features of the mobile App.

Specific and detailed step by step information on how to practice aquaculture in inland saline areas need to be designed and presented in a user friendly interface. Besides, for each of the step, good aquaculture practices (GAPs) along with Dos and Don'ts, images, video clips would need to be uploaded appropriately. This is the core feature and the app should have an intuitive design and highly user friendly interface. Frequently Asked Questions (FAQs): A set of FAQs along with answers should be displayed in a user friendly (touch and drop/ drop down) interface.

d. Ask the Experts/Query solving feature/Helpline: A dedicated query solving option should be a part of the mobile app. With this a registered user can post a query on a specific problem. The interactive feature should be able to capture the photos / videos / text / audio / geographical coordinates. Subject specific query/ the photo of the field level problems will be received in the database and will be forwarded to designated panel of subject expert scientists in the institute. Then the expert provides the technical solution to the issue in the reply. This will also be reflected in the system in real-time basis in the Recently Answered Questions (RAQs) and Frequently Answered Questions (FAQs) section of the system. The app should be able to classify the type of query based on pre-defined criteria and direct the relevant query to identified experts. It should provide contact details of experts, Department of Fisheries and Input Dealers.

e. Market Price & Info: The App should be able to mine the price/ quantity information about fish / shrimp prices in important markets from 2 to 3 pre-determined sources and display the same in the app in a user friendly interface. One can view price trends for the produce and plan sale of the produce. It should also provide info about given set of aqua-inputs suppliers and buyers of shrimp in a user-friendly interface, and have provision for buyer / seller registration with regard to their requirements, quote a price, quantity, size, upload images and provide contact details. The proposed App will not have any financial transaction though App shall be compatible for developing such a feature later.

f. Updates/ News: Information of the aquaculture industry should be able to be scouted/ mined from a given list of online sources/URLs and uploaded on the home screen under a specified headline. This shall be automated at set intervals.

g. Weather Info: It should give instant access to present weather conditions and forecast for next 5 days with temp, RH, cloud cover, rainfall possibility, expected wind speed & its direction. Info is to be taken from the public domain.

h. Search options: The mobile app should be search friendly and seamlessly integrated with all the content in the portal and app.

i. Farm Management module: Through the mobile app, the farmer/user should be able to enter and keep a pond wise record of all farm activities - fish seed stocking, feeding, water quality parameters, disease management, harvesting, etc. in a calendar like interface on a day to day basis. At the back end, both users

& admin should be able to generate report cards for each farm /group of farms for any given time. Ask the experts feature shall work in tandem with this.

j. Content Management System: The Content Management System will be used by the Administrator for managing the content to be displayed in the mobile app. User friendly CMS should be provided with following features: Admin user to be able to create, publish/ unpublish /edit /delete all or some of the content; Admin user should be able to sort data, search data and generate customised reports; CMS should be protected using the HTTPS for secure access to application. The administrator should be able to edit and update the menu titles. The dashboard and report section shall be user-friendly. The admin will be able to manage the push notification to be sent to the active users; also plan and prepare auto sending of notification; and will be able to get feedback/ response thorough the notification shared.

j. Settings: Setting Page End user will have option to share this app with friends, Report bug or request for any feature, Change text size; Info Screen will have About Us, Terms of Use and Privacy Policy about app.; any other feature to make the mobile app more user friendly will be part of the scope of work.

3. Deliverables

- Selected firm is expected to deliver the Android/iOS mobile application on application store (Google Play and Apple) within 30 days of receiving the work order.
- The selected agency will be responsible for developing, hosting and maintaining the applications in secure CIFE Server and third party cloud based server. The selected agency will provide ICAR-CIFE full Access to the application on hosting server.
- The firm has to submit the source and Application Code, Web APIs, Design Documents, User & Admin Manuals, Test Cases, and QA Results for User Acceptance testing, etc.
- For the effective uses of the supplied software/application licenses & their functionalities, the selected agency must compulsorily provide training for ICAR-CIFE team at HQ in Mumbai.

4. Standard Technical Requirements

- To be developed on a hybrid platform so that it can be quickly deployed on both Android 5.0 & above and iOS 10 & above;
- The mobile App need to alert the user to download the latest version, whichever available.
- Display orientation shall be both Portrait and landscape; for Small (426dp x 320dp), Normal (470dp x 320dp), Large (640dp x 480dp), X- Large(960dp x 720dp)
- Mobile App should work in all networks irrespective of mobile device make/ model.
- Web portal that mirrors Mobile App shall work seamlessly in latest versions of Google Chrome, IE/MS-Edge, Mozilla Firefox, etc.
- If required, the mobile apps should access Geolocation information in case the mobile device supports it.
- User should be able to download the correct version of Android mobile application supported by his/her mobile device.
- While developing mobile application, the selected agency should give preference to the NATIVE ENVIRONMENT (e.g.: SDK android development Kit, IOS SDK, Windows SDK). In case of HYBRID APPLICATIONS, open source tools need to be used.

5. Support

- Selected agency should provide standard one-year warranty and additional one year maintenance support (AMC) i.e. March 2021. During this period, correcting bugs, required upgrades and application customization shall be carried out at no cost to ICAR-CIFE. Offline support during 9 am to 6 pm on all working days shall be provided. Important technical glitches shall be addressed within one working day. However, development of any additional features/ modules would be carried out on payment basis.
- App/Portal shall have options to collect feedback from users on various features and overall experience. The firm shall provide/generate the feedback reports like App Installation Report, App working report after feedback from user, App Crash Report after feedback from user, App uninstallation report after feedback from user.
- AMC support can be reviewed and renewed for subsequent period suitably as decided by the mutual consent of both the parties. The successful bidder has to execute Service Level Agreement (SLA) for providing their support and services for the period of the application under the warranty and AMC support.

6. Intellectual Property Rights

- All the Intellectual Property Rights of the application/portal including all programmes those meant for statistical reporting, graphics and content developed will rest with ICAR-CIFE. The selected agency will provide the source code of the application to ICAR-CIFE at the time of sign-off. The firm shall not sell, lease or share the source code of the App to any other entity.
- Handover all the old / latest backup code of the Android mobile application to ICAR-CIFE on a CD/Pen drive/Hard disk.

7. Implementation Timelines

The proposed project is expected to be completed in four week time by the successful bidder. The proposed android mobile application shall be made on live mode within the deadline from the date of issue of the work order to the successful bidder. However, the timeline specified shall be reviewed if required by ICAR-CIFE.

8. Quality Control

The assessment of the quality during application development is essential. It is important to document critical issues quantitatively & qualitatively (response rate, missing data proportions, test reliability through random checks etc.).

9. Essential Requirements of Firms for Participation

- Proven and demonstrated expertise to develop a customized user friendly Mobile Application using the most advanced / recent and versatile technology platforms: should be capable of being deployed in both android and iOS environment
- Experience of having developed a full-fledged / functional mobile application during the last 2 years including design, development, deployment and maintenance/updation. (*Enclose the details of mobile Apps developed including names, URLs, features, clients, application platform, etc. during last 3 years*).
- At least 5 engineers/software development team with relevant qualifications and certifications in regular pay roll currently of the firm, having a minimum two years' work experience (*Enclose the employee*

details along with their qualification and experience).

- Willingness to be physically present for consultations / meetings at ICAR-CIFE, Mumbai during mobile App design and delivery at own expense. (A signed letter to this effect needs to be enclosed along with Proposal)
- The Technical Proposal of the Firm shall consist of the technological platform to be used, few illustrative screenshots of proposed home page and App features, and execution plan along with necessary documents outlined above.
- Criteria for evaluation of technical bids have been specified in the Table 1 below. All the bidders securing Technical Score of 50 or more to be considered as eligible for consideration.

Table 1. Technical Evaluation Criteria:

S. No.	Criteria	Maximum score
1.	<p><u>Experience in similar project:</u></p> <p>Up to 2 Projects :10 Marks</p> <p>More than 2 and up to 5 projects :15 Marks</p> <p>More than 5 projects :20 Marks</p>	20
2.	<p><u>Value of the total Projects in the last three years :</u></p> <p>Upto 25 Lakhs :10 Marks</p> <p>25 to 50 lakhs :15 Marks</p> <p>More than 50 lakhs :20 Marks</p>	20
3.	<p><u>Project Team :</u></p> <p>Team Leader & Resources upto 3 yrs experience : 10 Marks</p> <p>Team Leader & Resources 3 to 5 yrs experience : 15 Marks</p> <p>Team Leader & Resources with >5 yrs experience : 20 Marks</p>	20
4.	<p><u>Technical Proposal</u></p> <ul style="list-style-type: none"> • Quality of completed projects (Mobile App/Web portal developed by the firm in terms of design aesthetics, features, convenience of user interface, etc.) : 20 Marks • Merits of Technical Proposal including nature of proposed solution, execution strategy, Project Plan, etc. : 20 Marks 	40

*Documentary proof must be submitted in support of all the necessary technical criteria. Tenderer shall take in to account all costs including taxes for quoting the rates. In this regard no claim for any extra payment for any reason shall be entertained.

Address of Delivery location:

ICAR-Central Institute of Fisheries Education (New Campus),PanchMarg,Off YariRoad, Versova,Andheri(West), Mumbai-400061