

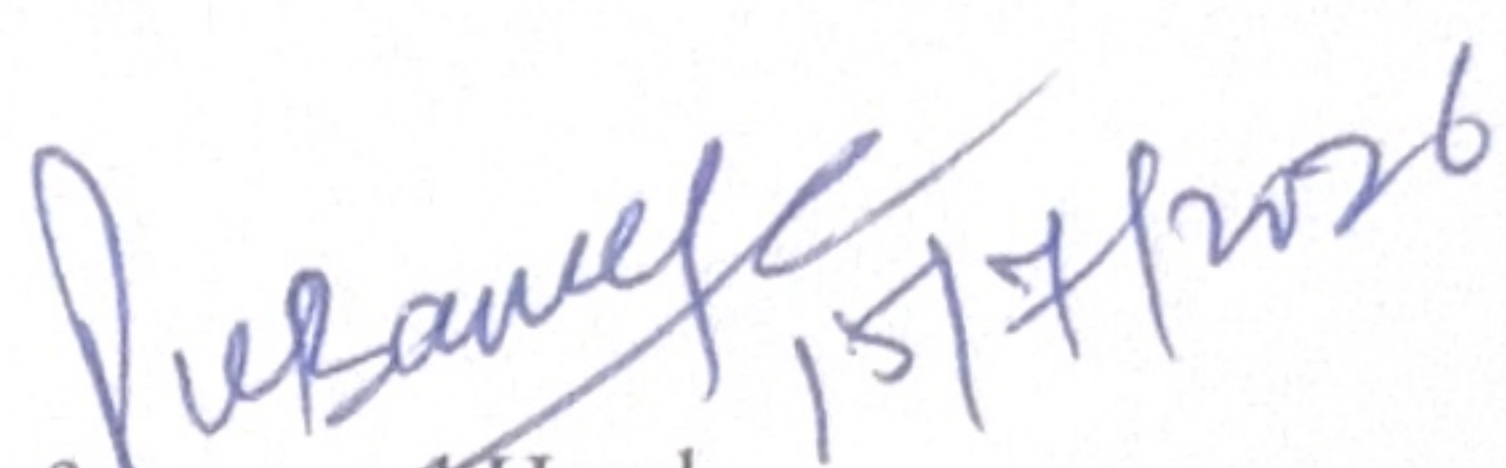
DEPARTMENT OF ENVIRONMENTAL SCIENCE
COLLEGE OF FORESTRY
DR. Y.S. PARMAR UNIVERSITY OF HORTICULTURE AND FORESTRY, NAUNI-SOLAN

No. UHF/EVS/2026/-Quo/- 688

Dated : 15/07/2026

EXPRESSION OF INTEREST (EOI)

Expression of Interest (Eol) with Technical and financial proposals (in prescribed formats) are invited from reputed firms for Designing, Developing and Deploying of "Krishi Advise Platform". The last date for receipt of E01 is 31.07.2026 (11 AM).


Professor and Head

Department of Environmental Science
Dr YS Parmar University of Horticulture & Forestry,
Nauni, Solan (HP) 173230 (India)

Expression of Interest (Eol)

"Designing, Developing and Deployment of Mobile App "Krishi Advise"
Dr. Yashwant Singh Parmar University of Horticulture and Forestry"

Please send/submit separate Annexure-I (Technical Bid) and Annexure-2 (Financial Bid) in two separate envelopes along with relevant documents

Last Date & Time for Receipt of Eol Documents	31 st July, 2026 (11 FN)
Date and Time of opening of technical bids	31 st July, 2026 (2 PM)
Place of opening of NIQ	Professor and Head Department of Environment Science College of Forestry, Dr Y S Parmar University of Horticulture
Presentation of the Firm if any	31 st July, 2026 3 PM
Date and Time of opening Financial bids	31 st July, 2026 at 4 PM

Dr. Yashwant Singh Parmar University of Horticulture and Forestry
Nauni Solan, 173230, H.P.

Expression of interest (Eoi)

Designing, Developing and Deployment of Mobile App "Krishi Advise"
Dr. Yashwant Singh Parmar University of Horticulture and Forestry"

Department of Environment Sciences, College of Forestry, Yashwant Singh Parmar University of Horticulture and Forestry, invites Expression of Interest (Eoi) to Designing, Developing and Deployment of Mobile app "Krishi Advice" as per the latest standards. You are requested to submit a proposal as per the brief contain in table of reference.

Please send/submit only Annexure-I (Technical Bid) and Annexure-2 (Financial Bid) in two separate envelop along with relevant document. Please write prominently on the envelope the subject i.e. EOI for Website.

Your offer comprising of creative, technical proposal and financial proposal, in separate sealed Envelopes, should reach the following address not later than 31st July, 2026 at 11 AM to the Professor and Head Department of Environmental Science. EOI received after due date and time will not be entertained.

Eligibility Criteria:

- The agency/firm should have minimum three (3) years of experience of Mobile app development.
- The agency/firm should have experience of working on cross platforms and must have experience of Developing, Developing and Deployment of Mobile app for at least 3 government/private clients Completion certificate/purchasers contact details to be submitted as proof.
- The firm should have turnover of more than Rs Twenty lakhs during last five years.

Competencies:

- Past experience in creating and maintaining very professionally and exceptionally creative Mobile apps and online solutions.
- Excellent IT skills and project management skills.
- Ability to respond quickly to the maintenance requirement in the post commissioning phase.

- Awareness on the latest smart technologies for Mobile app development and online solutions.
- Ability to regularly maintain, update the developed Mobile apps/website and online solutions.

Essential knowledge and experience:

- Good information technology skills, with previous experience of Mobile app/website designing, developing, hosting and maintenance, management, editing and online solutions.
- Expertise with React Native (Android & iOS), Laravel (PHP 8.x), MySQL, REST/JSON Apis, Firebase Cloud Messaging, Linux, Nginx/ Apache and content-management systems and latest trends and technology in Mobile app/website content and social media.
- Strong analytical and research skills, including the ability to analyse audiences, attitudes, communications products, messages and to translate them into the design and implementation of effective websites and online solutions.

Following tasks and deliverables are expected to be carried out/undertaken by the vendor for Designing, Developing and Deployment of Mobile app “Krishi Advice” as per the latest standards

PROJECT OBJECTIVES

- Provide real-time weather forecasts.
- Recommend suitable crops based on location and season.
- Calculate and monitor GDD and AGDD.
- Monitor THI to identify heat stress conditions.
- Calculate FWI to assess wildfire and crop residue burning risks.
- Track crop growth stages.
- Generate intelligent weather-based recommendations.
- Send timely notifications and alerts.
- Improve crop productivity while reducing environmental risks.

MOBILE APPLICATION FEATURES

User Registration: Mobile/Email Login, User Profile.

Dashboard: Current Weather, Temperature, Humidity, Wind Speed, Rainfall Forecast, Daily GDD, AGDD Status, THI Status, FWI Status, Advisory Summary and Alerts.

Location: Country, State, District, City/Village and GPS Support.

Weather Module: Current Weather, 7-Day Forecast, Hourly forecast, Rain Probability, Temperature Trend, Wind Speed, Humidity and Rainfall Analysis.

Crop Module: Crop Categories, Crop Information, Crop Calendar, Growth Stages, Images and **Crop Management Practices.**

Advisory Module: Irrigation Advice, Fertilizer Recommendation, Disease Alerts, Pest Alerts, Harvest Recommendation, Seasonal & Climate-Based Advisory.

ENVIRONMENTAL INDICES MODULE

- AGDD (Accumulated Growing Degree Days)
- Daily GDD Calculation
- Accumulated GDD (AGDD)
- Crop-wise Base Temperature
- Growth Stage & Maturity Prediction
- AGDD Progress Charts
- Irrigation & Fertilizer Recommendations

THI (TEMPERATURE-HUMIDITY INDEX)

- Automatic THI Calculation
- Heat Stress Monitoring
- Crop & Livestock Heat Stress Advisory
- Daily Dashboard
- Weekly/Monthly Trends
- High Temperature Alerts
- Environmental Comfort Index
- Historical Reports

FWI (FIRE WEATHER INDEX)

- Automatic FWI Calculation
- Daily Fire Risk Monitoring
- Fire Danger Classification
- Forest Fire Alerts
- Crop Residue Burning Advisory
- Fire Hazard Analysis
- Early Warning Notifications
- Historical Fire Risk Reports
- Fire Risk Trend Charts

CLIMATE INTELLIGENCE DASHBOARD

- Interactive dashboard displaying:
- Weather Conditions
- Temperature
- Relative Humidity
- Wind Speed
- Rainfall
- Daily GDD
- AGDD
- THI

- FWI
- Crop Growth Stage
- Crop Stress Indicator
- Fire Risk Indicator
- Historical Weather Trends
- Interactive Charts & Reports

SCOPE OF WORK

- React Native Mobile Application (Android & iOS)
- Laravel Web Admin Portal
- REST API Development
- MySQL Database Design
- Weather API Integration
- Crop Repository & Advisory
- Notification & Feedback Modules
- Testing, Deployment, Documentation and Training

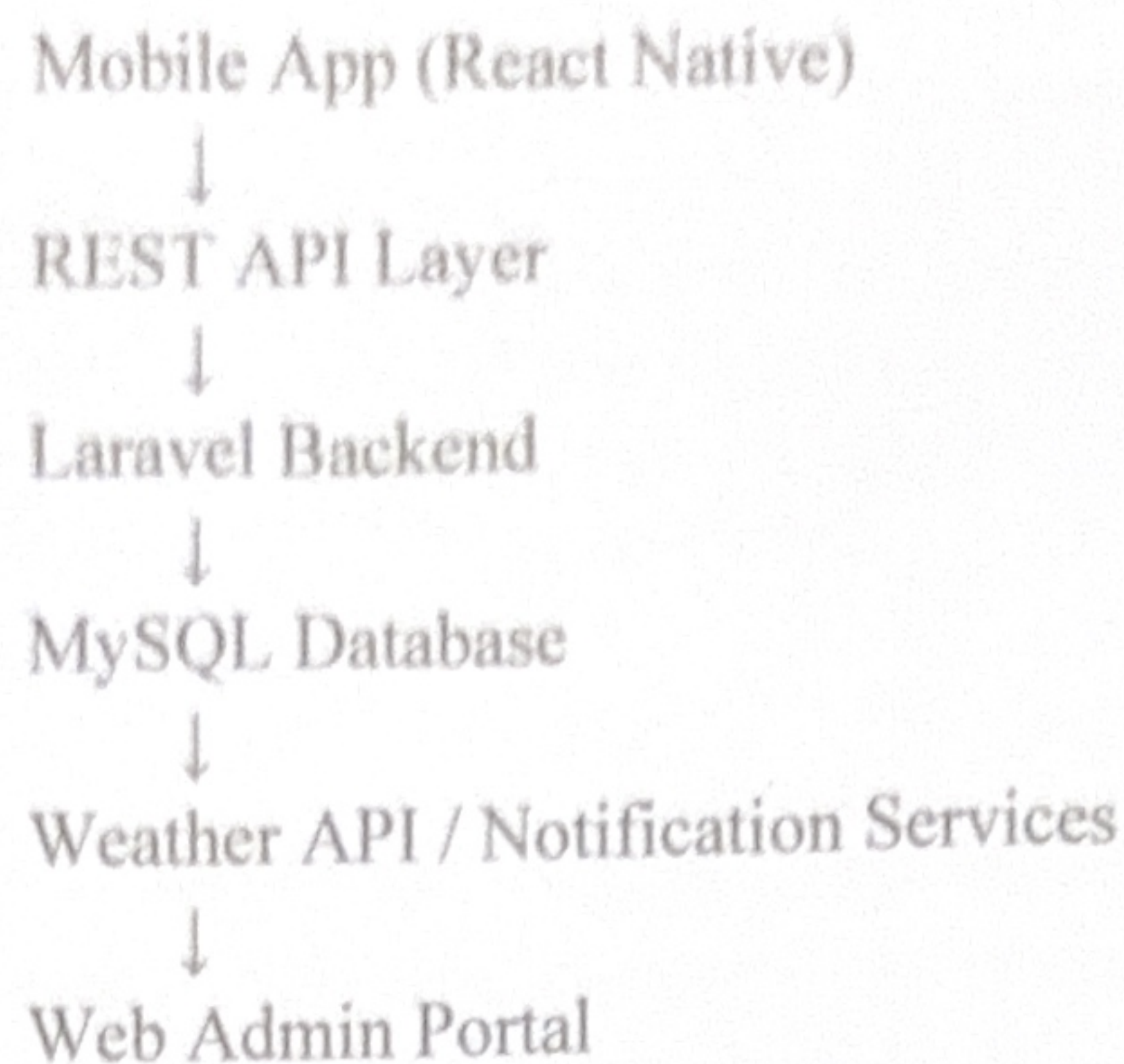
PROPOSED TECHNOLOGY STACK

Component	:	Technology
Mobile App	:	React Native (Android & iOS)
Backend	:	Laravel (PHP 8.x)
API	:	REST / JSON APIs
Notifications	:	Firebase Cloud Messaging
Hosting	:	Linux, Nginx / Apache

FUNCTIONAL MODULES

- Home Dashboard & Weather
- Crop Repository
- Crop Details
- Impact-based Advisory
- GDD & AGDD Calculators
- Feedback System
- Admin CMS
- User & Role Management
- Reports & Analytics

ARCHITECTURE OVERVIEW



DELIVERABLES

- Android App APK
- iOS App Source Code
- Laravel Admin Portal
- REST API Source Code
- Database Schema
- Technical Documentation
- Deployment Guide
- Training & Support

TECHNICAL SUPPORT & MAINTENANCE:

- 1) Support and maintenance to be provided annually for One year which includes bugs/troubleshooting and other issues.
- 2) Backup system for a full App backup.
- 3) Training to University IT personnel to carry out regular updating of Mobile app.
- 4) Setting up of the upgraded/redesigned website hosting on university servers.
- 5) 24x7 Online support

Evaluation and comparison of proposals:

A two-stage procedure is utilized in evaluating the proposals, with evaluation of the technical proposal being completed prior to any finance/budget proposal being opened and compared. The finance/budget proposal of the proposals will be opened only for submissions that passed the technical score. The technical proposal is evaluated on the basis of its responsiveness to the Terms of Reference. In the Second Stage, the finance/budget proposal of all organizations, which have qualified in technical evaluation, will be compared.

Criteria for evaluation:

This evaluation process consists of 2 stages. Only those companies, that have passed the first technical evaluation stage, will be considered for financial evaluation. During the first stage participants' technical proposals are examined against the following evaluation criteria:

Sl. No.	Evaluation Criterion
1.	Background and Registration of organization
2.	Past experience of handling similar govt/private assignments
3.	Turn over for the past 3 years of Proprietor/Firm.
4	Presentation by the firm for purposed Mobile app Design, features and Technologies to be used

Award criteria, award of contract:

The procuring entity Professor and Head, Department of Environmental Science reserves the right to reject any or all proposals without assigning any reasons and thereby without incurring any liability to the affected firm or any obligation to inform the affected firm. The organization/firm whose proposal is found most suitable after being evaluated and approved will be awarded the contract.

Terms and Conditions :

- A Judicial Bond/Agreement shall be executed between the Professor and Head, Department of Environmental Science, and the successful Contract Awardee Firm, incorporating all the terms and conditions governing the design, development, deployment, implementation and maintenance of the proposed mobile application.**
- A Rate should be quoted inclusive of the cost of Services, Manpower cost, Transportation, maintenance for a minimum period of 1 year, inclusive of charges of GST and other taxes as applicable.
- THE Professor and Head, Department of Environmental Science** will pay the amount only after completion of assignment.
- All information, document, photos and data coming in the possession of firm, as a result of the execution of the job shall at all time remain the property of Dr. YS Parmar University of Horticulture and Forestry, Nauni Solan.
- The firm shall not make or allow making an unauthorized copy, use, access or other utilization of these materials commercially or otherwise, directly or indirectly except as agreed to by Dr.

- YS Parmar University of Horticulture and Forestry, Nauni Solan. The firm shall also ensure complete confidentiality of the information and data provided for carrying out the job.
- h) The firm has to complete the job assigned within 3 Months from the date of award of Contract.
 - i) Dr. YS Parmar University of Horticulture and Forestry, Nauni Solan will have no liability regarding transportation, boarding and lodging of firm and their staff.
 - j) Under no circumstances the firm shall appoint any sub-contractor or sub lease the contract. If the condition is violated, the agreement with the firm will be terminated.
 - k) The rate quoted once will be final.
 - l) It is not binding on Dr. YS Parmar University of Horticulture and Forestry, Nauni Solan to accept the lowest bid.
 - m) TDS as applicable on date will be deducted from firm actual bill submitted for payment.
 - n) The price accepted by the committee will be final and no deviation from it will be accepted in this regard.
 - o) In case of any dispute between the parties, the jurisdictions shall be at HP High Court Shimla.
 - p) The selected service provider/publishers will have to complete the job as per term and conditions specified above.
 - q) The procuring entity reserves the right to accept or reject any or all EOIs without assigning any reason thereof.
 - r) Conditional offer/ EOI submitted by fax/email or after the due date and time will be rejected.
 - s) For any query please contact on Phone No. 01792-252

Annexure 1: Technical Bid for Designing, Developing and Deployment of Mobile app “Krishi Advice” as per the latest standards for Dr. Y.S. Parmar University of Horticulture and Forestry

S.No.	Particulars	Description
1.	Name, Address, email and telephone number of the agency/firm	
2.	Name. Designation, Address and telephone no. of the authorized person	
3.	Whether firm is registered, (Please attach copy)	
4.	Please enclose the list of permanent professional and no. of year of association with organization.	
5.	Detail of experience with all stages of developing Website, technology skills, with previous experience of website designing, developing, hosting and/or maintenance, management, editing.	
6.	Detail of experience in developing Mobile app and online solutions and maintenance for the past three years (please attach proof)	

7.	Detail of similar assignment (Please attach copy with sanction letter/ work order)	
8.	Latest Tax Return (Please attach copy)	
9.	Annual Turnover: 2019-20 , 2020-21 and 2021-22	
10.	Proposed Work Plan and Approach	

(Attach separate sheets, if necessary)

Declaration:

This is to certify that I/We before signing this job assignment have read and fully understood all the terms and conditions contained in the document and undertake myself/ourselves to strictly abide by them.

Signature of the officer with name, designation, seal and date

Annexure 2: Financial Bid for for Designing, Developing and Deployment of Mobile app
"Krishi Advice" as per the latest standards for Dr. Y.S. Parmar University of
Horticulture and Forestry

Please provide detail financial implication to the organization with break up.
(All prices/rates quoted must comply with the terms and conditions of ToR.)

The Finance/ Budget Plan must provide a detailed cost breakdown. Provide separate figures for each functional grouping or category.

Name of the work: Designing, Developing and Deployment of Mobile app "Krishi Advice" as
per the latest standards for Dr. Y.S. Parmar University of Horticulture and Forestry

Sl. No.	Description	Quoted Rate
1.	Organization/ Agency charges for Designing, Developing and Deployment of Mobile app "Krishi Advice" as per the latest standards. and online solutions for hosting and/or maintenance, management, editing of the Mobile app for 1 year.	
2.	Applicable GST charges	
3.	Others, if any (please specify)	

Total Cost : (In Rupees) _____

(Attach separate sheets, if necessary)

Declaration:

This is to certify that I/We before signing this job assignment have read and fully understood all the terms and conditions contained in the document and undertake myself/ourselves to strictly abide by them.

Signature of the firm with name, designation, seal and date