

प्रेषक,

कृषि निदेशक
उत्तराखण्ड।

सेवा में,

1. सम्पादक अमर उजाला उत्तराखण्ड संस्करण।
2. सम्पादक टाइम्स ऑफ इंडिया अंग्रेजी संस्करण, दिल्ली।

पत्रांक:- /EOI/2026-27 देहरादून दिनांक, 17 अप्रैल, 2026

विषय:- EOI for Development of the Uttarakhand Agriculture transformation plan के विज्ञप्ति के प्रकाशन विषयक।

महोदय,

आपको इस निदेशालय द्वारा **EOI for Development of the Uttarakhand Agriculture transformation plan** की विज्ञप्ति इस अनुरोध के साथ संलग्न कर प्रेषित की जा रही है कि कृपया इस विज्ञप्ति को स्वेत श्याम (Black & White) न्यूनतम पठनीय साईज अथवा संलग्न साईज को तत्काल नियमानुसार समयान्तर्गत प्रकाशित करने हेतु प्राथमिकता प्रदान करने का कष्ट करें।

संलग्नक:-उपरोक्तानुसार।

भवदीय,

कृषि निदेशक
उत्तराखण्ड।

पत्रांक:- 295 /EOI/2026-27/तददिनांकित।

प्रतिलिपि- निम्नांकित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।

1. सचिव, कृषि एवं कृषक कल्याण, उत्तराखण्ड शासन, देहरादून को सादर सूचनार्थ प्रेषित।
2. महानिदेशक, कृषि एवं उद्यान, उत्तराखण्ड शासन, देहरादून को सादर सूचनार्थ प्रेषित।
3. सूचना एवं लोक सम्पर्क निदेशालय, सूचना भवन, रिंग रोड, लाडपुर, देहरादून को सादर सूचनार्थ प्रेषित।
4. वित्त नियंत्रक, कृषि निदेशालय, उत्तराखण्ड, देहरादून।
5. भण्डार सहायक, कृषि निदेशालय, उत्तराखण्ड को इस आशय से कि विज्ञप्ति प्रकाशित कराना सुनिश्चित करें।
6. कैशियर, कृषि निदेशालय, देहरादून।
7. श्री हरिनन्दन जोशी, कनिष्ठ सहायक, कृषि निदेशालय को इस निर्देश के साथ कि पंजीकरण संबंधी विज्ञप्ति को वेबसाईट www.agriculture.uk.gov.in पर अपलोड करना सुनिश्चित करें।

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**Department of Agriculture
Government of Uttarakhand
<Directorate of Agriculture
Nanda Ki Chowki, Premnagar Dehradun Uttarakhand-248007>
Expression of Interest (EOI)**

The Department of Agriculture, Government of Uttarakhand (the 'Department') plans to conduct a comprehensive study of the agriculture and allied sector ecosystem in the state to analyse the region-specific resources and develop an agriculture transformation plan including strategic initiatives to improve resource allocation and increase productivity.

The Department wishes to engage a reputed and experienced agency (government or private organisation/ institutions etc.) to conduct this end-to-end study based on scope of work.

The Department hereby invites Expression of Interest (Eoi) from potential bidders to engage in discussions aimed at assessing the existing and upcoming ecosystem at the state and national level for undertaking similar projects, the expertise of involved agencies and the nature of projects undertaken in the domain. The objective is to identify necessary adjustments to the Scope of Work and accordingly develop a tailored RFP for the project.

The Eoi along with the proposal in the format specified in Annexure 1 should reach the designated nodal officer by **4 PM on 08 May 2026**. Any clarifications or queries may be submitted by an e-mail to the nodal officer by 4 PM on 05 May 2026. A pre-Eoi conference through video conferencing (VC) will be held on 23 April 2026 at 12.30 PM. The VC link will be provided on request basis received on email dir.agri.uttarakhand@gmail.com.

The nodal officer is Shri Dinesh Kumar, Director of Agriculture Uttarakhand, (Tel: 0135-2972421, email:dir.agri.uttarakhand@gmail.com)

A pre-bid conference at Directorate of Agriculture, Premnagar, Nanda Ki Chowki Dehradun will be held on 27 April 2026 at 11.30 AM.

The detailed terms and conditions are available on the website www.agriculture.uk.gov.in.

All eligible entities are cordially invited.

**Director Agriculture
Uttarakhand**

Annexure 1

Format for response to the EoI

A. Project Overview

The scope of work of the project is detailed in the Annexure 2 attached herewith. A brief overview of the project is as below:

1. **Objective:**The key objectives of the project are as below:
 - a. To assess the current ecosystem of agriculture and allied sector in the state including but not limited to the natural endowments, current cropping patterns and market assessment etc.
 - b. To formulate roadmap for development of clusters in high value crops and allied produce based on agroclimatic feasibility and market analysis.
 - c. To develop a dashboard for collection and assessment of relevant data points and subsequent mapping of selected crop clusters. The dashboard shall provide access to all or part of collected data to various stakeholders.
2. **Key components:** The key components of this project include the following:
 - a. Land resource mapping
 - b. Soil analysis
 - c. Agroclimatic assessment
 - d. Irrigation resource mapping
 - e. Infrastructure assessment
 - f. Background and needs assessment
 - g. Dashboard development
 - h. Agriculture transformation plan development
 - i. Operation and maintenance of dashboard
3. **Expected outputs and outcomes:**The expected outcomes from this study include the following:
 - a. Collection and consolidation of data across various components that impact agriculture in the state
 - b. Development of the Uttarakhand Agriculture Transformation Plan (UATP) focused on developing a roadmap for undertaking high value initiatives in the state to bring prosperity to the farmers.
 - c. Data-based dashboard integrated with current ecosystem like agristack and adaptive to AI integration in future.

B. EoI format

1. **Introduction:** Provide a brief overview of your organisation, including its mission, vision, and core competencies related to data analysis and strategy development for agriculture and allied sector and dashboard development as required under this proposal (up to 500 words).

2. **Understanding of requirements:** Summarise your understanding of the project requirements as outlined in the invitation. Highlight the existing ecosystem and technologies at the local and global level that shall assist in delivering the requirements (up to 500 words).
3. **Comments on Scope of Work:** Provide comments on each component of the scope of work detailed in Annexure 2. Provide a brief of your proposed approach and methodology, expected timeline, indicative expenditure heads, technology stack for dashboard development and workplan (timeline with key milestones) for the assignment (up to 2000 words). The format for comments on Scope of Work is as below:

S No	Component of scope of work	Comments	Proposed approach and methodology	Expected timeline	Indicative expenditure*
1					
2					
3					

*Note: The indicative expenditure is requested to assess the scale at which the bidder will operate and shall not be considered as financial quote for the project. This shall aid in developing the RFP to ensure that bidders with more comprehensive proposals are not unreasonably disadvantaged by low financial bids from other less-qualified bidders.

4. **Subject matter expertise and experience:** Provide details of your completed and ongoing projects, similar in scope to that of the EoI, in the format as below (up to 10 projects). The relevant sectors include, but are not limited to – agriculture, horticulture, apiculture and sericulture. Experience of feasibility studies in sectors like tourism, industries and urbandevelopment should also be provided (up to 5 projects).

S No	Client name	Project scope	Key deliverables	Project fee	Project period
1					
2					
3					

5. **Key personnel:** Provide an outline of the proposed team structure with relevant qualifications for the given project. Provide details of the deployment plan of the given team.
6. **Partnerships and collaborations:** Provide an overview on your expertise in management of the entire project considering requirement for collaboration or consortium. Mention your partnerships or collaborations that will enhance your ability to deliver results effectively.

Note- The EoI along with the proposal in the format specified in Annexure 1 should reach the designated nodal officer i.e. Director of Agriculture, Department of Agriculture, Nanda Ki Chowki Premnagar Dehradun-248007 in physical form within stipulated time.

Annexure 2

Draft Terms of Reference

A. PROJECT BACKGROUND

1. Background

- a) The State of Uttarakhand (the 'State') is richly endowed with natural resources that create a robust foundation for the development of agriculture and allied sectors. The diverse terrain, agroclimatic conditions and varied mineral-rich soil types offer a plethora of development options across the sector.
- b) To fully harness the potential of these resources, it is essential to conduct a comprehensive survey and analysis of the present endowments, their current utilisation patterns and accordingly develop strategic initiatives to improve resource allocation and enhance overall agricultural productivity.
- c) The Department of Agriculture (the 'Department') plans to engage an agency (the 'Agency') to develop an end-to-end agriculture and allied sector master plan for the State to assist in achieving these objectives.
- d) The Agency shall be responsible for conducting end-to-end study of the agriculture and allied sectors ecosystem in the State. The scope of work shall include but not be limited to – survey of agroclimatic conditions, soil profiling, land use and coverage, water availability, cropping patterns, allied sector activities, social conditions, infrastructure mapping, challenges, data collection and analysis, development of strategic initiatives and advisory separately for hilly and plain regions of the State.
- e) The strategic initiatives shall include but not be limited to agriculture, horticulture, medicinal and aromatic plants, agroforestry, sericulture, mushroom cultivation, beekeeping, and processing etc.
- f) For regions found completely unsuitable for any kind of agriculture and allied sector activities related to production or post-harvest management, the Agency shall provide advice regarding the development of tourism, urban infrastructure and industries or advanced agriculture activities in controlled conditions like hydroponics and aeroponics etc.

2. Key objectives of the project

The key objectives of the project include but are not limited to:

- a) End-to-end assessment of the agricultural ecosystem in the State.
- b) Collection of secondary data for agriculture and allied sector resource assessment and gap analysis.
- c) Identification of priority regions for sectoral development based on secondary data collection.
- d) Ground truthing and primary data collection of relevant agriculture and allied sector resources to strengthen existing database.
- e) Identification of region-specific initiatives for transformation of agriculture and allied sector in the State based on primary and secondary data collection and analysis.
- f) Development of Uttarakhand Agriculture Transformation Plan detailing initiatives to be undertaken at cluster level in a phased manner.
- g) Advisory on tourism/industries/infrastructure development etc. on land assessed as unfeasible for agricultural and allied sector.
- h) Development of a digital dashboard to consolidate, analyse and visually represent the collected data and transformation plan, allowing access to part or all of the data to various stakeholders.
- i) Operation and maintenance of dashboard and handover to the Authority.
- j) Any other activity required to ensure successful conclusion of the project.

B. SCOPE OF WORK

The scope of work for development of the agriculture and allied sector master plan has been divided into following broad components:

- a) Land resource mapping
- b) Soil analysis
- c) Agroclimatic assessment
- d) Irrigation resource mapping
- e) Infrastructure assessment
- f) Background and needs assessment
- g) Dashboard development
- h) Agriculture transformation plan development
- i) Operation and maintenance of dashboard

The data collected for all components shall be reflected on the digital dashboard where interactive maps compatible with GIS shall be prepared for data analysis. The Authority shall ensure support in providing secondary data under its purview.

1. **Land resource mapping:** Create an accurate and comprehensive baseline map of Uttarakhand's land resources of a scale of 1:10,000 as below:
 - a) **Data point:** The maps shall reflect the following:
 - i. Land use classification as cultivated fields, cultivable wasteland, fallow, current fallow, barren and uncultivable land, pastureland, forest and waterlogged area etc. The maps shall also capture major landmarks of the State including State highways, railway stations, airports, and famous structures etc.
 - ii. Topography including slope, elevation, aspect etc.
 - iii. Vegetation cover including existing crop coverage and natural vegetation.
 - b) **Analysis and output:** Data points shall be analysed to give output as below:
 - i. Land capability in terms of agronomic practices, potential areas of development and strategy for efficient utilisation of fallow/ barren and uncultivable land.
 - ii. For regions assessed as unsuitable for agriculture and allied sector activities, identify potential uses for other sectors like tourism, industries and urban development etc. The initiatives shortlisted shall be based on identified asset classes, needs assessment and potential investment opportunities.
 - c) **Data sources:** The baseline map may be developed using data sources or technologies like satellite imagery from National Remote Sensing Centre (NRSC) and Earth Explorer, Orthorectified Radar Images (ORI) from Revenue dept. (data captured under Digital India Land Records Modernisation Programme [DILRMP]), Survey of India reports, and other credible secondary sources, primary surveys as per need, or any other technologies that may be recommended.

2. **Soil Analysis:** Collect data for comprehensive analysis of soil resource of the State as below:
 - a) **Data points:** The soil map shall reflect the following:
 - i. Soil classification based on soil type, particle size and runoff potential etc.
 - ii. Nutrient profile, pH levels, macro and micro-nutrients, organic carbon content, and electrical conductivity etc.
 - iii. Soil erosion potential
 - b) **Analysis and output:**
 - i. Develop soil fertility, nutrient distribution and erosion risk maps of a scale of 1:10,000
 - ii. Develop strategy for improved soil management practices and utilisation patterns. Identify regions for development of high value crop clusters and develop strategy for integrative and sustainable farming through improved management practices in smaller pockets of agriculturally feasible land.

- a) **Data sources:** The soil map may be developed using data sources or technologies like reports of Soil and Land use survey of India (SLUSI), classification under ICAR, Soil Health Card data, satellite imagery from National Remote Sensing Centre (NRSC), GIS, and Earth Explorer, State Disaster Management Authority records and other open data sources and other credible secondary sources, primary surveys as per need with a minimum of 3-4 samples per village, or any other technologies that may be recommended.
3. **Agroclimatic mapping:** Collect data for mapping of agro-climate of the state as below:
- a) **Datapoints:** The agroclimatic map shall reflect the following:
- i. **Agroclimatic zones** and sub-zones.
 - ii. **Precipitation patterns** and annual distribution across the state.
 - iii. **Relative humidity and temperature** distribution
- b) **Analysis and output:** Datapoints shall be analysed to give output as below:
- i. Develop agroclimatic feasibility report for high value crops for development in clusters.
 - ii. Climate modeling: Use predictive modeling to assess future scenarios and develop resilience strategies.
- c) **Data sources:** The agroclimatic map may be developed using data sources or technologies like historical data from Indian Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR), NASA POWER (Prediction of Worldwide, Energy Resources) data, weather stations, meteorological centres and agriculture universities etc.
4. **Irrigation resource mapping:** Collect data for mapping of irrigation status and resources of the state as below:
- b) **Datapoints:** The irrigation map shall reflect the following:
- i. **Irrigated and unirrigated zones**
 - ii. **Water body and aquifer mapping**
 - iii. **Watershed boundaries**
 - iv. **Water management infrastructure** like dams, penetration of micro irrigation systems under state and central schemes.
- c) **Analysis and output:**
- i. Identify regions with high and low water potential (groundwater, aquifer, water bodies etc.) and develop strategy considering interventions like micro-irrigation technology to increase current water utilisation patterns and water use efficiency and in turn maximise productivity.
- d) **Data sources:** The irrigation map may be developed using data sources or technologies like earth observation satellite data from NRSC, irrigation census data, State Irrigation Plan (SIP) under Per Drop More Crop (PDMC) data, Digital Elevation Model (DEM) data of Shuttle Radar Topography Mission (SRTM) and Advanced Spaceborne Thermal Emission and Reflection Radiometer

(ASTER) and for watershed boundaries reports of central ground water board on resources of Uttarakhand, and other credible secondary sources, primary surveys as per need, or any other technologies that may be recommended.

5. **Infrastructure assessment:** Collect data for mapping of existing infrastructure essential for development of entire agricultural value chain as below:
 - a) **Datapoints:** The assessment shall reflect the following:
 - i. **Input infrastructure** like nurseries, soil testing laboratories, farm machinery banks (FMB) and custom hiring centres (CHC) etc.
 - ii. **First and last mile connectivity** for transportation accessibility for movement of farm inputs and outputs.
 - iii. **Storage and processing facilities** for post-harvest downstream value chain
 - iv. **Market access and value chain networks** including presence of local, regional and national markets as well as export potential and capabilities.
 - b) **Analysis and outputs:** Datapoints shall be analysed to give output as below:
 - i. Assess the market demand at local and global levels and identify crops that have export potential.
 - ii. Determine the key gaps in infrastructure across the value chain that need to be addressed to improve agricultural productivity, perishability of produce, improve price realisation and sustainability.
 - iii. Develop strategy for infrastructure development to enhance and support suggested and existing value chains.
 - c) **Data sources:** The data may be sourced from various departmental records, economic and agricultural census reports and other credible sources primary surveys as per need, or any other technologies that may be recommended.
6. **Background and needs assessment:** Collect data for understanding the agricultural context of the state including the following:
 - a) **Datapoints:** The assessment shall reflect the following:
 - i. **Current agricultural practices** including cropping patterns, their production and productivity, landraces, farming methodologies, technological penetration etc.
 - ii. **Allied sector assessment** including secondary data like distribution, production and productivity data for animal husbandry, dairy, fisheries and other allied activities like mushroom production, beekeeping, sericulture etc.
 - iii. **Socio-economic assessment** of the farming community including demographic data, operational landholdings, income, other livelihood options, cultural and traditional aspects impacting the farming practices,
 - iv. **Social infrastructure** like farmer social support networks like FPO, farmer groups and community centres, financial and credit services, extension services that offer training, support and advisory, labour availability etc.

- v. **Agricultural support system** including legal and governance framework like land laws, agricultural policies etc.
 - vi. **Challenges** like animal menace, forest fires, first and last mile transportation, and infrastructure etc.
 - vii. **Disaster risk assessment** like flood zone mapping, landslide, cloudburst, and drought prone areas, hailstorm affected regions etc.
 - viii. **Future risk assessment** through predictive modeling and study of historical data for risks such as disease and pest outbreak, climate fluctuations etc.
- b) **Analysis and output:** Datapoints shall be analysed to give output as below:
- i. **Gap assessment** – Determine the key gaps in resources, knowledge, infrastructure, capacity etc. that need to be addressed to improve agricultural productivity and sustainability.
 - ii. Provide advisory on development of key capabilities in the State based on the gap assessment to achieve the envisioned agricultural transformation of the State.
- c) **Data sources:** The data may be sourced from various departmental records like State Disaster Management Authority (SDMA) records, economic and agricultural census reports and other credible secondary sources, primary surveys as per need, or any other technologies that may be recommended.
7. **Dashboard development:** Create a user-friendly digital platform to store, visualise, analyse and share part of the collected agricultural data, accessible with farmers, policymakers, academia, industry and other stakeholders. Expected outputs shall be as below:
- a) **Output:**
- i. Feed secondary data collected for aforementioned assessments in the dashboard.
 - ii. Generate primary data sets essential for ground truthing of selected data points and enhance credibility of the data collected. Feed this data to the dashboard.
 - iii. Integrate the acquired and developed data on the dashboard as separate data layers of interactive maps compatible with GIS and conduct analysis for each of the aforementioned components.
 - iv. The dashboard shall be dynamic in nature, integrative with current platforms like Agristack and adaptive to AI integration as well.
 - v. The dashboard shall provide functionality within the dashboard to enable conduction of additional analyses beyond those undertaken by the Agency.
8. **Development of Uttarakhand Agriculture Transformation Plan:** Considering the data analyses and output of each of the aforementioned sections, develop the transformation plan as below:
- a) **Output:**

- i. Identify priority regions for development of agriculture and allied sectors in the State. These shall be areas which are most suitable for development of agriculture and allied sector activities in the State.
- ii. Develop list of initiatives to be undertaken in these priority regions, including but not limited to crop suitability and diversification including package of practices, allied activities suitability and diversification, integrative approach in the sector, resource management, sustainable practices and climate resilience package of practices, adoption of best practices and new technology, and infrastructure development etc.
- iii. Shortlist crops and initiatives based on market analysis and best return on investments.
- iv. Map clusters based on agroclimatic feasibility of selected crops/initiatives. The cluster shall be characterised by its unique agro-ecological conditions and market opportunities, ensuring that it is representative of the local environment and the community needs. The size of a cluster shall not be smaller than a Nyaya Panchayat
- v. Create roadmap for development of identified clusters through short, medium and long-term plan for implementation of identified initiatives for agricultural transformation of Uttarakhand, including timelines, investments, cost benefit analysis and likely outcome of each initiative.

9. Operation and maintenance (O&M) of dashboard: The O&M services shall include but not be limited to operation, bug fixes, updating, modification and overall maintenance of the dashboard. This shall be divided into the following activities:

a) Output:

- i. Carry out data management, modification and updating of the dashboard.
- ii. Identify and resolve software bugs, glitches, and reported issues to maintain a seamless user experience.
- iii. Conduct periodical monitoring of the dashboard as and when needed for its availability, responsiveness and performance. Promptly address any downtime or technical issues to minimize disruptions.
- iv. Ensure that the platform complies with all relevant industry regulations, data protection laws, and consumer protection guidelines.
- v. Provide training to internal and Department staff, to ensure that they can efficiently manage and support the dashboard.
- vi. Facilitate handover of dashboard as follows:
 - Integrate the dashboard seamlessly with other existing systems and dashboards of the Government of Uttarakhand, where necessary.
 - Modify dashboard in lines with the requirement of the concerned departments.

- Provide practical trainings for handover and knowledge transfer covering functionality, data interpretation, maintenance and updating of the dashboard

Note: The data sources mentioned are indicative and the Agency should also collect data from other credible sources beyond the aforementioned sources.
