



**IIT Ropar – Technology and  
Innovation Foundation for the  
Agriculture and Water  
Technology Development Hub  
(AWaDH)**

A Technology Innovation Hub established by the  
Department of Science & Technology (DST),  
Government of India, in the framework of National  
Mission on Interdisciplinary Cyber Physical  
Systems (NM – ICPS)

e-mail: [awadh@iitrpr.ac.in](mailto:awadh@iitrpr.ac.in)

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**Advertisement inviting applications for  
the position of *CEO* at TIF – AWaDH / IIT Ropar**

TIF – AWaDH is a Technology Innovation Hub in the domain of Agriculture & Water established by the Department of Science & Technology (DST), Government of India, at the Indian Institute of Technology (IIT) Ropar in the framework of National Mission on Interdisciplinary Cyber-Physical Systems (NM - ICPS) to improve the overall ecosystem of agriculture in line with the developed countries. The Hub's first sanctioned budget is Rs. 110 crores for five years with timebound pre-defined deliverables, following which the Hub should generate its revenue to continue with its functions.

**Job Title: Chief Executive Officer (CEO)**

Applications are invited for a CEO at TIF – AWaDH at IIT Ropar.

**Roles and Responsibilities:**

- Responsible for devising a strategic plan for the Hub's operations to achieve well-defined goals and ensure self-sustainability beyond the government funding period.
- Strategize and initiate processes to support the faculty members, students, R & D collaborators for their day-to-day requirements.
- Coordinate academic events, workshops, training programs, etc.
- Enhance the Hub's visibility and look for possible collaborations, startups, companies for the transfer of technologies developed at TIF – AWaDH.
- Explore avenues to generate funds in terms of projects, technology transfer, etc., in India and abroad.
- Establish an innovation ecosystem by interacting, selecting, and onboarding a robust group of mentors, investors, and business advisors.
- Work closely with TIF – AWaDH members to help them work towards the Hub's defined Vision and Mission by steering their technologies/IPs towards commercialization, mentoring, and helping to set up startup ventures.
- Raise and manage funds to ensure financial sustainability of the Hub; solicit donors, make a pitch to raise funds from corporates (CSR), Industry, Government grants, incubator funds, etc.; responsible for financial activities related to budgeting, reporting, audit, compliance with various statutory rules and regulations.
- Manage efficient and seamless operations; define policies and roll-out processes for managing granted projects and incubated startups; define measurable goals; ensure utilization of operating expenses as per budgets; support team in achieving their milestones; collaborate and build a high-achieving team; conduct performance reviews of team-members; ensure compliance related to all applicable laws; and IP ownerships.
- Define, organize and disseminate accurate and timely reports to the Hub Governing Body (HGB) of TIF – AWaDH, funding agencies, and all other stakeholders.
- Stay updated with the latest developments globally in the core areas of relevance to the Hub at IIT Ropar.

**Skill Sets, Knowledge, and Experience:**

- **Educational qualifications:** MBA with a degree in any field of science, technology, engineering, business, or quantitative social sciences with excellent written and oral communication skills. Higher qualification may be given a preference.
- **Experience:** A preferably 10-year experience with at least 3-years managerial experience in translational work of research into the product in Industry, association, and similar organizations. Preference will be given to the candidates who have professional work experience in research, innovation, technology

development, strategy, marketing and business development, international development in academia, industry or government in India or an International location in the domain of AgriTech and CPS technology.

- Gravitas and commanding respect can interact comfortably with eminent and senior professors, professionals, students, collaborators, and other stakeholders.
- Fair understanding of the concept of incubation, entrepreneurship, and innovation; preference to those who have been an active player in the startup ecosystem.
- Marketing skills in advertisement, publicity through direct and online modes; Event management capabilities, networking capabilities with diverse stakeholders.
- Strong team-building and people-management skills, with the ability to set priorities and manage operations.
- Knowledge of stages for startups; Government-sponsored funds for startups; statutory framework; term sheets, etc.
- Incubation-related research and analytical skills, with preferable knowledge of various industries and emerging CPS technologies.
- Experience with interaction with Government agencies.
- Strong computer skills, e.g., experience in Microsoft Word, Excel, PowerPoint, Project, Outlook, etc.
- Team player and consensus-builder at Board level and across employees; mindset of an institution builder

#### **Compensation, Tenure, and other details:**

- In the range of **INR 25-35 Lakh** annual CTC, depending on experience. An initial period of appointment will be two years, extendable for 5 years based on the performance.
- **Age:** less than 50 years
- **Separation condition:** 1 calendar months' notice in the first year and three calendar months' notice in subsequent years, in writing for separation on either side or salary in lieu of the notice period.

#### **General Instructions:**

1. The TIF – AWaDH reserves the right to restrict the number of candidates for the further recruitment process to a reasonable limit, based on age, qualification, experience, etc.
2. The Hub also reserves the right to reject any or all the applications without assigning any reasons.
3. Eligibility of a candidate to the post will not automatically mean that he/she will be shortlisted and called for a further recruitment process. No request in this regard will be entertained for review etc.
4. Shortlisted candidates will be informed of the further recruitment process through registered e-mails only.
5. The selected candidate will be expected to join within two months from the date of the Offer of Appointment.
6. A person working in Govt. Organization / Autonomous Bodies / PSUs etc., will be required to produce the No Objection Certificate (NOC) before the interview or should send his/ her application through the proper channel.

#### **How to Apply:**

Interested candidate may send their detailed CV as a single file to [awadh@iitrpr.ac.in](mailto:awadh@iitrpr.ac.in) and [md.tif@iitrpr.ac.in](mailto:md.tif@iitrpr.ac.in) with the subject line as "**Application for Chief Executive Officer (CEO)**" or at the postal address given below subscribing on the envelope "**Application for Chief Executive Officer (CEO)**" to reach on or before **4th April 2021**.

**Note:** Only shortlisted candidates shall be called for the further recruitment process. The decision of the management for the shortlisting and selection will be final.

#### **Postal Address:**

The Office of TIF – AWaDH  
214, M. Visvesvaraya Block,  
Indian Institute of Technology Ropar, Rupnagar – 140 001, Punjab (India)



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**About the iHub – AWaDH:**

IIT Ropar – Technology and Innovation Foundation (TIF) is a Section – 8 company founded to support the initiatives of recently established Technology Innovation Hub – AWaDH (Agriculture and Water Technology Development Hub) at the Indian Institute of Technology Ropar in the framework of National Mission on Interdisciplinary Cyber Physical Systems (NM – ICPS) by the Department of Science and Technology, Government of India. The TIF support the R&D in the domain of Agriculture and Water, and provides incubation support to technology-based start-ups towards sustainable agriculture and environment.

The R & D domains of AWaDH to deploy CPS are:

- Water/industry discharge assessment, treatment, and management,
- Advancement of land resources and farm preparation,
- Agriculture automation and precision farming,
- CPS in harvesting and post-harvesting, and
- The application of the Internet of Things (IoT) in the domain of Agriculture and Water.

The scientific knowledge and technology advancements achieved at AWaDH will be deployed in (i) Food Processing Industries, (ii) Rural Development, (iii) Fisheries, (iv) Skill Development and Entrepreneurship, (v) Textiles industry for discharge management, (vi) Electronics and IT Industry for the development of IoT devices, (vii) Fertilizer industry for the optimized combinations of nutrients, (viii) Food and Public Distribution, (ix) Atomic Energy, (x) NITI Aayog for implementing different government schemes, (xi) implementation of farming practices in terms of preparation of farmland, pre/post-harvesting, delivery of the agricultural commodities to the consumers, preservation, and storage without affecting the environment.

Some of the technologies that are being developed at AWaDH are: (i) Design and development of IoT enabled nano-bubble technology/oxygen generators for water treatment for remediation of rural domestic and industrial wastewater, (ii) IoT based CPS for the water quality assessment and management, (iii) Technology for the generation and application of crop-residue derived Biochar, (iv) CPS for mapping the naturally occurring and artificially infused radioisotopes in soil and water, and AI-based CPS for optimized fertilizer application, (v) Design and development of IoT enabled Harvester-cum-Bailer machine for Stubble Management, and Extra-ordinary and diversified applications of stubble for better environment and new livelihoods opportunities, (vi) urban farming, (vii) Automation in agriculture for the precision farming in Rural and Urban settings, and (viii) IoT in the Domain of AgriTech Livestock Monitoring in the food processing industry.