

## **Advertisement for Various Posts at Odisha Hydrogen Valley Foundation, IIT Bhubaneswar**

ADVERTISEMENT No. OHVF/Staff Recruitment/2026/01 Dt.: 16.06.2026

The Hydrogen Valley Innovation Cluster (HVIC) is a first-of-its-kind concept in India, funded by the Ministry of New and Renewable Energy, Government of India, under the National Green Hydrogen Mission and monitored by the Department of Science and Technology, Government of India. HVICs are tasked with demonstrating the entire Green Hydrogen value chain, encompassing production, storage, transportation, and application. Odisha Hydrogen Valley Foundation (OHVF), set up by IIT Bhubaneswar, is the unique HVIC under this Scheme in Eastern India, focused on piloting the complete green hydrogen ecosystem. The foundation is looking forward to onboarding highly motivated professionals and invites applications from eligible Indian nationals for the following posts.

### **1. Research Scientist (multiple positions)**

#### **Job responsibility:**

- Conduct research and development activities related to hydrogen production, storage, hydrogen-based DRI, electrolysis, and decarbonization technologies.
- Develop and optimize laboratory- and pilot-scale processes.
- Perform data analysis, process evaluation, and interpretation of experimental results.
- Prepare technical reports, research publications & white papers, patent drafts, project proposals, and presentations.
- Coordinate with industries, research institutions, startups, and government stakeholders for collaborative projects.
- Support setup, commissioning, and monitoring of pilot plants and demonstration facilities under OHVF initiatives.
- Ensure laboratory safety, documentation, and compliance with applicable standards and protocols.
- Mentor junior researchers, interns, and project staff as required.
- Support in coordinating the periodic Technical Committee meetings to review the progress of the project, along with programmatic reporting to the different stakeholders

#### **Eligibility**

##### **Essential:**

- Ph.D. in Chemistry/Physics/Chemical Engineering/Mechanical Engineering/Metallurgical & Materials Engineering/Energy Engineering/Renewable Energy/related disciplines.

(or)

MTech in Chemical Engineering/Mechanical Engineering/Metallurgical & Materials Engineering/Energy Engineering/Renewable Energy/related disciplines with 3 years of work experience in a technical role.

- Demonstrated experience through research publications, projects, or industrial R&D.

##### **Desirable:**

- Strong research background in hydrogen, energy systems, materials, process engineering, DRI, mining, metallurgy, or allied areas.
- Knowledge of characterization techniques, analytical tools, and scientific research methodologies.
- Excellent technical writing and communication skills, patent drafting, and technology transfer.
- Exposure to government-funded research projects and multidisciplinary collaborations is preferred.

**Age:** Not more than 45 years as on the closing date of the advertisement

**Salary:** Consolidated salary of INR 0.70 lakh to 1.20 lakh per month based on experience and performance in the interview

## **2. Technical Officer/Manager (Technical) (1 post)**

### **Job responsibility**

- Coordinating the setup and operationalization of Odisha HVIC and conducting programs in line with the mission and goals of the HVIC
- Supervise and monitor various plants to be set up under HVIC projects, including green hydrogen production plants and DRI plants
- Constantly analyze the overlap and interlinking among various segments of the project.
- Execution of the project through constant collaboration with industries to serve the project needs
- Securing relevant national, international linkages with industry, academia, and other competent organizations for extended collaborations
- Analyze guidelines and policies. Provide support in the development of new policies
- Support in safety audits, HAZOP, QRA, GHG emission studies, etc., and implement recommendations for a compliant infrastructure
- Support in coordinating the periodic Technical Committee meetings to review the progress of the project, along with programmatic reporting to the different stakeholders

### **Eligibility**

#### **Education**

- **Essential:** MTech/MSc/BTech
- **Desirable:**
  - Educational qualification in Mechanical Engineering/Process Engineering/Material Sciences or other related fields relevant to plant operation and green hydrogen production
  - Advanced study in Management/Business Administration will be an asset

#### **Work Experience:**

- **MTech:** 2 years
- **MSc:** 4 years
- **BTech:** 5 years

**Age:** Not more than 40 years as on the closing date of the advertisement

**Salary:** Consolidated salary of INR 0.60 lakh to 1.00 lakh per month based on experience and performance in the interview

## **3. Business Development Manager (1 post)**

### **Job responsibility**

- Develop and execute a comprehensive fundraising and partnerships strategy as per organizational goals
- Engage with donor partners to design joint programs and initiatives for green hydrogen ecosystem implementation in line with the OHVF focus area.

- Build long-term, trust-based relationships with key decision-makers from industry, CSR, and philanthropic organizations.
- Build and manage a strong pipeline for industrial research, CSR partnerships, and philanthropic initiatives.
- Facilitate partner exposure to OHVF's infrastructure and capabilities. and on-ground work through field visits, reviews, and impact conversations.
- Drafting and review of high-quality concept notes, proposals, presentations, and reports, ensuring that proposals are mutually aligned with OHVF's focus area and partner priorities while maintaining programmatic integrity.
- Ensure adherence to all applicable regulatory and compliance requirements related to fundraising

### **Eligibility**

#### **Education**

- **Essential:** BTech/MSc/MBA/BCom and other equivalent education
- **Desirable:**
  - Science/Technology with Management degree/diploma

#### **Work Experience:**

##### **Essential:**

- **MBA – 3 years**
- **MSc/BTech: 5 years**
- **BCom/equivalent: 8 years**

##### **Desirable:**

- Work experience in fundraising, strategic partnerships, or resource mobilization from industry, government bodies, CSR, and philanthropic organizations
- Demonstrated track record of raising domestic funds for non-profits and sustaining growth over time.
- Strong experience and well-networked with the industry, CSR teams, foundations, and high-net-worth philanthropists.
- Exceptional written and verbal communication skills with strong ability to draft persuasive proposals and design partnership models.
- Strong understanding of regulatory and compliance frameworks relevant to domestic fundraising.

**Age:** Not more than 45 years as on the closing date of the advertisement

**Salary:** Consolidated salary of INR 0.80 lakh to 1.5 lakh per month based on experience and performance in the interview

## **4: Research Associates (Multiple Positions)**

### **1.1. RA-I**

**Minimum Qualification:** PhD in Physics/Materials Science/Mechanical Engineering/Chemical Engineering/Metallurgical Engineering or related fields with a good academic record, evidence of ability to pursue independent high-quality research, demonstrate extraordinary skills and experience, and be able to handle research projects independently

(or)

MTech with first class or equivalent in Metallurgical/Mechanical Engineering with at least THREE years of research experience in the related fields with a mandatory research publication

in a Science Citation Indexed journal.

**1.2. RA-II** Minimum qualification as per Section 1.1, including at least ONE year of post-doctoral experience in the related fields.

**1.3. RA-III** Minimum qualification as per Section 1.1, including at least THREE years of post-doctoral experience in the related fields.

**Desirable Skills/Experience:**

- Experience in green hydrogen research/technical demonstration field
- Knowledge of Multi COMSOL Physics/DFT/MD to emulate the experimental works
- Handling high-end synthesis (high temperature furnaces and rotary kiln reactors) and analytical (DT-TGA, XRD, XRF, GC-MS, and Imaging Microscopies) equipment
- Knowledge of mineral mapping and direct reduction of iron ore
- Worked on industrial projects to achieve the deliverables within the timeline
- Research paper, patent, and project report writing skills

**Key Responsibilities:**

- Lead and contribute to the in-depth research and pilot projects focused on the green hydrogen ecosystem, including production, storage, transport, and applications. Experience in green DRI will be an asset
- Undertake R&D works independently or in a group and collaborate with industry and multidisciplinary partners around the globe
- Project administration, monitoring, writing project review reports, and coordinating/engaging in review meetings with stakeholders
- Preparation of project proposals and documentation for grant submissions
- Publishing high-quality research articles in high-impact factor journals and national/international patents
- Training other junior project staff

**5: Project Assistants (Multiple Positions)**

**PA-II**

**Minimum Qualification:** MTech/M.Sc. (with two years of research experience for M.Sc. candidates) with a first class or equivalent in Physics/Materials Science/Metallurgical Engineering or related fields, with a good academic record, and should be able to handle laboratory work independently.

**PA-I**

**Minimum Qualification:** BE/BTech/MSc with a first class or equivalent in Physics/Materials Science/Metallurgical Engineering or related fields, with a good academic record, and should be able to handle laboratory work independently.

**Desirable Skills/Experience:**

- Experience working in research focused on sintering and/or extraction of metals
- Working experience in the green hydrogen ecosystem

**Key Responsibilities:**

- Managing and assisting the center with its ongoing research activities
- Engaging in various R&D works independently and in groups
- Managing the laboratory and coordinating various internal and external activities of the center

**Duration:** The initial appointment will be for 12 months, with the option to extend based on performance.

**General Instructions**

1. The candidates are required to apply through the application form appended to this advertisement.
2. Please email by creating a single PDF file with the subject **Application Form: <Post Name>** to [office.oh2valley@iitbbs.ac.in](mailto:office.oh2valley@iitbbs.ac.in) or send the application form along with related documents by registered post to the **Office of the OHVF, Room No. 018, SBS Building, IIT Bhubaneswar, Argul, Jatani, Khordha-752050, Odisha, India**, mentioning **Application Form: <Post Name>** on the envelope. Please check the essential documents required for each post, described at the end of the application form.
3. The opening date for submitting the online application is **16.06.2026**, and the closing date is **28.06.2026**.
4. Only shortlisted candidates will be intimated by email for an interview. No TA/DA shall be provided to the candidates for attending the interview. The interview may be conducted online.
5. Mere eligibility will not vest any right in any candidate to be called for an interview.
6. Minimum requirement of experience may be relaxed in respect of outstanding candidates.
7. The OHVF center reserves the right to call only the requisite number of candidates for interview after shortlisting in terms of the candidates' qualification, suitability, and experience.
8. The decision of the OHVF in all matters of selection is final.
9. No interim inquiries shall be entertained.
10. Canvassing in any manner would entail the disqualification of the candidature.
11. The positions are purely temporary in nature, and they have nothing to do with a permanent position in the center.
12. Upper age limits and salary/fellowship amounts will be applicable as per DST Rules (DST/PCPM/Z-06/2022 dated 26.06.2023)
13. The initial appointment will be for 12 months, with the option to extend based on performance.

CEO, OHVF



**Indian Institute of Technology Bhubaneswar**  
**Odisha Hydrogen Valley Foundation**  
(A Section 8 Company of IIT Bhubaneswar)



Form No. \_\_\_\_\_ (for office use only)  
Application Form OHVF/Staff Recruitment/2026/01

1. Post Applying For		Please paste your recent passport-size photo.
2. Name (Dr./Mr./Mrs./Ms.)		
3. Date of Birth		
4. Age as on 16/06/2026		
5. Category (Gen/OBC/SC/ST)		
6. Address for correspondence		
7. Contact No. (Mobile)		
8. E-mail		
9. Relationship with any IITBBS employee (if any)		

10. Qualifications:

Degree*	College/University	Year of Passing (pursuing)	Subject/ Specialization	%/ Grade/ CGPA
Ph.D.				
M.Sc./ M. Tech/MBA.				
B.Sc./B.E./ B.Tech.				
12 <sup>th</sup>				
10 <sup>th</sup>				

\* Please include the minimum qualifications for the post you are applying for

11. Any other qualifications	
12. National level examinations	
13. Work experience (Attach the relevant documents and note on alignment with the advertised post)	
14. Write up on potential contribution to OHVF (attach a separate note)	
15. Signature of the candidate	

**Note: Documents to be submitted**

**For all positions**

- Duly filled and signed application form
- Curriculum vitae
- Supporting documents for meeting essential and desirable criteria. Self-attested copies of all relevant educational certificates, marksheets, and experience certificates, if any.

**Additional documents for Research Scientist/ Technical Officer/Manager (Technical)/ Business Development Manager/Research Associate**

- Description of the past research work, technical assignments, work experience, and their alignment with the role in the applied position (maximum 2 pages)
- Please submit a one-page write-up on your potential contribution to the Odisha Hydrogen Valley Foundation