



भारतीय प्रौद्योगिकी संस्थान (भारतीय खान  
विद्यापीठ) धनबाद-826004 (झारखंड), भारत  
Indian Institute of Technology (Indian School of Mines),  
Dhanbad – 826 004 (Jharkhand), India

No. 411002/UC/2023/CP-Dean(F)

06.01.2023

**Recruitment for Uranium Chair in the Department of Mining Engineering at the level of  
Professor**

**IIT (ISM) Dhanbad invites applications/nominations from Indian Nationals for the  
position of Chair Professor (Uranium Chair) created through an endowment by The  
Department of Atomic Energy (DAE).**

**About IIT (ISM), Dhanbad**

Indian Institute of Technology (Indian School of Mines), Dhanbad formerly known as Indian School of Mines, Dhanbad established in 1926 offers 4 yr. B.Tech., 3 yr. M.Sc. Tech., 2 yr. M.Sc., 5 yr. Integrated M.Sc. (Tech.)/M.Tech., 5 yr. Dual Degree (B.Tech. & Tech./MBA), 2 yr. M.B.A., 2 yr. M.Tech., full time and part time Ph.D. courses/programmes in Engineering and Basic/Earth/Social/Applied Sciences, Humanities and Management disciplines.

**IIT (ISM), Dhanbad has:**

- More than nine decades of excellence in Science & Technology
- Well-qualified and dedicated faculty and technical staff.
- Fully residential campus
- Well-equipped hostels with modern facilities, including the internet.
- State-of-art facilities for education and research
- International Internet Gateway

**About the Department of Atomic Energy, Govt. of India**

The Department of Atomic Energy (DAE) is under the direct charge of the Prime Minister through a Presidential Order. DAE has been engaged in the development of nuclear power technology, applications of radiation technologies in the fields of agriculture, medicine, industry and basic research. DAE comprises five research centers, three industrial organizations, five public sector undertakings and three service organizations. It has under its aegis two boards for promoting and funding extra-mural research in nuclear and allied fields, mathematics and a national institute (deemed university). It also supports eight institutes of international repute engaged in research in basic sciences, astronomy, astrophysics, cancer research and education. It also has in its fold an educational society that provides educational facilities for children of DAE employees.

**1) Qualification and Experience:**

- a) Ph.D. with first class or equivalent at the preceding degree in the appropriate branch of engineering with a very good academic record throughout. Minimum 10 years' experience out of which at least 4 years should be at the level of Associate Professor or equivalent post in industrial/ R&D organization.

**Or**

- b) An outstanding Engineer/Technologist working in industry with established reputation and who has made significant contribution to knowledge. Requirement of Ph.D degree in such cases may be relaxed.

**A. Other essential requirements:**

- a. Fifteen papers in SCI/SSCI journal in Career
- b. Three externally funded projects in career
- c. Contribution to Students Affairs or Laboratory Development
- d. Two Ph.D Guided as sole or principal supervisor
- e. Supervising more than three students for Ph.D/Preparing e-learning material/strong liaison with industry/offering significant support to institute management/ High-value projects.
- f. Academic outreach activities equivalent to two self-financed short-term courses/equivalent projects.

**B. Additional Desirable Requirements:**

- a. Acquainted with the latest technological advancement in the relevant area
- b. One or more patents
- c. Starting new PG Courses

**Note:** *The above-stated “Other Essential Requirements” and “Additional Desirable Requirements” are relaxable for candidates possessing significant industry/R&D experience.*

**2. Areas of specialization and Scope of Work:** Exploitation of uranium minerals and underground disposal.

- (a) Exploration and exploitation of atomic mineral resources in general and uranium mineral resource in particular.
- (b) Feasibility studies and planning of underground and opencast mines.
- (c) Technological assessment and absorption of new technology in exploration and exploitation of uranium minerals.
- (d) Ventilation planning for the underground mines to control concentration of radio nuclei in mine air.
- (e) Knowledge gathering and sharing of new technology.
- (f) Actively involved in and lead research in such areas as cost-effective exploration and exploitation of uranium minerals, design of ventilation system and disposal of radioactive substances.
- (g) Close interaction with DAE including visit to mines of UCIL for one week once every three months and at least once in a year to AMD.
- (h) Design, co-ordinate and conduct relevant courses for employees of DAE either at IIT(ISM), Dhanbad or at any of the DAE establishments and
- (i) Take up projects relevant to and assigned by DAE.

**3. Who can apply?**

- (a) Persons from Industry/Academia/Research Institutes/Government Organizations who are in service or have superannuated.
- (b) Persons who are serving as faculty in IIT (ISM), Dhanbad or other Academic Institutions.

#### **4. Nature of Duties:**

- i) Impart education, training and carry out other activities related to Research work;
- ii) The incumbent is expected to promote industry institute interaction and R&D activities.

5. **Nature of Appointment:** Tenure appointment initially for two years and extendable up to five years or up to the age of 70 years, whichever is earlier.

6. **Age:** At the time of appointment the Chair Professor should have a minimum of two years to serve before reaching the maximum age of 70 years.

#### **7. Remuneration:**

Pay and other benefits:

- (a) The "Uranium Chair Professor" will be paid a consolidated monthly salary of Rs. 80,000/- and it will remain fixed during the entire tenure. Besides, Professional Development Allowance (PDA) of Rs.50000/- per annum will also be admissible.
- (b) For the faculty of IIT(ISM): On selection as Chair Professor, their pay would be protected as per GOI rules. Apart from his/her salary and allowances, the candidate will receive a chair honorarium of Rs. 20,000 per month.

#### **8. Other Benefits**

- (a) Accommodation will be provided within IIT (ISM) Campus, depending upon availability and as per entitlement.
- (b) The 'Uranium Chair Professor' will be entitled to avail medical facilities through IIT (ISM) Health Centre for self and spouse.

#### **Notes**

1. Candidate must fill out the online application form at the recruitment portal of IIT(ISM), Dhanbad.
2. Incomplete applications shall be summarily rejected and no communication in this regard shall be entertained.
3. If it is found that the information provided by the candidate is wrong, then his/her candidature will be summarily rejected at any stage of the selection process and even after joining the Institute.
4. Applicants who are employed in Government or Semi-Government Organizations will be required to produce a "NO OBJECTION CERTIFICATE" from their employer at the time of the interview.
5. Certificates and relevant documents should be uploaded along with the application form.

6. Candidates called for interview will be reimbursed train fare in AC 2 Tier/ Air Fare by Economy Class by shortest route within India. Air tickets must be purchased from Balmer Lawrie, Ashoka Travels and Tours, and IRCTC only.
7. A mere fulfillment of minimum qualifications and experience does not entitle a candidate to be shortlisted for the selection process.
8. The Institute reserves the right to reject any or all applications or it may amend any of the clauses as per the order of the competent authority/GOI.
9. The Institute reserves the right to fill or not to fill the posts advertised.
10. The institute reserves the right to cancel the recruitment without assigning any reason.
11. No correspondence whatsoever will be entertained from the candidates regarding postal delays, conduct and result of the interview, and reasons for not being called for interview or selection.
12. Canvassing in any manner may entail the disqualification of the candidature.
13. The candidate is responsible for the correctness of the information provided in the application. If it is found at a later date that any information given in the application is incorrect/false the candidature/appointment is liable to be canceled/terminated.
14. Any legal dispute with regard to the recruitment/selection process will be restricted to the jurisdiction of the Dhanbad court only.
15. The last date for receiving applications against this advertisement is **March 20, 2023**.

#### **How to Apply**

The candidates have to apply in the given format available on the Institute website (<https://people.iitism.ac.in/~download/dfaculty/Application-Form-For-Chair-Professor-Position.docx> ) and send the filled application form with supporting documents and updated CV to [recruitment@iitism.ac.in](mailto:recruitment@iitism.ac.in). No need to send Hard copy.

For any clarification, please contact at the following email ID: [recruitment@iitism.ac.in](mailto:recruitment@iitism.ac.in)

Dean (Faculty)