



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद
धनबाद – 826 004 (झारखण्ड), भारत
Indian Institute of Technology (Indian School of Mines), Dhanbad
Dhanbad – 826 004 (Jharkhand), India

No. 411002/4/2019-Estt

14th Nov. 2019

**SAIL-NMDC CHAIR PROFESSOR IN MINING, MINERAL PROCESSING AND
EXTRACTIVE METALLURGY**

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. & M. 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 internet.
- State-of-art facilities for education and research
- International Internet Gateway

IIT (ISM), Dhanbad invites applications/nominations from Indian Nationals for the position of Chair Professor (SAIL-NMDC Chair) created through an endowment by SAIL & NMDC.

About SAIL

SAIL is India's largest steel producing company. The company is among the nine Mahratanas of the Country's Central Public Sector Enterprises. SAIL has several integrated steel plants, special plants, subsidiaries in different parts of the country. It has been SAIL's endeavour to make quality steel available to every consumer in vicinity.

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The Company manufactures and markets a range of steel products, including hot and cold rolled sheets and coils, galvanized sheets, electrical sheets, railway products, plates, bars and rods, stainless steel and other alloy steels. The Company has several subsidiaries.

About NMDC Limited

NMDC Limited, a mineral producing Navratana Company, is under Administrative control of the Ministry of Steel, Govt. Of India. It is involved in the exploration, mining beneficiation and utilization of iron ore, copper, rock phosphate, limestone, dolomite, gypsum, bentonite, magnesite, diamond, tin, tungsten, graphite and other minerals.

It is India's largest iron ore producer and exporter, producing about 30 million tonnes of iron ore from 3 fully mechanized mine complexes in Chhattisgarh and Karnataka. It also operates the only mechanized diamond mine in the country at Panna in Madhya Pradesh.

1) Qualification and Experience:

A. Essential Qualification

Ph.D. with first class or equivalent at the preceding degree in the appropriate branch of engineering with a very good academic record throughout.

Or

An outstanding Engineer/Technologist, working in industry with established reputation and who has made significant contribution to knowledge but may be without a Ph.D. degree.

B. 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

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C. Additional Desirable Requirements:

- a. One or more patents
- b. Starting new PG Courses

D. Experience

Minimum 10 years' experience of which at least 5 years should be at the level of Associate Professor.

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

2) Areas of specialization: Mining, Mineral Processing, and Extractive Metallurgy. The scope and areas for research and consultancy to be undertaken by the SAIL-NMDC Chair shall also be relevant to the Mining, Iron & Steel Industry and will include.

- i) Geological surveys/prospecting
- ii) Exploration of New areas of mining.
- iii) Technological assessment and absorption of new technology.
- iv) Knowledge sharing of new technology
- v) Research in diverse areas such as mining productivity, mineral beneficiation, competitiveness etc.
- vi) Advances in maintenance engineering in mining operations.
- vii) Assessment and suggestions for improving mine safety standards, environmental issues and other statutory requirements.
- viii) Assessment for up-gradation of material handling.

3) Who can apply:

- (a) Persons from Industry/Academia/Research Institutes/Government Organisations 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: The incumbent is expected to promote industry institute interaction and R&D activities and also share teaching load of the Department.

5) Nature of appointment: Tenure appointment, initially for two years which may be extended further in stages upto 5 years (or) 70 years of age, whichever is earlier.

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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:

(a) The remuneration of 'SAIL-NMDC Chair Professor' shall be fixed as per rules in the pay scale of a Professor in IIT (ISM). However, the salary, emoluments and other entitlements – Leave Salary, PF, Chair Honorarium (Rs. 20,000/- per month) will be payable within the amount accruing at 6.5% interest from Endowment Grant of the Chair. The remuneration including all allowances, perks and grants & honorariums shall be approximately Rs. 16 lakhs per annum.

(b) For the serving faculty of IIT (ISM), Dhanbad or other academic institution on appointment as Chair Professor, the pay and perks should be from the interest accrued at 6.5% on endowment grant, except that if required their pay would be protected as per GOI rules by supplementation from institute fund.

8) Professional Development Allowance (PDA):

A sum of upto 1.00 lakh per annum will be admissible to the SAIL-NMDC Chair Professor as PDA as per rules as existing for other faculty members of the Institute.

9) Other Benefits

(a) Accommodation will be provided within IIT (ISM) Campus, depending upon availability and as per entitlement.

(b) The 'SAIL-NMDC Chair Professor' will be entitled to avail medical facilities through IIT (ISM) Health Centre for self and spouse.

10) **Interested candidates may apply** in the prescribed application form which can be downloaded from website www.iitism.ac.in.

The duly filled in & signed application and supporting documents are to be sent to the Deputy Registrar(Estt.), Admn. Block, Indian Institute of Technology (Indian School of Mines), Dhanbad – 826 004, Jharkhand, India.

11) Candidates called for personal discussion with the Selection Committee will be reimbursed to & fro railway fare limited to AC-2/Air Economy Fare (Air India only) by the shortest route as per rule. No reimbursement of fare from outside India will be admissible. However, reimbursement of fare from the place of disembarkation in India to Dhanbad will be admissible in such cases.

12) Canvassing in any form will disqualify the candidate. Legal disputes with IIT (ISM) are restricted to the jurisdiction of Dhanbad only.

13) Incomplete applications shall be summarily rejected.

14) Last date of receipt of application is 15th January, 2020.

Dean (R&D)