



**NATIONAL INSTITUTE OF FOUNDRY & FORGE
TECHNOLOGY, RANCHI-834003, Jharkhand**
(A Centrally Funded Technical Institute,
under M.H.R.D, Govt. of India)

Advt.No. NIFFT/Estt/Rect./2019/04

FOR RECRUITMENT OF FACULTY POSTS

Important Note :

1. This advertisement is issued after revising the reserved vacancies advertised earlier vide advertisement No.NIFFT/Estt/Rect./2019/01 due to implementation of reservation for EWS. All other matters/aspects have remained unchanged.
2. Application received against Advt. No..NIFFT/Estt/Rect./2019/01 will be considered as such for this advertisement. However, such applicants may also submit fresh application (with application fee) if they so desire. In the later case, their earlier application shall stand cancelled but there will not be refund of fee paid earlier.
3. Cut-off date for considering eligibility will be the last date of respective advertisement against which application have been/will be received.

The National Institute of Foundry and Forge Technology (NIFFT), Ranchi established by Ministry of Human Resources Development (MHRD), Government of India, in Collaboration with UNDP, UNESCO in 1966 at Ranchi Jharkhand, offers B. Tech. degree in Metallurgy and Materials Engineering, and Manufacturing Engineering, M. Tech. degree in Material Science and Engineering, Manufacturing Engineering, Foundry-Forge Technology, and Environmental Engineering, PhD and Advanced Diploma in Foundry Technology and Advanced Diploma in Forge Technology.

The Institute has five departments of studies namely Foundry Technology, Forge Technology, Manufacturing Engineering, Materials and Metallurgical Engineering and Applied Science and Humanities. Students are selected for admission through Joint Entrance Examination (JEE-Main) for B. Tech. course; through Centralized Counselling of M. Tech. (CCMT) for M. Tech courses: through written test and Interview for doctoral and Advanced Diploma courses conducted by NIFFT.

Applications are invited from Indian nationals possessing good academic background along with self-motivation to quality teaching and research for faculty positions at **Assistant Professor** level for the following different departments from all categories (General, SC, ST, OBC & PwD).

Sl No.	Departments
1	Department of Manufacturing Engineering
2	Department of Materials and Metallurgical Engineering
3	Department of Forge Technology
4	Department of Foundry Technology

Applications in **prescribed format** are invited from interested Indian nationals possessing required qualification and/or experience for the following faculty posts.

Sl. No.	Name of the Post	Pay Scale		Number of Vacancies
		Level	Initial Pay (INR)	
1	Assistant Professor	10	57700	Total-22 (Gen-08, OBC-06, EWS-04, SC-03, ST-01)*

*Two (02) post will be reserved for person with bench mark disability (PWD) based on horizontal For details, please visit of the Institute Website “ www.nifft.ac.in”

Notes:

1. Faculty members of the Institute shall have teaching and research as their primary responsibility. However, they shall also exercise such other powers and perform such other duties as may be assigned to them by the Director/BOG or any other authority of the Institute.
2. All faculties are required to stay inside the campus only. In the event of the Institute not being able to provide suitable accommodation inside the campus, they will be permitted to stay outside and HRA will be admissible in that case.
3. All the faculty are eligible to perks & allowance as per Institute/MHRD norms.
4. All qualifications and experience will be considered as on the closing date for receipt of applications.
5. Higher starting pay may be offered to deserving candidates on recommendation of the selection committee.
6. Reservation will be followed as per Government of India Reservation policy applicable to Centrally Funded Technical Institution.
7. Candidates may have to make a presentation before the selection committee.
8. The institute reserves the right to relax the qualification.

Candidates are requested to go through the Qualification and/or Experience and General Information given in the following pages carefully before filling the application.

QUALIFICATIONS AND/OR EXPERIENCES

Sl. No	Name of the Post	Essential qualifications and/or Experience	Desirable Criteria
1	Assistant Professor	<p>Qualifications: B. E. / B. Tech. / B. S. and M. E. / M. Tech. / M. S. or Integrated M. Tech. in relevant branch with first class or equivalent in any one of the degrees. Candidates who have done Ph.D. after the Bachelor's Degree from institution of National importance with GATE shall be eligible for the post of Assistant Professor.</p>	PhD in relevant subject areas

			Experience: 2 years Industrial experience in metal processing/manufacturing Industry
		(* relaxation admissible as per GOI guidelines)	Age limit : Preferably below 35 years

RELEVANT BRANCH AND SPECIALIZATIONS

Relevant Branch and Specializations for the various departments are given below:

Department	Appropriate Branch of Engineering in Bachelor and Master levels	Specialization(s)
Manufacturing Engineering	B. E. / B. Tech. / B. S or equivalent Mechanical Engineering. M. E. / M. Tech. / M. S or equivalent Thermal Engineering/Heat Transfer/Refrigeration and air-conditioning Machine design/Mechanical systems design/Engineering design	1. Thermodynamics/Heat transfer/ Refrigeration and air-conditioning 2. Mechanical System design 3. Computer –aided design and analysis of machine tools 4. Computer-aided modelling and analysis of manufacturing systems and processes 5. Robotics and manufacturing automation 6. MEMS/NEMS/Micro and nano positioning systems 7. Product and process design in manufacturing 8. Additive manufacturing 9. Human-machine interaction and sustainability in product development
Materials and Metallurgical Engineering	B. E. / B. Tech. / B. S or equivalent Metallurgy/Materials and Metallurgical Engineering and Technology M. E. / M. Tech. / M. S or equivalent Metallurgy/Materials and Metallurgical Engineering and Technology.	1. Process metallurgy, Extractive metallurgy, Iron and steel making, Metal forming 2. Degradation of materials, Corrosion Engineering, HTHP corrosion 3. Computational Metallurgy and Computer application in metallurgy and materials science 4. Mechanical Metallurgy, Fracture Mechanics and Failure analysis 5. Characterization of materials
Foundry Technology	B. E. / B. Tech. / B. S or equivalent Materials and Metallurgical Engineering/Mechanical Engineering /Production Engineering /Manufacturing Engineering	1. Iron and steel casting 2. Nonferrous based metals and alloys casting 3. Foundry tooling and methoding, Pattern design and development, 3D solid modelling, 4. Near-net shape casting, Advanced casting techniques (e.g. semisolid casting, squeeze

	M. E. / M. Tech. / M. S or equivalent Materials and Metallurgical Engineering/Mechanical Engineering /Production Engineering /Manufacturing Engineering	casting, composite casting, spray forming, etc.), high pressure molding, Nano-composite, Ultrasonic processing of alloy and metal-matrix nano-composites 5. Numerical modelling of foundry processes, IOT applications in Foundry, Computational fluid dynamics and heat transfer. 6. Rapid Solidification, Bulk metallic glass, Nano-crystalline materials, Additive manufacturing
Forge Technology	B. E. / B. Tech. / B. S or equivalent Materials and Metallurgical Engineering/Mechanical Engineering /Production/Manufacturing Engineering / Industrial Engineering M. E. / M. Tech. / M. S or equivalent Materials and Metallurgical Engineering/Mechanical Engineering /Production Engineering /Manufacturing Engineering / Industrial Engineering	1. Mechanical Metallurgy 2. Heat Treatment Technology 3. Deformation of ferrous/non-ferrous materials 4. Severe plastic deformation 5. Near net-shape processing (related to forging) 6. Robotics and automation in metal forming 7. Modelling and simulation of metal forming (specially forging)

GENERAL INFORMATIONS

1. Mere fulfilment of the above mentioned qualification & experience does not entitle a candidate to be called for interview. Institute will further make the criteria on the recommendations of the duly constituted Committee to arrive at a reasonable number of candidates, to be called for interview for each department, through short listing in one or multiple stages.
2. Separate applications must be submitted if a candidate is applying for more than one post and in more than one department.
3. Candidates already in service should send their applications through proper channel or should submit NOC from their employer at the time of interview. However, an advance copy along with required fee/certificates / detailed marks sheets / documents etc. may be sent directly.
4. A Demand Draft of Rs 500/-, drawn in favour of "NIFFT, Ranchi" from any nationalized bank payable at Ranchi for each application (50% in case of SC / ST & fully exempted for women & PwD candidates).
5. Reservation policy will be applicable as per the MHRD (Govt. of India) norms/rules. For availing reservation, the category certificate must be submitted in GOI format along with application.
6. Disability Certificate in the prescribed format issued by the Competent Medical Board should be attached by the candidates applying against PWD posts.
7. The **age of retirement is 65 years** for all posts as per present Rule.
8. Preference will be given to candidate who have one of the degrees from a premier Institutes of India viz, IITs, IISc, JNU or any other Institute of National Importance Research experience in an organization of repute outside / inside India and /or independent research guidance / research project. Industrial experience in the field of Manufacturing and Metallurgical Industries.
9. No correspondence, whatsoever, will be entertained from the candidates regarding postal delays, conduct and result of Interview and reasons for not being called for Interview or selection.
10. The Institute reserves the right to
 - a) To cancel the advertisement without any prior notice and without assigning any reason.
 - b) To either full up all the posts or some of the posts or none of them without assigning any reason.
 - c) To cancel the process of recruitment at any stage without assigning or clarifying any reason.

The decision of the Institute in all matters will be final. No correspondence/interim inquiries will be entertained from the candidates in connection with the process of selection/interview. Any dispute with regard to the selection/recruitment process will be subject to Courts/Tribunals having jurisdiction over Ranchi only.

11. a) Last date of receipt of application 06.01.2020.
b) For candidates in remote location 20.01.2020 (NE Region, Andaman & Nikobar) etc..
12. All further information regarding the recruitment like Scheme and Schedule of Written Test and/or Interview, etc. will be provided through the Institute website only. The Institute will not be responsible in any manner if a candidate fails to visit/access the website in time. Candidates are requested to regularly visit the Institute website i.e., www.nifft.ac.in for updated information regarding the recruitment.
13. **How to apply**

- a) Download the application form from the institute website. Using application forms from any other source is acceptable if the same is exactly as per the prescribed format.
- b) Fill the application form in **CAPITAL letters** and take a print-out on white **A4 size paper on single side** only. Put your signature in all required places.
- c) Attach self-attested photocopies of documents as mentioned in the form. Write your name, post applied and mobile number on back side of the Demand Draft.
- d) Put everything neatly inside a good quality envelope and close the envelope by gum or adhesive tape (**don't use stapler-pin**). Write the name of the post applied for and Department at the top-left corner of the envelope.
- e) All applications are to be sent to the following address:

**THE DIRECTOR,
NATIONAL INSTITUTE OF FOUNDRY & FORGE TECHNOLOGY (NIFFT)
HATIA, RANCHI – 834 003**

13. Rejection of application form

- a) Application form not in prescribed format/Incomplete/erroneous
- b) Application form without fee.
- c) Application form received after last date
- d) Application form without copies of relevant documents (proof of age, qualification, experience certificate in support of reservation etc.)
- e) Application containing **incorrect information or suppression of information**. Even if found at a later stage also the candidate is liable to be dismissed.
- f) Application not routed through proper channel or not submitted NOC from their employer at the time of interview (In case of delay in routing the application through proper channel, **advance copy** may be submitted so as to reach before the due date).

**Sd/-
Registrar**