

**INDIAN INSTITUTE OF TECHNOLOGY PATNA  
BIHTA PATNA-801106  
RESEARCH & DEVELOPMENT UNIT**

**ADVERTISEMENT NO: R&D/412/AISTDF/170**

**DATED: June 23, 2020**

Project No. **AISTDF 412**

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

**1. (a) Name of the temporary assignment** : Junior Research Fellow (JRF) or Senior Research Fellow (SRF)

**(b) Number of Post** : One (01)

**(c) Duration of the Post** : Up to 08.10.2021

**2. Name of the temporary research project:** Effect of cyclic creep in rolling contact fatigue of railways

**3. Name of the sponsoring Agency** : AISTDF, Science and Engineering Research Board (SERB)

**4. Fellowship/Salary** : Rs. 31,000/- plus 8% HRA for the JRF, and Rs. 35,000/- plus 8% HRA for SRF

**5. Qualifications & Experience**

**For SRF:** BE/B.Tech in Mechanical/Metallurgy or equivalent, in addition, ME/M. Tech in Mechanical/Metallurgy and two years research experience in relevant field.

**For JRF:** BE/B.Tech in Mechanical/Metallurgy or equivalent, in addition, valid GATE score or ME/M. Tech in Mechanical/Metallurgy or equivalent, or equivalent research experience as per GoI rule.

The candidate desirably should have BE/B.Tech or ME/M.Tech degree with a minimum CPI of 6.5 or 60% of marks. The upper age limit for applying for the SRF/JRF position shall be 28 years for BE/B.Tech, 32 years ME/M.Tech, Upper limit is 35 Years for experienced candidate. Relaxations for SC/ST/OBC/women/PD will be given as per the GOI rule. Working/research experience in the field of rolling contact fatigue, fatigue and fracture, finite element simulation, or relevant areas will be given preference.

**Online WRITTEN TEST and WALK-IN INTERVIEW** are scheduled on 7<sup>th</sup> & 8<sup>th</sup> July 2020.

Online selection process will be done to maintain the safety of appearing candidates and IIT Patna personnel due to the current pandemic situation.

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**Description of the ONLINE MODE of the selection process:**

**Date of ONLINE TEST: 7<sup>th</sup> July 2020**

**Date of ONLINE INTERVIEW: 7<sup>th</sup> July 2020 (only for those who clear the online test.**

**8<sup>th</sup> July 2020 has been kept as the reserve day in case of  
large number of applicants.**

**Application procedure to be followed:**

1. Candidates interested in this position and satisfying the qualification criteria should write an email to the project investigator Dr. Surajit Kumar Paul, Dept. of Mechanical Engineering, IIT Patna (Email IDs: [surajit@iitp.ac.in](mailto:surajit@iitp.ac.in) and [surajitpaul2009@gmail.com](mailto:surajitpaul2009@gmail.com)).
2. The **subject of the email** should read as “*JRF/SRF Position AISTDF 2020*”. The last date for receiving this email is 3<sup>rd</sup> July.
3. The email should clearly express the interest in appearing for the ONLINE mode of selection process scheduled on **7<sup>th</sup> July -8<sup>th</sup> July 2020**. It is the responsibility of the applicant to ensure that they have a reliable internet connectivity on these dates.
4. The email **MUST** include the **scanned/pdf copy of duly filled application form** (see attached word document) with applicant’s signature.
5. The email **MUST** include **scanned/pdf copy of all supporting documents** (certificates, mark-sheets, GATE scorecard, and degrees).
6. IIT Patna reserves the right to not shortlist any candidate in case the email does not contain complete information backed up by supporting documents as listed above.

All candidates who express interest via email by **3<sup>rd</sup> July 2020 (deadline)** and are found eligible will be informed regarding the further details of ONLINE selection process via email by **5<sup>th</sup> July 2020**. Applicants may meanwhile also contact Dr. Surajit Kumar Paul for further details on the research going in the Deformation and Damage Laboratory (DDL), IITP.

**Deputy Registrar**

Copy to:

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file

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**PROJECT CODE: R&D/SP/ME/AISTDF/2019-20/412**

**ADVT NO: R&D/412/AISTDF/170**

**DATED: June 23, 2020**

**APPLICATION FORM FOR JRF in the Dept. of Mechanical Engineering at IIT Patna**

**NAME IN CAPITAL:** \_\_\_\_\_

**Date of Birth:** \_\_\_\_\_ [dd/mm/yy]

**PHONE NUMBER:** \_\_\_\_\_

**GMAIL ID:** \_\_\_\_\_ [required]

**ALTERNATE EMAIL ID:** \_\_\_\_\_

**POSTAL ADDRESS:** \_\_\_\_\_  
 \_\_\_\_\_ **PIN** \_\_\_\_\_

**CASTE CATEGORY:** \_\_\_\_\_ [General/OBC/SC/ST]

**GATE/NET/Other Fellowship Examination** \_\_\_\_\_ [choose correct option]

**GATE Score Card:** \_\_\_\_\_ **Year of Qualification:** \_\_\_\_\_

**Valid up to:** \_\_\_\_\_ **Scorecard attached with email: YES/NO**

<b>Educational Qualification</b>				
<b>Institute/ Board</b>	<b>Exam Passed</b>	<b>Year of Passing</b>	<b>% of Marks/CPI</b>	<b>Certificate/degree attached</b>
	10 <sup>th</sup> Class			YES/NO
	12 <sup>th</sup> Class			YES/NO
	Bachelors (B.Tech/B.E.) or equivalent			YES/NO
	Masters (M.Tech/M.E) or equivalent			YES/NO

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<b>Professional Experience</b>		
<b>Organization</b>	<b>Position Held</b>	<b>Nature of Work</b>

<b>Other Achievements</b>

**Declaration:**

- I certify that all information provided above is correct to the best of my knowledge and backed up by original certificate/degrees. IIT Patna reserves the right to disqualify in case of any misinformation or missing information.*
- I understand that the online mode of selection process has been chosen keeping in mind the current pandemic situation. It is my responsibility to ensure that I have a reliable internet connection on 25<sup>th</sup>-26<sup>th</sup> June, failing which IIT Patna will not be liable to change the dates of the selection process.*

Name and Signature of the Applicant

Date:

Place: