



Department of Civil Engineering
National Institute of Technology Karnataka
Surathkal, Mangalore – 575025, India



Advertisement No: NITK/CED//2020/1562

Dated: 01/01/2021

Advertisement for Junior Research Fellow (JRF)

Ref. No: 613/NITK/CIVIL/SERB/B.C./2020-21/A9

Applications are invited from the interested candidates (Indian National) for the post of Junior Research Fellow (JRF) to work on the Research and Development (R&D) project titled “**Development of Countermeasures to Mitigate Earthquake-induced Damage of RM Breakwater**” funded by Science and Engineering Research Board (SERB), New Delhi. The appointment will be **purely temporary** for a period maximum up to 31st October, 2022. Details are given as below:

Sl. No.	Position	Area of Specialisation	Maximum Duration	Consolidated Salary per month	Number of Positions
1	Junior Research Fellow (JRF)	Geotechnical Engineering/Ocean Engineering	Up to 31 st October, 2022 (up to the termination of the project)	Rs. 31,000/- + HRA*	One (01)

**HRA or hostel accommodation will be provided as per availability of fund/SERB rule/availability of hostel room*

Brief of the R&D project

Project Title	Development of Countermeasures to Mitigate Earthquake-induced Damage of RM Breakwater
Funding Agency	Science and Engineering Research Board (SERB), New Delhi
Principal Investigator (PI)	Dr. Babloo Chaudhary, Dept. of Civil Engg., NITK Surathkal
Detail of the Project	<p>Rubble Mound (RM) Breakwater is a coastal defence structure, which is constructed on the seabed to protect the port and harbour from destructive effects of sea waves, currents and even tsunamis. But, during past earthquakes, it was observed that the breakwaters are vulnerable to the earthquakes. Therefore, it is very important to develop countermeasure for the breakwater in order to mitigate the earthquake-induced damage of the breakwater.</p> <p>In the project, new countermeasures are proposed by the PI to make RM breakwater resilient against the damage caused by an earthquake. The main objective of the research project is to examine the effectiveness of the proposed countermeasures by conducting physical model tests and numerical simulations. As a part of physical model tests, a series of shaking table tests will be performed. In addition, numerical simulation will be done by geotechnical software, PLAXIS/FLAC, to make clear the mechanism.</p>



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Information for the Position of JRF

Essential Qualifications:	<ul style="list-style-type: none">▪ B.E/B.Tech. (Civil Engineering) and M.E/M.Tech. in Geotechnical Engineering (or related areas). Candidates must have at least 60% (CGPA 6.5/10) marks in aggregate from a recognized technical institute or university as a full-time program.▪ Candidate should have qualified GATE at least once in his academic career.
Desirable Qualification	Candidate must be able to work independently and flexibly. The following will be desirable qualities. <ul style="list-style-type: none">(i) Experience of conducting tests or physical model tests in lab.(ii) Ability to carry out numerical simulation by Geotech Software/PLAXIS/FLAC.(iii) Good communication and writing skills
Age Limit	32 Years or as per SERB rules (Age relaxation as per GOI rule).
Last date for receipt of the application	30th January 2021

Application Process:

Interested candidates may apply in the prescribed format along with CV, photo copies of relevant certificates, grade/mark sheets, publications etc. They need to send the scanned copy of below mentioned documents.

- (i) Cover letter
- (ii) Duly filled application form in the prescribed format with passport-size photograph,
- (iii) Bio-data/Resume
- (iv) Educational certificates and mark sheets (class X onwards)
- (v) GATE qualified certificate and
- (vi) Proof for research experience, publications, special achievements and patents, if any.

Interested candidates must apply online with the following Google form link <https://forms.gle/qU24a8fxF1nZjEXN9>

All the documents along with duly filled application form in the prescribed format must be uploaded as a single PDF file in the Google form link given above.

In addition, soft copies of all the documents along with duly filled application form in the prescribed format must be sent to the Principal Investigator as a single PDF file by email to the email ID: babloo@nitk.edu.in on or before 30th January 2021 and hard copies of all the documents should be send to the address for correspondence (given below).

Correspondence Address:

Dr. Babloo Chaudhary
Assistant Professor,
Department of Civil Engineering,
National Institute of Technology Karnataka (NITK), Surathkal,
P.O. Srinivasnagar, Mangalore – 575 025. Karnataka, India.
Mobile: 8724041225, Office Phone: 0824-2473978
E-mail ID: babloo@nitk.edu.in



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Additional Information:

1. **The shortlisted candidates will be informed by email/post/phone.** Most probably it will be an online interview. The online interview is most likely to be held during **First week of February 2021.** The position will be **available immediately.**
 2. Selection will be based on qualification, interview and relevant experience.
 3. Selected candidates will be required to join immediately or as soon as possible (on mutual consent between PI and candidate).
 4. Candidates before appearing for the interview shall ensure that they are eligible for the position, they intend to apply. The date of interview (online interview) will be communicated to the shortlisted candidates by email/phone/post. Please note that no TA/DA is admissible for attending the interview. No any extra payment will be provided if the interview will be conducted in online mode.
 5. Candidates who are already employed should produce relieving certificate from their employers, if selected.
 6. The appointment will be on a purely temporary basis co-terminus with the project. The selection committee decision will be final. The duration of the post is up to 31st October 2022 (approx. 21 months) or up to the termination of project, subjected to performance review time to time.
 7. Merely fulfilling the eligibility requirement does not guarantee shortlisting for interview; additional criteria may be imposed for shortlisting. NITK Surathkal reserves the right to reject any or all the application without assigning any reasons thereof.
 8. In future, JRF may get PhD admission in fulfilling admission criteria of NITK Surathkal. However, PhD position is not guaranteed.
 9. For any further information and clarification, candidates can contact Principal Investigator on the address given for correspondence.
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APPLICATION FOR THE POST OF JUNIOR RESEARCH FELLOW (JRF)

<u>For Office Use:</u>	Paste your recent Passport size photo
Serial Number:	
Eligible for Written exam/Interview: Yes / No	
Verified the Certificates:	

Post Applied for ***Junior Research Fellow (JRF)***

1. Name of the Candidate: (Block Letters)	
2(a). Father's Name:	
2(a). Mother's Name:	
3(a). Date of Birth:	3(b). Nationality:
3(c). Sex: Male/Female/other	3(d). Marital Status: Married/Single
3(e). Category (Open/OBC/SC/ST/PWD):	
3(f) Age on 01.01.2021(in Years):	

4. Address for Communication:

(i) Address for communication:	
(ii) Mobile No:	
(iii) Email ID:	

5(a). Educational Qualifications (Attach self-attested copies of all certificates)

Name of Exam Passed	Discipline/ Specialization	Board/ University/	Name of Institute/ College	Marks/ CGPA	Year of Passing
X					
XII					
B.E./B.Tech					
M.E/M.Tech					
PhD					
Other					



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Exam	Qualified	Marks obtained/Total marks	Rank	Year
GATE	Yes / No			

*Attach self-attested copies of all certificates.

5(b). B.Tech/M.Tech Project Titles

B. Tech Project Titles	
M. Tech Project Titles	

6. Work/Research Experience (if yes, describe it in 200 words in a additional sheet)

Organization	Designation	Duration (Year)	Responsibilities

7. Number of Publications (Attach a separate list of publications with full details, if required):

National	International

8. Workshop/Training programs attended (Attach a separate sheet, if required):

S. No.	Details

9. Other Achievements (Attach a separate sheet, if required):

S. No.	Details



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10. Contact Details of Two Referees:

Particulars	Referee I	Referee II
Name		
Designation :		
Organization:		
Office Address :		
Contact Number:		
Email ID:		

11. Declaration: I hereby declare that I have carefully read the instructions and particulars supplied to me and that the entries made in this application form are correct to the best of my knowledge and belief. I understand that, if the provided information will be found incorrect, I may be disallowed to appear in the interview/test or terminated at any stage even after selection. If selected for the post, I promise to abide by the rules and discipline of the Institute and SERB. I note that the decision of the Institute is final in regard to selection for the post and assignment to a particular Department and field of study. The Institute shall have the right to expel me from the Institute at any time after my admission, provided it is satisfied that I was admitted on false particulars furnished by me or my antecedents prove that my continuance in the Institute is not desirable. Further, if my performance is found not satisfactory, my service can be terminated at any stage. Moreover, my service can be terminated at any stage due to shortage of fund or any other reason(s). I agree that I shall abide by the decision of the Institute, which shall be final.

Date:

Place:

Signature of the Candidate

Note: Attach the list of enclosures along with the application.

NOTE: The envelope containing the application should be super scribed as,

“Application for the position of JRF under SERB project”

on

**“Development of Countermeasures to Mitigate Earthquake-induced
Damage of RM Breakwater”.**