



राष्ट्रीय प्रौद्योगिकी संस्थान, दुर्गापुर
NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR
MAHATMA GANDHI AVENUE, DURGAPUR-713209
West Bengal, INDIA, www.nitdgp.ac.in \

(An Autonomous Institution of the Govt. of India under MHRD)

Dated: 30/12/2021

Advertisement for the post of Junior Research Fellow (JRF) and One Master roll worker

Project Title: Nanotechnological intervention on jute-geotextile to adapt long term sustainability and enhanced durability for its cost-effective and wide application in flexible pavement systems

Funding Agency: National Jute Board, Government of India.

Project Registration No.: NITD/SRCC/SP/CE/2021/16

Duration: 3 years

Project Objectives:

- i. Chemically modification of conventional jute geotextile (JGT) materials to enhance its durability (with a target of additional 3 years w.r.t present scenario with target efficacy of 80%) and tensile strength properties.
- ii. Performance study of the treated JGT as reinforcing layer over the soil sub-grade in flexible pavement system under repeated wheel load
- iii. Development of protocols on the application of JGT as geo-material in pavement construction based on experimental and numerical modelling
- iv. Economic analysis for pavement construction and lifelong study on overlying the JGT treated soil subgrade

Qualification for JRF:

Name and Number of the post	Eligibility Criteria	Duration	Fellowship
Junior Research Fellow (JRF) No of the Post: One (01)	M.E./M.Tech in Geotechnical Engineering/ Environmental Engineering with minimum 6.5 CGPA or 60% marks from any recognized Institute/University.	One year. Extendable up to approximately 3 years, subject to funding and satisfactory performance	Rs. 31,000/- +HRA @ 16 % per month for the fellowship period <i>on as per institute norms as applicable.</i>
Master roll worker No of the Post: One (01)	B.Sc. and five years' experience in working in a geotechnical laboratory at a reputed engineering college	One year. Extendable up to approximately 3 years, subject to funding and satisfactory performance	Rs. 20,000/- per month for the fellowship period

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How to Apply:


The eligible and interested candidates are encouraged to apply for the Online interview by sending a cover letter and their complete bio-data, mentioning relevant research experience (if any) to the Principal Investigator e-mail ID (supriya.pal@ce.nitdgp.ac.in) and subject of the mail should mention "**Application for the post of JRF in NJB flexible pavement systems**" or "**Application for the post of Master roll worker in NJB flexible pavement systems**" as applicable, on or before 14th January, 2022.

Mode of Selection:

The short-listed candidates will be notified through email and the selection interview will be conducted through online.

Terms and Conditions:

1. Applications reaching after specified time may not ordinarily be entertained.
2. Canvassing in any form will disqualify the candidature.
3. The selected candidate is expected to join immediately after recruitment.
4. The selected candidate may have to work outside the normal working hours and normal working days without additional incentives.
5. Selected candidate will produce the original ID proof, the original mark-sheets, certificates etc. at the time of joining, otherwise his/her candidature will be rejected.
6. Other terms and condition will be as per those of NIT Durgapur.


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