

इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली
हौज खास, नई दिल्ली -110016
(औद्योगिक अनुसंधान एवं विकास इकाई)
INDIAN INSTITUTE OF TECHNOLOGY DELHI
Hauz Khas, New Delhi-110016
(Industrial Research & Development Unit)

No. IITD/IRD/RP03925G/343153

Dated: 11/08/2021

Advertisement No.: IITD/IRD/131/2021

Applications from Indian nationals are invited for Project Appointment under the following project. Appointment shall be on contractual basis with consolidated pay, renewable yearly or upto the duration of the project whichever is earlier. Initially appointment shall be for 6 Months and can be extendable by few more months depending on the extension of the project.

Project theme: The aim of the project is to develop brake-pads from the synthesized resins in the laboratory and to characterize the brake-pads for various performance properties including Brake-Dynamometer testing. The candidate must have detailed knowledge of polymer-composites, molding of composite-brake-pads and dynamometer operation, analysis of results. Nature of work: New resins will be supplied by collaborating Institute. SRF is expected to develop the brake-pads, evaluate the performance of brake-pads.

Title of the Project	Synthesis and exploration of Polybenzoxazines (PBZs) resins as an alternative to traditional phenolic resin in friction materials A possible breakthrough (RP03925G)	
Funding Agency	Science and Engineering Research Board (SERB)	
Name of the Project Investigator	Prof. (Ms.) Jayashree Bijwe	
Deptt./Centre	Centre for Automotive Research & Tribology (CART) / ITMMEC	
Duration of the Project	Upto:08/03/2022	
Post (s)	Consolidated Pay-slab / Fellowship	Qualifications
Sr. Research Fellow (1)	Rs.35,000/- p.m. (consolidated)	Essential- M.Tech./M.E., B.Tech./B.E. or equivalent degrees, both in polymer Engineering /Technology with 1 st class in both the levels with NET/GATE* qualification with two years of research experience. Desirable- At least two years of post-M Tech-research experience, as evidenced from published papers in standard refereed journals. The candidate should have good analytical skills and familiarity with polymer composite molding along with hands-on experience on operating on Brake Dynamometer. At least two papers published in any of these two areas in the reputed journal will be an added advantage. *The requirement of NET/GATE examination for the selection to the post of SRF may be relaxed for the candidates who have post-graduated from Centrally Funded Technical Institutes (CFTIs) with a CGPA of more than 8.000 (80% aggregate marks).

The candidates who are interested to apply for the above post should download **Form No. IRD/REC-4** from the IRD Website (<http://ird.iitd.ac.in/rec>) of IIT Delhi and submit the duly filled form with complete information regarding educational qualifications indicating percentage of marks/division, details of work / research experience, publications, name, affiliation etc. **by e-mail with advertisement No. on the subject line to Prof. (Ms.) Jayashree Bijwe at email id: jbijwe@gmail.com**

IIT Delhi reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying advertised qualification and requirement of the project post and their name will be displayed on web link (<http://ird.iitd.ac.in/shortlisted>) along with the online interview details. Only short-listed candidates will be informed for online interview. 5% relaxation of marks may be granted to the SC/ST Candidates. In case of selection of a retired/superannuated government employee, his/her salary will be fixed as per prevailing IRD norms. अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है. **The last date for submitting the completed applications by email is 25/08/2021 by 5.00 p.m.** In case any clarification is required on eligibility regarding the above post, the candidate **may contact Prof. (Ms.) Jayashree Bijwe at email id: jbijwe@gmail.com**


सहायक कुलसचिव, आईआरडी

वितरण

- Head of the Deptt./Centres/Units : It is requested that the contents of the Above Advt. be brought to the notice of the staff working in your Deptt./Centre/Unit
- Webmaster, IRD : To put advertisement at IITD website.
- Notice Boards
- Advertisement file
- Prof. (Ms.) Jayashree Bijwe, PI, CART / ITMMEC
- Copy to Chairperson, DRC/CRC
- Dr. Harshita Bhatnagar, RD Coordinator, (R&D) Wing

