



**INDIAN INSTITUTE OF TECHNOLOGY PATNA
BIHTA PATNA-801106
RESEARCH & DEVELOPMENT (R&D) UNIT**

ADVERTISEMENT NO: R&D/507/SERB/183

DATED : 27.01.2021

Applications are invited in the prescribed format only for a research project funded PhD position in the Department of Metallurgical and Materials Engineering, IIT Patna.

1. (a) Name of the temporary assignment : PhD position funded through project -JRF.
(b) Number of Post : One
(c) Duration of Post : Two years initially followed by extension subject to satisfactory performance
2. Name of the temporary research project : Graphene Based Membrane for Water Desalination with Improved Properties
3. Name of the sponsoring Agency : Science and Engineering Research Board (SERB)
4. Consolidated Fellowship : Rs. 31,000/- plus HRA as per GoI rule. for first two years followed by Rs. 35,000/- plus HRA as per GoI rules (subject to satisfactory performance)

5. Qualifications & Experience:

- a) For candidates with M.Tech./ME/MS as qualifying degree in Metallurgy, Ceramic, Polymer/Plastic, Mechanical, Chemical Technology, Rubber Technology, Nanotechnology, Materials Science/Engineering, Steel Technology, Process Metallurgy, Welding Engineering, Industrial Metallurgy, Surface Science/Engineering: first class (minimum 65% marks or 7.0 CPI) in M.Tech./ME/MS with GATE/NET qualifications and first class (minimum 60% marks or 6.5 CPI) in B.Tech./BE, 12th and 10th class.
- b) For candidates with B. Tech./BE as qualifying degree in the following selected disciplines (Metallurgy, Ceramic, Polymer/Plastic, Mechanical, Chemical Technology, Nanotechnology, Materials Science/Engineering, Physics and Chemistry), 75% marks or 8.0 CPI in B.Tech./BE from institutes other than IITs/IISc and 7.0 CPI in B.Tech. from IITs and IISc with valid GATE score and first class (minimum 60% marks or 6.5 CPI) in 12th and 10th class.
- c) The age should not exceed 28 years for a candidate with BE/B.Tech/M.Sc. degree as the highest qualification and 32 years for a candidate with ME/M.Tech/MS degree as the highest qualification.
- d) Relaxations for SC/ST/OBC/women/PD will be given as per the GoI rules.

Working/research experience in the field of Ceramic/metal composites, Nanocomposites, Environmental engineering, Composite fabrication techniques, Microstructure and Phase analysis, Mechanical and Tribological characterization will be given preference.



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1. Candidates interested in this position and satisfying the qualification criteria should write an email to the project investigator Dr. Anup Kumar Keshri, Department of Metallurgical and Materials Engineering, IIT Patna (Email IDs: anup@iitp.ac.in, anup.kumar.keshri@gmail.com).
2. The subject of the email should read as “PhD Position SERB-507”. The last date for receiving this email is 10th February 2021.
3. The email MUST include the scanned/pdf copy of duly filled application form (see below) with applicant’s signature.
4. The email MUST include self-attested scanned pdf copy of all supporting documents (degree certificates, mark-sheets, GATE scorecard, and category certificate, if applicable).
5. The application should also include a brief Academic CV not exceeding two page.

IIT Patna reserves the right to not shortlist any candidate in case the application email does not contain complete information backed up by supporting documents as listed above.

All candidates who apply via email by 10th February 2021 (deadline) and are shortlisted will be informed regarding the further details by 13th February 2021.

Date of ONLINE Interview: 15th February 2021. It is the responsibility of the applicant to ensure that they have reliable internet connectivity on the date of online interview.

Deputy Registrar

Copy to:

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



Form No: RD-S2 (B)

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R&D/SP/MME/SERB/2020-21/507

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FORMAT OF APPLICATION FOR “PHD POSITION FUNDED THROUGH PROJECT - JRF”

Name & Address Including email id and Phone no. (for Correspondence)		Category (GEN/OBC/SC/ST/ PD)	DOB dd/ mm/yy	Professional Exam. (GATE/CSIR- NET, etc) & Validity
NAME IN CAPITAL Address: Phone: Email:				
Educational Qualification				
Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI	
	10 th Class			
	12 th Class			
	B.Sc or equivalent			
	M.Sc or equivalent			

Qualifying degree	Degree/ major/Specialization
B.Sc.	
M.Sc.	
Others	

Signature of applicant

Date:
Place: