

**इंडियन इंस्टीट्यूट ऑफ टेक्नोलॉजी दिल्ली**  
**हौज खास, नई दिल्ली -110016**  
**(औद्योगिक अनुसंधान एवं विकास इकाई)**  
**Indian Institute of Technology Delhi**  
**Industrial Research & Development Unit**  
**Hauz Khas, New Delhi -110016**

No. IITD/IRD/RP05033G/

418504

Dated: 27/06/2025

**Advertisement No.: IITD/IRD/158/2025**

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. निम्नलिखित परियोजना के तहत भारतीय नागरिकों से आवेदन आमंत्रित किए जाते हैं। अपॉइंटमेंट, अनुबंधित आधार पर समेकित वेतन, नवीकरणीय वार्षिक या परियोजना की अवधि तक, जो भी पहले हो, के साथ होगा.

Title of the Project	A high-resolution computational model of shock and detonation wave induced combustions of Dodecane droplets in Rotating Detonation Engines. (RP05033G)	
Funding Agency	Anusandhan National Research Foundation, Science and Engineering Research Board	
Name of the Project Investigator	Prof. Pratik Das [email ID: pdas@iitd.ac.in]	
Deptt./ Centre	Dept. of Mechanical Engineering	
Duration of the Project	Upto: 03/06/2028	
Post (s)	Consolidated fellowship / Pay-slab	Qualifications
Jr. Research Fellow (01)	Rs.37,000/-p.m. plus HRA @ 27%	<p><b>Qualification:</b> 1st class M.Tech./ME in Mechanical/Aerospace Engineering with specialization in thermo-fluid/propulsion/aerodynamics or related subjects with-NET/GATE OR 1st class B.Tech./BE in Mechanical/Aerospace Engineering with NET/GATE. Experience with computational fluid dynamics and compressible flows is desirable.</p> <p>*The requirement of NET/GATE examination for the selection to the post of JRF may be relaxed for the candidates who have graduated from Centrally Funded Technical Institutes (CFTIs) with CGPA of more than 8.000 (80% aggregate marks).</p>

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 experience etc. by e-mail with advertisement No. on the subject line to Prof. Pratik Das at email id: [pdas@iitd.ac.in](mailto:pdas@iitd.ac.in)

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>) alongwith the online interview details. Only short-listed candidates will be informed for online interview. In case any clarification is required on eligibility regarding the above post, the candidate may contact to Prof. Pratik Das at email id: [pdas@iitd.ac.in](mailto:pdas@iitd.ac.in)

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. **The last date for submitting the completed applications by e-mail is 14/07/2025 by 5.00 p.m.** अनुसूचित जाति / अनुसूचित जनजाति के उम्मीदवारों को अंकों की 5% छूट दी जा सकती है. एक सेवानिवृत्त सरकारी कर्मचारी के चयन के मामले में उसका वेतन वर्तमान आईआरडी मानदंडों के अनुसार तय किया जाएगा।

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27/06/2025  
उप कुलसचिव, आईआरडी

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