



**TATA INSTITUTE OF FUNDAMENTAL RESEARCH**  
National Centre of the Government of India for Nuclear Science and Mathematics and  
a Deemed University

Homi Bhabha Road, Colaba, Mumbai 400 005

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## Advertisement No. 2024/8

Applications are invited for one position of Junior Research Fellow to work for the SERB Project "Extraction of High Purity Oxygen from The Waste Gas Recovery of Existing Liquid Nitrogen Plant". (PI: Dr. K V Srinivasan) in the Department of Low Temperature Facility (L.T.F.) TIFR, Mumbai.

Post	Qualification	Job Requirement	Age Limit And Fellowship	Nature & Period of Post
<b>Junior Research Fellow (J.R.F.)</b>	<p><b>Essential:</b></p> <ul style="list-style-type: none"> <li>B.E / B.Tech in Mechanical Engineering discipline with minimum 60% marks.</li> <li>Qualified in any national level test such as NET, GATE JEST or Entry test of IISC, TIFR, IISER etc.</li> </ul> <p><b>Desirable:</b> M.E / M.Tech in Cryogenic / Thermal Engineering.</p> <p><b>Experience:</b></p> <ul style="list-style-type: none"> <li>1-2 years in Research or industrial experience.</li> <li>Additional knowledge in the field Instrumentation will be an added advantage.</li> </ul>	<p>The J.R.F. will be involved in the various tasks of this project, in</p> <ul style="list-style-type: none"> <li>Design, analysis and development of LOX extraction using cryogenic distillation method.</li> <li>Development of Instrumentation / D.A.Q. and related electronics for this system.</li> <li>Testing and experimental validation.</li> </ul>	<p><b>Age:</b> Preferably below 28 years on date 01.03.2024</p> <p><b>Fellowship:</b> Rs.31000/- (JRF) + HRA as admissible.</p>	<p>Temporary appointment for a period of one year with a possibility of extension for (approx.) six more months.</p> <p>The extension is subject to the satisfactory performance.</p>

Send a detailed CV including educational qualifications (in the format given below), additional qualifications like P.G. degree, qualifying national level entrance tests, publications, awards; a one page write up of research/work experience (a brief write up of one page). CV should include date of birth, present affiliation and occupation, address, contact number, and email I.D. Also, give name and address of two referees, who are familiar with your recent academic activities/progress.

Degree	Year	University	Subjects	Marks Obtained Class / Division	Remarks
S.S.C.					
H.S.C.					
B.E./B.Tech					
ME / MTech					
Other Qualifications					

**LAST DATE FOR RECEIPT OF APPLICATIONS IS April 15, 2024**

Send the application to Dr. K V Srinivasan via email to [kvsrini@tifr.res.in](mailto:kvsrini@tifr.res.in) with subject line as "Application for J.R.F. position". Recommendation letters should be sent by referees directly to the same email address.