



# International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI)

An Autonomous R&D Centre of Department of Science & Technology, Govt. of India

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**Advt. No. ARCI/HRD/Fellowships/1/2024**

**Walk-in Interviews for  
Research Fellowships and Project Staff Positions  
Last Date for Submission of Online Applications is 24<sup>th</sup> November, 2024**

**ARCI** is looking to engage talented candidates, having a consistently good academic record, with a strong zeal and motivation to pursue innovative research, to contribute in time-bound sponsored/in-house projects in various emerging areas related to advanced materials (such as Rare Earth Magnetic materials, Engineered Coatings, Clean Energy Materials, Sodium/Lithium Ion Battery Technologies, etc.).

**Selection process for RA/JRF/SRF/Project staff: will be based on walk-in Personal Interview for shortlisted candidates.**

**Registration of JRF/SRFs for External Ph.D. Programme:** Based on the performance of the candidates, the selected candidates for JRFs/SRFs shall also be encouraged to register for a Ph.D. Program with one of the reputed Institutes (IITs/NITs)/Central University of Hyderabad with which ARCI has a tie-up. Candidates selected with M.E./M.Tech./M.S. or M.Sc., will have better opportunities for registering for external Ph.D. while those with B.E./B.Tech. or equivalent will have limited opportunities for registering for external Ph.D.

SI.No.	Details of Fellowships/Project Staff	Essential Educational Qualification & Experience
01.	<p><b>Research Associate I</b>  <b>No. of Posts : 03 (Three)</b>  <b>Upper Age Limit: 35 years</b>  <b>Tenure of Project : 1 to 3 years</b>  <b>Place of Posting : Hyderabad/ Chennai</b>  <b>Fixed Stipend*: Rs, 58,000/-</b>  <b>Plus HRA*per month as applicable</b>            (2 posts @ Hyderabad) and            (1 post @ Chennai)</p> <p><b>Walk -in Interviews for shortlisted candidates will be held on 30<sup>th</sup> November, 2024 (Saturday) at ARCI, Hyderabad</b></p>	<p><b>Essential Qualifications &amp; Experience:</b> Ph.D. or equivalent degree or having three (3) years of research, teaching and design and development experience after M.E./M.Tech. with atleast one research paper in Science Citation Indexed (SCI) Journal.</p> <p><b>Desirable work Experience:</b> Shall have carried out Ph.D. research work or shall have experience in the areas of advanced materials/Metallurgy/Materials Science/Physics/Chemistry/ Nanotechnology/Energy/Chemical Engineering/. The candidates having experience in the following areas are preferable:            (i) Experience on the fabrication of Li-ion/Supercapacitor cells in Li-ion/ Sodium/ Supercapacitor pilot line.            (ii) Experience in batteries or electrochemistry            (iii) Experience in development of Carbon base materials</p> <p><b>Job Requirement:</b> The candidates are expected to actively participate in implementing various R&amp;D activities for product/process development consistent with the theme of the sponsored/in-house projects. Subsequent and continued demonstration and their application potential is also anticipated. Active participation in various R&amp;D efforts of the sponsored projects is expected.</p>

02.	<p><b>Junior Research Fellow (JRF)</b>  <b>No. of Posts : Twenty (20)</b>  <b>Upper Age Limit: 28 years</b>  <b>Fixed Stipend*: Rs, 37,000/-</b>  <b>Plus HRA*per month as applicable</b>  <b>Place of Posting : Hyderabad/</b>  <b>Chennai</b>  (18 posts @ Hyderabad) and  ( 2 post @ Chennai)</p> <p><b>Walk -in Interviews for shortlisted candidates will be held on 5-6<sup>th</sup> December, 2024 (Thursday &amp; Friday) at ARCI, Hyderabad.</b></p>	<table border="1"> <thead> <tr> <th data-bbox="719 85 1090 120">Degree</th> <th data-bbox="1090 85 1540 120">Specialization in</th> </tr> </thead> <tbody> <tr> <td data-bbox="719 120 1090 203">First Class M.Sc. or equivalent in</td> <td data-bbox="1090 120 1540 203">Physics/Chemistry/ Materials Science</td> </tr> <tr> <td data-bbox="719 203 1090 405" rowspan="3">First class B.E./B.Tech./ M.E./M.Tech. or equivalent in</td> <td data-bbox="1090 203 1540 309">Metallurgy or Metallurgical &amp; Materials Engineering</td> </tr> <tr> <td data-bbox="1090 309 1540 353">Chemical Engineering</td> </tr> <tr> <td data-bbox="1090 353 1540 405">Mechanical Engineering</td> </tr> </tbody> </table> <p style="text-align: center;"><b>And</b></p> <p>Having above qualifications &amp; should have been selected through anyone of the following described process:</p> <p>a) Scholars who are selected through National Eligibility Tests- CSIR-UGC NET including lectureship (Assistant professorship), and GATE. Should possess a valid GATE/NET Score.</p> <p style="text-align: center;"><b>OR</b></p> <p>b) The selection process through any National level examinations conducted by Central Government Departments/ Agencies and institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc., IISER etc.</p>	Degree	Specialization in	First Class M.Sc. or equivalent in	Physics/Chemistry/ Materials Science	First class B.E./B.Tech./ M.E./M.Tech. or equivalent in	Metallurgy or Metallurgical & Materials Engineering	Chemical Engineering	Mechanical Engineering
Degree	Specialization in									
First Class M.Sc. or equivalent in	Physics/Chemistry/ Materials Science									
First class B.E./B.Tech./ M.E./M.Tech. or equivalent in	Metallurgy or Metallurgical & Materials Engineering									
	Chemical Engineering									
	Mechanical Engineering									
03.	<p><b>Senior Research Fellow (SRF)</b>  <b>No. of Posts : Two (2)</b>  <b>Upper Age Limit: 32 years</b>  <b>Fixed Stipend*: Rs, 42,000/-</b>  <b>Plus HRA*per month as applicable</b>  <b>Place of Posting : Hyderabad</b>  (2 posts @ Hyderabad)</p> <p><b>Walk -in Interviews for shortlisted candidates will be held on 30<sup>th</sup> November, 2024 (Saturday) at ARCI, Hyderabad</b></p>	<p>a) Shall have Qualifications as prescribed above for Junior Research Fellow <b>AND</b></p> <p>b) Two (2) years research experience.</p>								

<p>04.</p>	<p><b>Project Associate - I</b>  <b>No. of Posts</b> : 06 (six)  <b>Upper Age Limit</b> : 35 years  <b>Tenure of Project</b> : 1 to 3 years  <b>Place of Posting</b> : Hyderabad  <b>Fixed Emoluments*</b>: (i) Rs, 31,000/- OR  (ii) Rs. 25,000/- Plus HRA* per month as applicable</p> <p>(i) * Rs. 31,000/+ HRA* to Scholars who are selected through National Eligibility Tests-CSIR-UGC NET including lectureship (Assistant professors or GATE OR</p> <p>(b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and institutions.</p> <p>(ii)* Rs. 25,000/+ HRA* for others who do not fall under (i) above.</p> <p><b>Walk -in Interviews for shortlisted candidates will be held on 10<sup>th</sup> December, 2024 (Tuesday) at ARCI, Hyderabad.</b></p>	<p><b>Essential Qualifications &amp; Experience:</b> Master's Degree (M.Sc.) in Physics/Chemistry/Materials Science or B.E./B.Tech. in Metallurgy/ Metallurgical &amp; Materials Engineering/Chemical/ Mechanical/ Electrical/EEE/ECE/Energy Engineering/Nano Technology from a recognized University.</p> <p><b>Desirable work Experience:</b> Candidate shall have experience in the field of fabrication of Li-ion/ supercapacitor cells in Li-ion/supercapacitor pilot line and should be able to conduct the experiments and analyze the data.</p> <p><b>Job Requirement:</b> The candidates selected will be providing technical assistance in the sponsored projects. Active participation in various R&amp;D efforts of the sponsored project is expected.</p>
<p>05.</p>	<p><b>Project Technical Assistant</b>  <b>No. of Posts</b> : 05 (five)  <b>Upper Age Limit</b> : 50 years  <b>Tenure of Project</b> : 1 to 3 years  <b>Place of Posting</b> : Hyderabad  <b>Fixed Emoluments*</b> : Rs. 20,000/- Plus HRA* per month as applicable</p> <p>Increment of 15% for 3 years of experience with a maximum ceiling of 4 such revisions i.e. upto 12 years of experience.</p> <p><b>Walk -in Interviews for shortlisted candidates will be held on 11<sup>th</sup> December, 2024 (Wednesday) at ARCI, Hyderabad.</b></p>	<p><b>Essential Qualifications &amp; Experience:</b>  Bachelor's Degree (B.Sc.) in Physics/Materials Science/3 years Diploma in Metallurgical/Chemical/Mechanical/ Electrical/ECE/Automobile Engineering from a recognized University/Institute.</p> <p><b>Desirable work Experience:</b>  candidates shall have experience in handling of furnace/dies/tools, design, CAD drawings, equipment maintenance, testing and operation of vacuum systems.</p> <p><b>Job Requirement:</b> The candidate selected will be providing technical assistance in the sponsored project. Active participation in various R&amp;D efforts of the sponsored projects is expected.</p>

\* HRA shall be applicable as per norms.

**Please Note :** If all things are equal, SC/ST/OBC/EWS candidates may be given preference over general candidates to ensure due representation.

**ARCI strives to have a workforce which reflects gender balance and women candidates are encouraged to apply**

## WALK-IN INTERVIEW DETAILS FOR SHORTLISTED/SCREENED-IN CANDIDATES

Sl. No.	Name of the Post	No. of posts	Date of Walk-in Interview	Reporting time for Interview	Walk-in Interview Venue
01.	Research Associate I	03	30/11/2024 (Saturday)	0830 hours	Walk-in Interviews will be held at ARCI, RCI- New Airport Road, Balapur, Hyderabad-5.
02.	Senior Research Fellow	02	30/11/2024 (Saturday)	1200 hours	
03.	Junior Research Fellow	20	05/12/2024 (Thursday) 06/12/2024 (Friday)	0830 hours	
04.	Project Associate I	06	10/12/2024 (Tuesday)	0830 hrs	
05.	Project Technical Assistant	05	11/12/2024 (Wednesday)	0830 hrs	

### 01. Application Procedure:

The Interested candidates fulfilling the above eligibility criteria may submit online application at: <http://www.arci.res.in/careers>.

### 02. Screening/Short-listing and Selection Process

Eligible candidates, will be provisionally shortlisted by a Screening/Shortlisting Committee based on the details provided by them in their online applications submitted.

#### Mode of Selection :

**a. Selection for the post of Research Associate I :** Candidates for Research Associate Position shall fill-in online application and submit online. The Screened-in/Shortlisted Candidates may come for walk-in interview on 30/11/2024 (Saturday) alongwith a printed copy of online application, attested copies of their qualification, experience, Project Report, Ph.D. Thesis etc. Candidates shall make a crisp presentation for 10 minutes on the research works carried out by them and followed by personal interview.

#### b) JRF & SRF with Valid GATE/NET SCORE

- i) Candidates who have completed the course and awarded degree in B.E./B.Tech./M.Sc. OR M.E./ M.Tech. or equivalent and **possessing valid GATE/NET Score** are only eligible to apply for JRF/SRF as per the details given above.
- ii) Screening/shortlisting will be done by a Committee based on valid GATE/NET Score, marks secured in degree, discipline/qualifications-wise, academic records, experience and assessment of research work (if any) already carried out and published by the candidates.
- iii) Selection process under this category will be through personal interview for the screened/shortlisted candidates. **The screened-in/shortlisted candidate's list will be displayed on the website.**

**c) Project Associate-I and Project Technical Assistant :** Walk-in Interview will be conducted for short-listed candidates only.

d) Shortlisted candidates list will be displayed on ARCI website.

### 03. Place of posting:

Depending on the requirements of the time-bound sponsored/in-house projects, the selected Research Associates, Research Fellows as mentioned above will be posted either at ARCI Hyderabad or ARCI Chennai Centres.

#### 04. Tenure:

Initially, the selected fellows (RA/SRF/JRF) and project staff shall be engaged initially for a period of one year. However, their tenure shall be renewable annually, subject to satisfactory performance. The extended tenure shall be up to maximum duration of time-bound sponsored project, subject to sponsored projects requirements and availability of funds etc. In case of project staff

#### 05. SRF/JRF Registration for External Ph.D. Programme :

- a) Permission to register for external Ph.D. program shall be granted strictly based on performance during the first year of joining.
- b) Research fellows (SRF/JRF) not securing admission to a Ph.D. program in first two attempts (Ph.D. entrance selection/tests) or in the first 12 months of their joining, shall not be permitted to re-apply for Ph.D. as an external candidate of ARCI.

### **GENERAL TERMS AND CONDITIONS**

01. Only Indian nationals need to apply.
02. In case, if the candidate is shortlisted for walk-in interview, he /she shall bring hard copy of application submitted online, duly supported by self-attested photocopies of educational certificates, passport size photograph, AADHAR Card/ Any other Govt. issued ID document (for identity proof)/testimonials, experience caste (in case of SC/ST/OBC/EWS) certificates and produce all originals for verification.
03. **Age Limit:** Upper age limit as above shall be as on the closing date of application. However, upper age is relaxable by **5 years for SC/ST** and **3 years for OBC (Non-creamy layer)** candidates, etc. or as per Govt. of India rules. Age relaxation for Persons with Disabilities shall be as per Govt. of India orders. Scanned copy of the relevant certificate in the prescribed form (duly attested photo copy) issued by the competent authority in support of the claim as belonging to SC/ST/OBC/EWS/PH must be uploaded.
04. Period of experience mentioned against the above said post(s) shall be counted from the date of acquiring the prescribed essential qualifications that are obtained from recognized universities/Institutions.
05. Consolidated salary/fixed emoluments as shown against each post represents the minimum emoluments, inclusive of all applicable allowances. The candidates selected will not be entitled for any benefits or concessions admissible to regular employees.
06. If a candidate is presently employed in a government organization, should submit "**No Objection Certificate**" at the time of walk-in interview.
07. ARCI reserves right to increase/decrease the above number of posts depending on the actual requirements (if any), OR for the other new projects (if any) which may be sanctioned/approved during the recruitment process of the above posts.
08. Candidates may please note that, ARCI reserves right to increase/decrease the above number of posts depending on the actual requirements/availability of RA/JRF/SRF/Project staff vacancies OR for the other new projects (if any) which may be sanctioned/approved during the recruitment process of the above posts.
09. The total numbers of RA/JRFs/SRFs/Project staff as give is provisional and the total numbers to be filled-in shall depend upon the actual requirement at the time of recruitment vis-à-vis the need and will depend on the availability of requisite talent among those who have applied for the posts.
10. ARCI reserves the right to revise/reschedule/cancel/suspend the engagement process, if the need so arises, without assigning any further notice or reason therefore.
11. Mere fulfilling the minimum prescribed qualifications and experience will not vest any right in a candidate for being called for walk-in interview.

12. ARCI reserves all rights to screen the applications and short-list candidates to be called for walk-in interview.
13. Age limit, qualification and/or experience may be relaxed by the competent authority in case of exceptionally meritorious candidates.
14. Since, the projects are time-bound with short gestation period and committed deliverables requiring expertise in very specific fields. Accordingly, experience in relevant fields is very critical. Therefore amongst the candidates meeting the essential qualifications, those having requisite experience will be given preference over the other candidates.
15. The particulars furnished by the candidate in the online application form will be taken as final, and data entry is processed by the computer, based on these particulars only. Candidates should, therefore, be careful while filling in the details/uploading etc. Candidates also should note that the details provided by them in their online application are taken at their face value and the onus of proving the correctness and authenticity of the same, as and when required, lies with the candidates.
16. In all matters relating to this advertisement and subsequent processing, the decision of the competent authority, ARCI will be final and binding.
17. Candidates selected for the above posts will be engaged temporarily/offered purely temporary appointment on contractual basis to work in the time-bound sponsored/in-house projects. After expiry of the fellowship term/project staff tenure, the research associates/research fellows/project staff shall not have any right whatsoever to claim regular appointment or permanent absorption in ARCI/Sponsored Agency. Selected candidates will be posted at ARCI's Chennai or Hyderabad Centres depending on the requirements of the projects as given above.
18. Term of the contract engagement will be co-terminus with the Projects or earlier, purely based on the performance of the candidate appointed.
19. The tenure will be reviewed every year. Depending on quantum and quality of output during the year, as assessed by an Committee, the tenure may be extended or terminated.
20. **Reference details:** The candidate is requested to give complete name, designation and full postal address with phone/fax & e-mail ID of referees. One of the referees should be preferably from the current/most recent employer or immediate superior. The referees listed should ideally be closely familiar with the candidate's professional work or familiar with the candidate as his/her professor/lecturer.
21. **Applications received late for whatsoever reason/with valid GATE/NET (for SRFs/JRFs)/Incomplete applications/applications without required uploads shall not be considered. Interim enquires will not be entertained.**
22. **No Travelling Expenses/DA will be paid for attending walk-in interviews or for joining if selected.**
23. **Candidates are requested to note that, request for change of walk-in interview date/time/venue/mode of interview will not be entertained. Candidates short-listed for walk-in interview should make their own arrangements for accommodation.**
24. Canvassing or bringing any influence in any form shall be considered as disqualification.
25. Candidates are advised to visit ARCI website <http://www.arci.res.in/careers> periodically for further information and updates pertaining to this advertisement.
26. **Last date for receipt of filled-in online applications 24<sup>th</sup> November, 2024**