

# इंटरनेशनल एडवांस्ड रिसर्च सेंटर फॉर पाउडर मेटलर्जी एंड न्यू मटेरियल्स (ए.आर.सी.आई)

(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार का स्वायत्त अनुसंधान एवं विकास केंद्र)

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

(An Autonomous R&D Centre of Dept. of Science & Technology, Govt. of India)

सं.सं.एआरसीआई/एचआरडी/भर्ती Ref No.ARCI/HRD/RECT/1/2024 04 जुलाई/July, 2024

विषय : वैज्ञानिक "जी" पद हेतु ऑनलाइन आवेदन आमंत्रित- संबंधित।

Sub: Online Applications invited for the post of Scientist "G" - Reg.

आदरणीय महोदय/महोदया

Dear Sir/Madam,

एआरसीआई की ओर से शुभकामनाएं!

Greetings from ARCI!

इंटरनेशनल एडवांस्ड रिसर्च सेंटर फॉर पाउडर मेटलर्जी एंड न्यू मटेरियल्स (एआरसीआई), हैदराबाद विज्ञान एवं प्रौद्योगिकी विभाग (डीएसटी), भारत सरकार का एक स्वायत्त अनुसंधान एवं विकास संस्थान है, जिसकी स्थापना का मिशन उन्नत पदार्थों के क्षेत्र में नूतन, नवीन और प्रौद्योगिकी की दृष्टि से व्यवहार्य प्रौद्योगिकियों का विकास कर, उसे उद्योगों को अंतरण करना है। संस्थान का मुख्य उद्देश्य उन्नत पदार्थों जैसे नैनोमटेरियल्स, सोलार-एजर्जी मटेरियल्स, ऑटोमोटिव एनर्जी मटेरियल्स, फ्यूल सेल्स, लेज़र प्रोसेसिंग, सर्फेस कोटिंग्स, सोल-जैल कोटिंग्स, सिरेमिक्स इत्यादि में अनुसंधान एवं विकास करना है। प्रयोगशाला स्तर से लेकर प्रायोगिक-संयंत्र तक के बुनियादी शोध के अतिरिक्त, केंद्र उन्नत पदार्थों के क्षेत्र में मानव संसाधन विकास पर भी ध्यान केंद्रित करता है। एआरसीआई का मुख्य परिसर हैदराबाद में स्थित है एवं अनुसंधान एवं विकास के दो केंद्र आईआईटीएम रिसर्च पार्क, चेन्नै से संचालित होते हैं तथा गुरुग्राम में संपर्क कार्यालय कार्यरत है।

International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) is an autonomous R&D institute of Department of Science & Technology (DST), Government of India, set up with a mission to develop unique, novel and techno-commercially viable technologies in the area of advanced materials and subsequently transfer them to industries. The institute's main objective is to carry out R&D in advanced materials such as nanomaterials, solar energy materials, automotive energy materials, fuel cells, laser processing, surface coatings, sol-gel coatings, ceramics, etc. Apart basic research from lab-scale to pilot plant, the centre also focuses on human resource development in the areas of advanced materials. ARCI's main campus is located at Hyderabad, with 2 of its off campus R&D centres operating from IITM Research park, Chennai and a liaison office functioning at Gurugram.

एआरसीआई वैज्ञानिक "जी" पद के भर्ती हेतु ऑनलाइन आवेदन आमंत्रित करता है। सीधी भर्ती के आधार पर, इस पद का वेतन मैट्रिक्स लेवल 14 है। विज्ञापन की विस्तृत प्रति व्यापक प्रचार-प्रसार के लिए संलग्न है। यह विज्ञापन एआरसीआई वेबसाइट: <https://www.arci.res.in/careers/> पर भी उपलब्ध है।

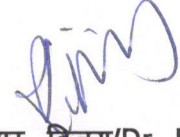
ARCI invites online applications for filling up the post of Scientist "G" in the Pay Matrix Level 14 on Direct Recruitment basis. Detailed advertisement copy is attached for wide publicity. This advertisement is also available on ARCI website: <https://www.arci.res.in/careers/>

मैं आपसे अनुरोध करता हूँ कि कृपया अपने संस्थान/संगठन में इस विज्ञापन का व्यापक प्रचार-प्रसार कराने की व्यवस्था करें।

I request you to kindly arrange to give wide publicity of this advertisement in your institute/organization.

सधन्यवाद/ Thanking you.

भवदीय/Yours Sincerely,



(डॉ. आर. विजय/Dr. R. Vijay)

निदेशक, एआरसीआई/Director, ARCI

डॉ. आर. विजय / Dr. R. VIJAY

निदेशक / Director

इंटरनेशनल एडvanced रिसर्च सेंटर फॉर पाउडर

मेटलर्जी एंड न्यू मटेरियल्स (एआर.सी.आई.)

International Advanced Research Centre

for Powder Metallurgy & New Materials (ARCI)

विज्ञान एवं प्रौद्योगिकी विभाग/Dept. of Science & Tech., भारत सरकार (Govt. of India)

संस्थान: वातापुरा, J. Bhopal, भारत/Institution: IITBHU, Varanasi, India

अनुलग्नक : यथोपरि //Encl: As above.

सेवा में/ To,

आदरणीय निदेशकगण/विभागाध्यक्ष/रजिस्ट्रार

The Directors/HoDs/Registrars



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

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



भारत 2023 INDIA  
वसुधैव कुटुम्बकम्  
ONE EARTH • ONE FAMILY • ONE FUTURE

RCI-New Airport Road, Balapur, Hyderabad-500 005, Telangana.  
Phone Nos. 040-24452515/425, Email : [asrinivas@arci.res.in](mailto:asrinivas@arci.res.in) / [hrd@arci.res.in](mailto:hrd@arci.res.in)

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

**RE-ADVERTISEMENT FOR  
RECRUITMENT OF SCIENTIST "G" IN PAY LEVEL 14  
Last Date for Submission of Online Applications 31<sup>st</sup> July,2024**

ARCI is an autonomous R&D Centre of Department of Science & Technology (DST), Government of India with a mission to develop highly competitive and commercially viable technologies for Indian and global markets. ARCI offers an excellent work environment, equipped with modern facilities and intellectual freedom for motivated individuals to realize their full innovative potential. ARCI currently has opening for filling-up Two (2) Senior Scientist positions at **Scientist "G"** grade in **Pay Level 14** on **Direct Recruitment basis**. Online applications are invited from interested and dedicated Indian citizens having consistently good academic record and relevant experience to fill-in Scientist "G" positions.

**Please Note:** Candidates who have already applied for the post of Scientist "G" against our earlier advertisement need not apply again. Their applications received will be considered along with the applications to be received against this re-advertisement.

Sl. No.	Name of the posts with Details Qualification & Experience
01.	<p><b>Post Code</b> : 01</p> <p><b>Name of the post</b> : <b>SCIENTIST "G"</b></p> <p><b>No. of Posts</b> : Two (2)</p> <p><b>Pay level</b> : 14 of 7<sup>th</sup> CPC</p> <p><b>Total emoluments:</b> <u>Rs. 2,83,185/- approximately</u></p> <p><b>Age limit</b> : Not exceeding 50 years</p> <p><b>Mode of Recruitment:</b> Direct recruitment</p> <p><b>Mode of Selection</b> : Presentation on R&amp;D achievements/project proposal &amp; future plans, and followed by Personal Interview.</p> <p><b>Eligibility for Deputation:</b> Possessing the educational qualifications and experience as mentioned below.</p> <p><b>Essential Qualification:</b></p> <ol style="list-style-type: none"><li>Doctorate Degree in Physical Sciences or Master's Degree in Engineering or Technology from a recognized University or equivalent.</li><li><b>Fifteen (15) years'</b> experience in research and development in industrial and academic Institutions or science &amp; technology organizations, out of which <b>seven (7) years</b> shall be in administration, planning, development and coordination of R&amp;D and related areas.</li><li>Experience of evolving, managing and directing major science and technology development programmes; and</li><li>Published research work of high standard and/or good record of patents granted/filed.</li></ol>

**Desirable:**

- i) Post Doctorate research in Physical Sciences or doctorate in Engineering or Technology from a recognized Institute as evidenced by certification by such University or Institute and publication of research work in journals of repute.
- ii) Experience in conception, management & implementation of major scientific or technology development programmes.
- iii) Experience in technology transfer and/or implementation of industry-relevant projects.
- iv) Proven track record of application Artificial Intelligence (AI)/Machine Learning (ML) techniques/ computational calculation methods for materials development by way of funded projects and relevant publications shall be an added advantage.

**Note:** Period spent on acquiring essential qualifications shall not count towards experience. However, period spent on post doctorate research in a University or research Institute as evidenced by certification by such University or Institute and publications of research work in journals of repute, subject to maximum of two (2) years, shall be counted as experience.

**Job Requirement:** The candidates are expected to lead a team of personnel in designing and executing different R&D projects for product development and scaling-up of technologies to pilot plant level leading to their transfer to the industry.

**Specific Job** : The candidates should have appropriate research and application development expertise to spearhead a major programme in any one of the following areas as evidenced by peer reviewed publications and patents:

- a) advanced manufacturing processes;
- b) advanced materials development;
- c) energy and engineering fields

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

1. A separate questionnaire form for research proposal submission will be sent by email to the candidates.
2. Interested candidates shall submit their online applications alongwith **Research Proposal** as per the format.
3. **Separate Reference Appraisal** will be sent to the referees given by the candidates in their online applications.

**I. Application Procedure:**

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

**A. Emoluments:**

- (i) **Salary will be as per government norms in pay level 14 of the 7<sup>th</sup> CPC and gross emoluments include basic pay, DA, HRA and Transport Allowance as applicable.**
- (ii) **Other Benefits:** In addition to the above emoluments, benefits such as New Pension Scheme (NPS), Gratuity, Group Insurance, Medical Reimbursement, Children Education Allowance, Leave Travel Concession (LTC) etc., are available and will be extended as per prevailing norms.

## B. How to Apply:

Interested candidates fulfilling the above eligibility criteria shall necessarily submit their applications **ONLINE ONLY**. The online application should contain complete and definite information in respect of each of the columns. Applications received through any other mode (other than online)/incomplete applications/applications without fees/fee details etc., will not be accepted and **will be summarily rejected**.

**Before filling in the Online application, candidates are advised to read carefully instructions for online submission, general terms and conditions.**

## C. Application Processing Fee and Mode of Payment:

**A Non-refundable application processing fee of Rs. 1000/- shall be paid through NEFT/RTGS/UPI to the following bank:**

<b>Bank TRANSFER DETAILS</b>	
Bank Name :	Canara Bank
Branch :	Kanchanbagh, Hyderabad -59
A/C in favour:	International Advanced Research Centre for Powder Metallurgy & New Materials
Account No. :	<b>1849106015365</b>
IFSC Code :	<b>CNRB0001849</b>

Note: (i) Please write bank transfer details in the space provided in online application (without bank transfer details online applications will be rejected).

(ii) Online Applications submitted by the candidates will not be considered in case if NEFT/RTGS/UPI amount is not received by us by **31<sup>st</sup> July,2024**.

## D. Selection Process:

(i) **Preliminary Screening/Short-listing:** A Committee as constituted by the Competent Authority, ARCI will screen the applications, based on the essential qualification criteria etc., relevance of the experience for the post applied and number of years of relevant experience (based on the data provided in on-line applications by the candidates), research proposal submitted and such other parameters as deemed necessary for screening/short-listing. The Screened-in/short-listed candidates will be called for Personal Interview.

### (ii) **Mode of Selection for**

**Selection for the posts of Scientist "G":** Shortlisted candidates shall make a crisp presentation for 30-45 minutes. The first half of the presentation shall highlight achievements of the research work carried out by the candidate in the last few years, while the second part should describe the research proposal and how his/her expertise is suited for implementing the proposal. A separate questionnaire form for research proposal submission will be mailed to candidates.

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