



**International Advanced Research Centre for
Powder Metallurgy and New Materials (ARCI)**
An Autonomous R&D Centre of
Department of Science & Technology, Govt. of India



RCI-New Airport Road, Balapur, Hyderabad-500 005, Telangana.
Phone Nos. 040-24452515/425, Email : rectt@arci.res.in

Advt. No. ARCI/HRD/RECT/1/2022

RECRUITMENT OF SCIENTIFIC, TECHNICAL & SUPPORT STAFF
Last Date for Submission of Online Applications 16th October, 2022

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 with modern facilities and intellectual freedom for motivated individuals to realize their full creative potential. ARCI currently has openings for filling-up of **Scientific, Technical and Support posts** on Deputation/direct recruitment basis. Online applications are invited from interested and dedicated Indian citizens having consistently good academic record and relevant experience to fill the following posts:

Sl. No.	Name of the posts with Details Qualification & Experience
01.	<p>Post Code : 01 Name of the post : SCIENTIST "G" No. of Posts : One (1) Pay level : 14 Total emoluments: Rs. 2,53,247/- approximately Age limit : Not exceeding 58 years (for Deputation) and 50 years (for Direct Recruitment) Mode of Recruitment: On deputation basis/Direct recruitment Mode of Selection : Presentation on R&D achievements/future plans followed by Personal Interview. Eligibility for Deputation: Scientists or Technologists working in the Central/State Governments/ Universities/Recognized Research Institutions/Semi-government, Statutory or Autonomous Organizations in India or abroad:</p> <ol style="list-style-type: none">holding analogous posts; orwith 2 years service in posts in the pay level 13 A (pre-revised Rs. 37,400-67,000/- with a Grade Pay of Rs. 8,900/-) or equivalent ; andpossessing the educational qualifications and experience as mentioned below. <p>Essential Qualification: Master's degree in Physical Sciences or Bachelor's Degree in Engineering/ Technology or equivalent from a recognized University.</p> <p>Desirable: a) Doctorate degree or equivalent in related subject from a recognized University. b) Experience of evolving, managing and directing major scientific or technology development programmes. c) Published research work of high standard and/or good record of patents granted/filed.</p> <p>Experience: 15 years' experience in Research and Development in Industrial/Academic Institutions and/or Science & Technology Organizations out of which 5 years should be in administering, planning, development and coordination of R&D and related areas. He/She shall have expertise in Metallurgical/Mechanical Engineering fields.</p> <p>Job Requirement: The candidate is expected to spearhead a major programme in any one of the areas of Laser Processing of Materials/Surface Coatings/Metallurgical & Materials Processing, providing expert guidance in the areas as mentioned above, especially metallurgical aspects.</p> <p style="text-align: right;">Contd... 2/-</p>

02.	<p>Post Code : 02 Name of the post : SCIENTIST "B" (R&D) No. of Posts : Two (2) Pay level : 10 Total emoluments: Rs. 99,969/- approximately Age limit : Not exceeding 28 years Mode of Recruitment: Direct recruitment Mode of Selection : Personal Interview Reservation : Unreserved (UR) = 02</p> <p>Essential : M.Sc. in Physics/Chemistry/Materials Science OR B.E./B.Tech. in Metallurgical/Materials/Mechanical/Electrical Engineering or equivalent from a recognized University.</p> <p>Job Requirement: The candidates are required to work in any of the ongoing R&D projects in the broad areas of Ceramics, nanomaterials, energy materials etc., OR in the field of Materials Characterization & Testing OR Electrical maintenance.</p>
03.	<p>Post Code : 03 Name of the post : TECHNICAL OFFICER "A" No. of Posts : Three (3) Pay level : 7 Total emoluments: Rs. 77,113/- approximately Age limit : Not exceeding 30 years Mode of Recruitment: Direct recruitment Mode of Selection : Personal Interview Reservation : Unreserved (UR) = 02; Scheduled Caste (SC) = 01* (*backlog)</p> <p>Essential : M.Sc. in Physics/Chemistry/Analytical Chemistry/Materials Science OR B.E./B.Tech. in Metallurgical/Materials/Electrical Engineering or equivalent from a recognized University.</p> <p>Desirable : Prior Scientific/Technical/Industrial experience in a laboratory/shopfloor. Candidates with experience in operation & maintenance of Scanning Electron Microscope (SEM)/Chemical Analysis & Corrosion studies/Sol preparations/Operation & maintenance of Electrical sub- stations will have an added advantage.</p> <p>Job Requirement: The candidates are required to work in any of the ongoing R&D projects in the broad areas of Sol-gel Coatings, Ceramics, nanomaterials, energy materials etc., OR in the field of Materials Characterization & Testing or Electrical maintenance.</p>
04.	<p>Post Code : 04 Name of the post : TECHNICAL ASSISTANT "A" No. of Posts : One (1) Pay level : 6 Total emoluments: Rs. 61,818/- approximately Age limit : Not exceeding 30 years Mode of Recruitment: Direct recruitment Mode of Selection : Competitive Written Examination (CWE) followed by Trade/Skill test Reservation : Unreserved (UR) = 01</p> <p>Essential Qualification: B.Sc. in Physical Sciences (Physics/Chemistry as one of the subjects) OR three (3) years full time Diploma in Mechanical/Metallurgical/Electrical Engineering from a recognized University/recognized Board of Technical Education of Central or State Government.</p>

(Continuation of Technical Assistant "A" (post code 4)....)

- Desirable:** a) Prior technical experience in industry/R&D laboratories.
b) Good interpersonal & communication skills and ability to multi-task will be an added advantage.

Job description: The candidate will be attached to one of the Centres of Excellence to assist and provide technical support to the Scientific & Technical Staff in R&D projects/ programmes OR Electrical maintenance. He/She shall be required to operate & maintain R&D equipment, instruments and look after the laboratory facilities or electrical maintenance. Shall also assist in any other allied works as assigned by the superiors from time to time.

NOTE: Technical Assistant post is an entry level post in technical category, therefore candidates with higher qualifications such as M.Sc./B.Tech./B.E./M.Tech./M.E./M.S. etc., will not be considered.

05. **Post Code** : 05
Name of the post : TECHNICIAN "A"
No. of Posts : Four (4*)
*[Out of 4 posts, 3 posts will be filled with ITI in Electrical Trade]
*[and 1 post will be filled with ITI in Fitter Trade]
Pay level : 4
Total emoluments: Rs. 45,879/- approximately
Age limit : Not exceeding 28 years
Mode of Recruitment: Direct recruitment
Mode of Selection: Competitive Written Examination (CWE) followed by Trade/Skill test.
Reservation : Unreserved (UR) = 01; Scheduled Caste (SC) = 01;
Other Backward Class (OBC) = 01; Economically Weaker Section (EWS) = 01
[From among the above categories, 1 post will be filled by a suitable person from among the Persons with Disabilities/Divyangjan {OH/HH/VH}]
- Essential Qualification:** (i) Matriculation/10th pass;
(ii) 2 years full-time ITI in Electrical/Fitter trade from a recognized Board of Technical Education of Central or State Government; and
(iii) 3 years technical experience in Industry/R&D laboratories.
- Desirable:** Good interpersonal & communication skills and ability to multi-task will be an added advantage.
- Job description:** The candidate will be attached to one of the Centres of Excellence. He/She shall provide assistance to the Scientific & Technical staff in field of Electrical maintenance, operation & maintenance of R&D equipment instruments. He/She Shall be responsible for timely cleanliness of laboratory facilities. Initially, depending on the work requirements, selected candidates may be attached to any non-technical section/centre and shall be ready to take up any work other than technical works.
- NOTE:** Technician "A" is an entry level post in Technician category, therefore candidates with higher qualifications such as Diploma/B.Sc./M.Sc./B.Tech./B.E./M.Tech./M.E./M.S. etc., will not be considered.

06. **Post Code** : 06
Name of the post : Driver "A"
No. of Posts : One (1)
Pay level : 2
Total emoluments: Rs. 33,875/- approximately
Age limit : Not exceeding 28 years
Mode of Recruitment: Direct recruitment
Mode of Selection: Competitive Written Examination (CWE) followed by Trade/Skill and Driving tests.
Reservation : Unreserved (UR) = 01

Essential Qualification: (i) Matriculation/10th pass/SSC.
(ii) Possession of valid driving license to drive light and heavy vehicles.
(iii) Knowledge of motor mechanism and the candidate should be able to rectify/remove minor defects in vehicles. AND
(iv) Experience of driving a light vehicle for atleast 3 years and heavy vehicle for atleast 6 years.

Desirable: (i) Good interpersonal & communication skills (in Hindi/English/Telugu) and ability to multi-task Motor Transport and any allied activities.
(ii) shall be able maintain vehicle and fuel log books and cleanliness of the vehicles.

Job description: The candidate will be required to drive either light or heavy vehicles or both, depending on the requirements. Shall be able to attend minor repair works and perform the duties on holidays/odd hours (if required).

NOTE: Driver "A" is an entry level post in Driver category, therefore candidates' with higher qualifications such as Diploma/Degree/Post Graduates etc., will not be considered.

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

I. Application Procedure:

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

A. Emoluments:

- (i) **Salary will be as per government norms in respective of pay level and gross emoluments which 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 Fee and Mode of Payment:

A Non-refundable application fee (for each post applied) shall be paid as follows through NEFT/RTGS :

For Scientist "G"/Scientist "B"/Technical Officer "A" (Post codes 1 to 3):

General and OBC Category : Rs. 500/- (Rupees five hundred only).

SC/ST/EWS/PwD(Divyangjan)/Women : Rs. 300/- (Rupees three hundred only).

For Technical Assistant "A"/Technician "A"/Driver "A" (Post codes 4 to 6):

General and OBC Category : Rs. 300/- (Rupees three hundred only).

SC/ST/EWS/PwD(Divyangjan)/Women : Rs. 150/- (Rupees one hundred and fifty only).

Bank TRANSFER DETAILS

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

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 amount is not received by us by **16.10.2022**.

D. Selection Process & Examination Model:

(i) **Preliminary Screening/Short-listing:** A Committee as constituted by the Competent Authority, ARCI will screen the applications, taking into account the academic performance, 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) and such other parameters as deemed necessary for screening/short-listing. The Screened-in/short-listed candidates will be called for Personal Interview/undergo Competitive Written Examination (CWE) as follows:

(ii) Mode of Selection for

(a) **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 shortlisted candidates.

(b) **Selection for the posts of Scientist "B" & Technical Officer "A":** Through Personal Interview

- (c) **Selection for the posts of Technical Assistant "A" and Technician "A" and Driver "A":** will be through Competitive Written Examination (CWE) followed by Trade test/ Skill test and Driving Test (Driving test for Driver post) for the Screened-in/ Short-listed candidates. **Candidates can write written examination either in HINDI or ENGLISH.**

(iii) Post-Wise Examination Details are given below

Name of the Post	Total Marks & Duration	Written Examination Model Multiple choice/fill-in the blanks
Technical Assistant "A"	200 marks 3 hours	<p>Section "A"– 150 marks (50x 3 marks): 50 questions in relevant subjects (Physics/Chemistry for B.Sc. candidates and for Diploma candidates in the field of Mechanical/Metallurgical/Electrical Engineering).</p> <p>Each question carries 3 marks and 1 mark will be deducted for each wrong/incorrect answer.</p> <p>Section "B"– 50 marks (50x1 mark): 50 questions in the following, each question carries 1 mark. No negative marking for wrong/ incorrect answer.</p> <p>(i) General Knowledge & Current Affairs (25 questions) (ii) Test of Reasoning & Numerical Ability (25 questions)</p>
Technician "A"	200 marks 3 hours	<p>Section "A"– 150 marks (50x3 marks): 50 questions in relevant ITI trade/field i.e. Electrical or Fitter.</p> <p>Each question carries 3 marks and 1 mark will be deducted for each wrong/incorrect answer.</p> <p>Section "B"– 50 marks (50x1 mark): 50 questions in the following, each question carries 1 mark. No negative marking for wrong/incorrect answer.</p> <p>(i) General English (10 questions) (ii) General Knowledge & Current Affairs (20 questions) (iii) Test of Reasoning and Numerical Ability (20 questions)</p>
Driver "A"	100 marks 2 hours	<p>Section "A"– 50 marks (25x2 marks): 25 questions in Motor Vehicle Act and on maintenance of vehicles.</p> <p>Each question carries 2 marks and 1 mark will be deducted for each wrong/incorrect answer.</p> <p>Section "B"– 50 marks (50x1 mark): 50 questions in the following, each question carriers 1 mark. No negative marking for wrong/incorrect answer.</p> <p>(i) General English (10 questions) (ii) General Knowledge (20 questions) (iv) Arithmetic (20 questions)</p> <p>Weightage of 40% will be taken into account out of the marks secured in Section "A" & "B" for final selection.</p>

- (iv) **Merit List:** Based on the marks secured in Competitive Written Examination, a merit list in order of marks obtained by the candidates will be drawn for each of the posts advertised above/category-wise etc.
- (v) **Trade/Skill Test (for Technical Assistant "A" and Technician "A"):** Candidates screened-in CWE shall have to attend Trade/Skill test in the relevant field. The number of candidates to be called for trade/skill test from among the candidates of the merit list prepared based on the marks secured in CWE will be upto 6 times the number of vacancies to be filled-in. Trade/Skill test shall be of 1/2 hour duration and of qualifying nature, purely on "go-no-go" basis and marks obtained in the trade/skill test shall not be considered for final selection.
- (v) **Driving Test (for Driver "A"):** Candidates screened-in CWE shall have to attend Driving Test in light or heavy vehicles or both and shall attend on the spot minor repair works of the vehicles. The number of candidates to be called for driving test from among the candidates of the merit list prepared based on the marks secured in CWE will be upto 10 times the number of vacancies to be filled-in. Driving test shall be of 45 minutes duration. Driving test & minor repairs will be for 100 marks and 60% weightage will be taken from marks secured in Driving test & minor repairs.
- E. **Final Selection for Technical Assistant "A" and Technician "A":** The final selection will be purely, based on the marks secured by the candidates in Competitive Written Examination only, subject to clearing Trade/Skill test.
- F. **Final Selection for Driver "A":** The final selection of Driver will based on 40% weightage of marks secured in Competitive Written Examination AND 60% weightage of marks secured in Driving test & minor repairs.

Tentative Schedule for Competitive Written Examination and Trade /Skill & Driving tests				
Sl. No.	Post	Tentative Date for CWE	Tentative Date For Trade/Skill test	Examination Centre
01.	Technical Assistant "A"	19.11.2022 (Saturday)	18.12.2022 1000 hours (Sunday)	Hyderabad
02.	Technician "A"	20.11.2022 (Sunday)	18.12.2022 1200 hours (Sunday)	Hyderabad
03.	Driver "A"	26.11.2022 (Saturday)	10.12.2022 1000 hours (Sunday)	Hyderabad

Examination Centre: Examination, Trade/Skill test and Driving test will be conducted in Hyderabad only.