

CSIR-CENTRAL GLASS & CERAMIC RESEARCH INSTITUTE

(Council of Scientific & Industrial Research)

196, Raja S. C. Mullick Road, Kolkata-32, website: www.cgcri.res.in

Advt. No. 39/2526/4MD/GAP-0397/VKS

Post Code : 39/2526/01

Applications are invited from suitable bonafide Indian citizens for the position of one **Project Associate – I** tenable at CSIR-CGCRI, Kolkata as per details furnished below:

Project No., Project Title and Tenure	Position & Stipend	Essential Qualification & Age (As on last date receipt of application)
<p>Sponsoring Agency : Department of Science & Technology (DST)</p> <p>GAP - 0397</p> <p>"The role of quasiperiodicity on the electronic structure of elements".</p> <p>Tenure : Initially for one (01) year, likely to be extended upto 15.12.2030 based on satisfactory performance and availability of fund. The above position purely on temporary basis and co-terminus with the project.</p>	<p>Project Associate - I (PAT – I) - 01 No.</p> <p>Stipend – (i) Rs.31,000/- + HRA as admissible p.m. to the candidate who are selected through a process of (a) National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their agencies and Institutions.</p> <p>Or</p> <p>(ii) Rs.25,000/- + HRA as admissible p.m to the candidates who do not fall under (i) above.</p>	<p>Essential Qualification for Project Associate – I(PAT – I) :</p> <p><u>M.Sc. in Physics (Condensed matter or Nanoscience as specialization) / M.Sc in Physics / Nanotechnology / Material Science Or Integrated M.Sc. (BS & MS) in Physics from a recognised University or equivalent.</u></p> <p>Age limit : 35 Years (As on last date of application)</p> <p>The upper age limit is relaxable upto 5 years in case of candidates belonging to SC/ST/Physically Handicapped and Female, whereas 3 years in case of OBCs (Non-Creamy layer candidates).</p>

Desirable Qualification :

1. Knowledge of solid-state / condensed matter physics, electronic structure theory, and crystallography or aperiodic systems (experience with quasicrystals preferred).
2. Working knowledge of ultra-high vacuum and cryogenic systems.
3. Hands on experience with materials characterization techniques and thin-film growth techniques.
4. Experience in electrical transport measurements.

Key Responsibilities :

1. Preparation of atomically clean quasicrystal surfaces under ultra-high vacuum (UHV)
2. Growth of quasiperiodic elemental adlayers using Knudsen cell evaporation.
3. STM imaging to study surface morphology and quasiperiodic atomic arrangements
4. STS measurements to probe the local density of states
5. Analysis and interpretation of electronic structure data in relation to quasiperiodicity.
6. Maintenance of UHV-STM systems and adherence to experimental protocols
7. Documentation of results and contribution to publications and conference presentations.
8. The candidate must perform any other Research and Development related tasks for the above mentioned project title.

Interested and eligible candidates are requested to send soft copy of duly filled up Application Form in the prescribed format as furnished herein-under, duly TYPED (not hand-written) enclosing soft copies of self attested copies of each supporting documents/certificates/reprints to the following Email ID : (recruitment.cgcri@csir.res.in). **Last date of receipt of application via email is 05.04.2026. No application will be entertained after the prescribed date. Shortlisted candidates will be informed about the date/time of interview. The interview will be conducted through hybrid (offline and online) mode. Candidates who are interested to attend the interview through online mode are requested to inform at the time of application.**

Separate Application is required, if applied for more than one position(s)/Advt. No(s) as and when applicable. **The original marksheet/certificates/Age-Caste proof should be brought with him/her at the time of interview for verification. The candidates should carry self-attested copies of their all documents & project thesis (if any) with them. The candidates (who are attending the interview physically) should report at least ONE HOUR before the scheduled time of interview for verification of documents. No candidate(s) will be allowed to enter the Institute,if arriving after Reporting Time.**

Incomplete application without prescribed format and supporting documents or applications received after the due date will be summarily rejected. **Candidates who are presently engaged in any Project either in CSIR-CGCRI or any other Organization/Labs/Instts., should furnish the copy of NOC from his/her existing Project Leader, failing which, they will not be allowed to appear in the interview. *Candidate(s) with results awaited will not be eligible.* Candidate(s) must calculate the percentage from CGPA/DGPA as per the calculation rule of University/Institute (Soft Copy of Self Attested of such rule to be attached).** Barely meeting the minimum required qualification does not entitle a candidate to be called for interview. CSIR-CGCRI reserves the right not to fill up the position (s), if it so desired by the Competent Authority. The number of position(s) may increase/decrease, as per the requirement of the Institute. The decision of the Institute shall be final in this regard. **Interim enquiries in this respect will not be entertained.**

Controller of Administration