

**CSIR-NATIONAL CHEMICAL LABORATORY
PUNE - 411008**

No: 2025/CSIR-NCL/PMC/GAP344326/619

Date: 01/10/2025

Division: PHYSICAL AND MATERIALS CHEMISTRY(PMC)

NOTICE

Subject: Filling Up Of Position For Engagement As PAT- I Under Sponsored Projects Taken Up In The Lab.

Applications are invited online for filling up of position on a purely temporary basis, in the prescribed proforma. The details of the Sponsored Project under which engagement is proposed to be made is as under.

Title of Project: Integrated Heat Management for Energy-Efficient Membrane-Based Direct Seawater Desalination Enabling Green Hydrogen Production

Name of Sponsoring Agency: MNRE

Project Code	GAP344326
Post Name	Project Associate-I
No. of Position:	6
Minimum prescribed educational Qualifications	<p>PAT-I (Position 1, Vacancy-01) - MSc Physics/Applied Physics /Chemistry/Electronics/Instrumentation from a recognized University or equivalent with minimum 55 % marks</p> <p>PAT-I (Position 2, Vacancy-01) - MTech in Opto-electronics /Optical engineering / Mechanical / Electronics and Communications/ Instrumentations/ MSc Physics/Applied Physics /Chemistry/Electronics/ Instrumentation from a recognized University or equivalent with minimum 55 % marks</p> <p>PAT-I (Position 3, Vacancy-04) Chemical Engineering/ Mechanical / Electronics and Communications/ Instrumentations/ MSc Physics/ Applied Physics /Chemistry/Electronics/ Instrumentation from a recognized University or equivalent with minimum 55 % marks</p>

Desirable Qualification/ experience, if any	<p>PAT-I (Position 1, Vacancy-01) - Preference will be given to candidates who have one year of experience in material synthesis and characterization and data interpretation.</p> <p>PAT-I (Position 2, Vacancy-01) - Preference will be given to the candidates who have one year of experience in water splitting, catalyst coating, electrochemical measurements, half cell, full cell measurements, etc.</p> <p>PAT-I (Position 3, Vacancy-04) - Preference will be given to the candidates having experience in hardware and software development; PLC & SCADA programming, QT, C++, LabVIEW, Python, Software hardware interface development, Embedded C, VLSI Design, Circuit Design and Analysis, Electric panel assembling, Sensor integration, Microcontroller programming, automation, experience in data acquisition, its representation, and storage.</p>
Age Limit*	35
Job requirement	<p>PAT-I (Position 1, Vacancy-01) – Synthesis and characterization of catalysts, including SEM, TEM, XPS, XRD, etc., electrode preparation and activation, slurry preparation, electrochemical coating, membrane activation, and catalyst coating.</p> <p>PAT-I (Position 1, Vacancy-01) - Membrane and catalyst parameter optimization at different temperatures, pressures, and flow rates, carry out half-cell and full-cell measurements, electrochemical (ICR, CP, CV, CA, EIS, & polarization curve) data measurement, and their interpretation, optimize electrolysis parameters, and gas analysis.</p> <p>PAT-I (Position 1, Vacancy-04) – Sensor Integration with PLC & SCADA for various applications • Solid understanding of embedded systems design, debugging, and testing. • Specialized in microcontroller programming and communication protocols (SPI, I2C, UART) • Design and development of front and backend user interface for the sensor prototype as per the control philosophy, and development of hardware controls • Interface the sensors (like pressure, temperature, level, and conductivity), interfacing their calibrations, and developing a communication protocol • Data handling (storage, analysis, graphical representation, and remote operation) • Technical Support during field trials</p>

Consolidated emoluments per month	(i) 31,000/- + HRA those candidates who have qualified CSIR-UGC / ICAR / ICMR NET incl. lectureship/ assistant professorship or GATE OR those who have qualified National level examinations conducted by central Government Departments like DBT/ DST or equivalent and/or their Agencies/ Institutions. (ii) 25,000 + HRA for others who do not fall under (i) above
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* The upper age limit is relaxable upto 5 years in the case of candidates belonging to SC/ST/PWD/women, and 3 year for OBC candidates.

The engagement will be coterminous with the tenure of sponsored project subject to satisfactory performance or conduct of the appointee, as the case may be. The engagement will be purely on temporary basis and shall not be CSIR/NCL appointment, temporary or otherwise and shall not entitle the appointee to any right/claim whatsoever, implicit or explicit, for his/her consideration against any CSIR-NCL post/fellowship.

How to Apply:

1. Eligible candidates are required to apply ONLINE only through our website.
2. Link to apply : <https://jobs.ncl.res.in>
3. Details can be read from section Jobs Vacancies: <https://www.ncl-india.org>
4. Candidate should have a valid email before applying online.
5. Scanned photo/signature in JPG/JPEG format only.
6. Candidate's Photograph File size must be less than **50 kb**.
7. Candidate's Signature File size must be less than **25 kb**.
8. Readable scanned copies of Mark sheet(SSC, HSC, Graduation, Master, PhD,etc)
9. **Keep ready pdf file of all testimonials.**
10. Read all instructions title '**How To Apply**' available at website.

The application should be filled online on or before **15/10/2025**. Late applications will not be considered.

The prescribed educational qualifications are a bare minimum and merely possessing of same will not entitle candidates to be called for interview. Where number of applications received in response to this Notice of engagement is large, it may not be convenient or possible to interview all the candidates. Based on the recommendation of the Screening Committee, the Project Leader may restrict the number of candidates to be called for interview to reasonable limits after taking into consideration qualifications and experience over and above the minimum qualifications prescribed in the Notice. Therefore, it will be in the interest of the candidates, to mention all the qualifications and experience in the relevant field on date of advertise.

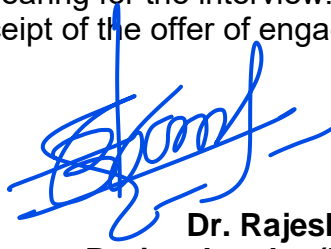
The candidates recommended by the Screening Committee to be called for interview would be notified on the website as well as divisional Notice Board on **16/10/2025** or the candidates may ascertain the information by contacting Dr. Rajesh Kanawade email id: rv.kanawade.ncl@csir.res.in contact No: **02025902534**

Shortlisted candidates will be required to appear before the Selection Committee for an online interview. For online interview URL link will be provided to shortlisted candidate later via email on or before **16/10/2025**.

Interview will be conducted on **17/10/2025** from **11:00 AM** online through a suitable medium such as Microsoft Teams, Google Meet, Cisco WebEx etc.

No interview call letter will be issued separately.

No TA/DA will be admissible for appearing for the interview. Selected candidates will have to join duty immediately on receipt of the offer of engagement.



Dr. Rajesh Kanawade
Project Leader (Name & Signature)

Notice Boards