



No. 07-09(11)/2024 – R&C

Dated: 25.07.2024

NOTIFICATION No. PS – 08/2024

ENGAGEMENT OF PROJECT PERSONNEL ON TEMPORARY BASIS TO WORK IN CSIR – CECRI, CHENNAI UNIT

WALK-IN-INTERVIEW

CSIR-Central Electrochemical Research Institute (CSIR-CECRI), Karaikudi is a premier institute working under the aegis of Council of Scientific and Industrial Research (CSIR) an autonomous body functions under Department of Science & Technology.

CSIR-CECRI desires to engage talented candidates as **Research Associate – II, Senior Project Associate, SRF(P), JRF(P), Project Associate - II, Project Associate – I** on temporary basis in various projects tenable at CSIR-CECRI, Chennai Unit, Taramani as per qualification, age, emoluments, etc., detailed in the table below:

Position Code0	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P01	Research Associate – II (01 Position)	Ph.D in Physical Sciences/Chemical Sciences Desirable: Experience in the field of Batteries	40 Years	Upto 20.05.2027 Design & Development of Lithium-Ion Batteries and Demonstration of 1.5 KWh Battery Pack for Electric Vehicle Application GAP - 10/24	Rs. 61,000/-pm + HRA
P02	Senior Project Associate (01 Position)	Ph.D in Chemistry Desirable: Knowledge of fuel cells, hydrogen energy, thermodynamics, electrocatalyst, polymers, material synthesis	40 Years	Upto 31.03.2025 Demonstration and validation of Indigenously developed electrocatalyst for polymer electrolyte fuel cells HCP-44FBR2	Rs. 42,000/-pm + HRA
P03	SRF(P) (02 Positions)	M.Sc in Chemistry/Physics with CSIR-UGC NET/GATE qualified with two years experience. Desirable: Minimum 2 years of research experience in materials synthesis and characterization	35 Years	Upto 20.05.2027 Design & Development of Lithium-Ion Batteries and Demonstration of 1.5 KWh Battery Pack for Electric Vehicle Application GAP - 10/24	Rs. 42,000/-pm + HRA
P04	JRF(P) (01 Position)	M.Sc in Chemistry with CSIR-UGC NET/GATE qualified Desirable: Experience in DFT studies	35 Years	Upto 20.05.2027 Design & Development of Lithium-Ion Batteries and Demonstration of 1.5 KWh Battery Pack for Electric Vehicle Application GAP - 10/24	Rs. 37,000/-pm + HRA

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P05	Project Associate - II (01 Position)	M.Sc in Physics/Chemistry/ Material Science/Nano Science & Nano Technology with two years experience Desirable: Experience in material characterization	35 Years	Upto 15.05.2025 Physical, chemical and electrochemical testing of indigenously developed precursor materials for Lithium ion cells SSP-05/24	(i) ₹.35,000/-pm + HRA to Scholars who are selected through (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. (ii) ₹.28,000/-pm + HRA for others who do not fall under (i) above.
	Project Associate - II (01 Position)	B.E/B.Tech in EEE/ECE/EIE with two years of experience (OR) M.Sc in Electronics with two years of experience Desirable: Knowledge and experience in 1) Circuit Design, PCB layout, microcontroller Programming. 2) Battery Modeling and Algorithms development. 3) Proficiency in ML algorithms, Matlab, Allegro or any PCB software. 4) Field data survey & collection.		Upto 28.02.2027 Design and Development of AI based smart battery management system for energy storage and E-mobility applications GAP - 35/23	
	Project Associate - II (01 Position)	B.E/B.Tech in Computer Science and Engineering/ IT/ Artificial Intelligence and Data Science / AI and ML with two years of experience (OR) M.Sc in Data Science with two years of experience. Desirable: Knowledge and experience in 1) Data Analysis, AI algorithms and implementation in real-time applications, IoT device and dashboard interface. 2) Dashboard development. 3) Proficiency in Python, .NET, JAVA,C++ Programming, HTML(full stack developer) 4) Development of interface with different sensors/instruments and System Integration. 5) Field data survey & collection		Upto 28.02.2027 Design and Development of AI based smart battery management system for energy storage and E-mobility applications GAP - 35/23	

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P06	Project Associate - I (02 Positions)	B.E/B.Tech in EEE/ECE/Mechanical or M.Sc in Electronics Desirable: Background in Battery Management system, ML, Python, IoT, embedded system, sensor interfacing, Circuit design and simulation, battery thermal analysis, CFD studies, microcontroller Programming, CAN communication. Knowledge and experience in ML algorithms, MATLAB, Allegro, or any PCB software and ANSYS.	35 Years	Upto 28.02.2027 Design and Development of AI based smart battery management system for energy storage and E-mobility applications GAP - 35/23	(i) ₹.31,000/-pm + HRA to Scholars who are selected through (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. (ii) ₹.25,000/-pm + HRA for others who do not fall under (i) above.
	Project Associate - I (03 Positions)	M.Sc in Chemistry/Material Science/Physics/ Nanoscience and Nanotechnology Desirable: Knowledge of electrocatalysis and fuel cells		Upto 31.03.2026 Ultra-Low Platinum Alloy catalyst for polymer electrolyte membrane fuel cells NCP060302	
	Project Associate - I (04 Positions)	M.Sc in Chemistry Desirable: Knowledge of fuel cells, hydrogen energy, thermodynamics, electrocatalyst, polymers, material synthesis	35 Years	Upto 31.03.2026 Scale up of short side chain PFSA composite membrane for low humidity polymer electrolyte fuel cells FTT060503 (02 Positions)	₹.25,000/-pm + HRA
		Upto 31.03.2025 Indigenous Proton Exchange Membrane for Polymer Electrolyte Fuel Cells HCP44-FBR1 (01 Position)			
		Upto 31.03.2025 Demonstration and validation of Indigenously developed electrocatalyst for polymer electrolyte fuel cells. HCP44-FBR2 (01 Position)			

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P06	Project Associate - I (02 Positions)	B.E/B.Tech in Chemical/Mechanical Engineering Desirable: Knowledge of fuel cells, hydrogen powered vehicles, 3D design softwares, P & ID	35 Years	Upto 31.03.2026 Fuel Cell E-tractor: Development of Drive Train FTT060504	₹.25,000/-pm + HRA
	Project Associate - I (01 Position)	B.E/B.Tech in Chemical Engineering Desirable: Knowledge of fuel cells, hydrogen energy, thermodynamics, AutoCAD/Inventor for D2 and D3 designs, Modelling softwares such as COMSOL, Ansys and ASPEN		Upto 31.03.2026 Scale up of short side chain PFSA composite membrane for low humidity polymer electrolyte fuel cells FTT060503	

General Terms & Conditions:

- Date & Time of Walk-in-interview:** Walk-in-Interview will be held at 9.30 a.m. from 06th - 07th of August, 2024 at CSIR - CECRI, CHENNAI UNIT, TARAMANI as scheduled below. No Candidate will be allowed to enter into the Venue after 09:30 a.m.

Position code	Name of the Position	Essential Qualification	Date of Walk-in Interview
P01	Research Associate-II	Ph.D in Physical Sciences/Chemical Sciences	06 th August 2024 (Tuesday)
P02	Senior Project Associate	Ph.D in Chemistry	
P03	SRF(P)	M.Sc in Physics/Chemistry with CSIR-UGC NET/GATE qualification	
P04	JRF(P)	M.Sc in Chemistry with CSIR-UGC NET/GATE qualification	
P05	Project Associate - II	B.E/B.Tech in Computer Science and Engineering/ IT/ Artificial Intelligence and Data Science / AI and ML with two years of experience (OR) M.Sc in Data Science with two years of experience.	
P06	Project Associate - I	M.Sc in Chemistry/Physics/Material Science/Nanoscience and Nanotechnology	
P05	Project Associate - II	B.E/B.Tech in EEE/ECE/EIE with two years of experience (OR) M.Sc in Electronics with two years of experience	07 th August 2024 (Wednesday)
P06	Project Associate - I	B.E/B.Tech in EEE/ECE/Mechanical (OR) M.Sc in Electronics B.E/B.tech in Chemical/Mechanical Engineering	

*Chemistry/Chemical Science includes M.Sc in Chemistry/Inorganic Chemistry / Analytical Chemistry / Physical Chemistry / Organic Chemistry / Polymer Science

2. Application form is available in CECRI Website <https://www.cecri.res.in/Opportunities.aspx>. Eligible Candidates may appear for Walk-in-interview with all original and one set of Photocopies of certificates of educational qualification, age, caste (in case of SC/ST/OBC/EWS Candidates), experience (if any), one recent passport size photo and duly filled-in application.
3. Age relaxation will be given to SC/ST/OBC/PwD Candidates as per Government of India instructions.
4. If all things are equal, SC/ST/OBC/EWS Candidates may be given preference over General Candidates to ensure due representation.
5. **Final Semester/Year students who are awaiting results are not eligible to be considered.**
6. The date of determining the qualification and age limit **shall be on the date of interview.**
7. The Selection would be based upon the performance in the interview, the selection/screening committee will have discretion to shortlist the candidates for the interview based on the criteria deemed fit. In respect of equivalent clause in essential qualifications, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of advertisement, then the candidate is required to produce order/letter in this regard, indicating the authority (with number and date) under which it has been so treated, otherwise the application is liable to be rejected.
8. In case of Universities/Institutes awarding CGPA/SGPA/OGPA Grades etc., candidates are requested to convert the same into percentage based on the formula as per their University/Institute (copy of documented proof of the conversion factor may be attached).
9. Number of Positions required is indicative in nature; there may be an increase/decrease in the number based on requirement (s).
10. **If the number of candidates is more, the candidates will be short-listed for through a written test.**
11. Candidates selected will be provided either accommodation in the Institute Campus (if available) or shall be paid HRA (as applicable).
12. Tenure mentioned above in a case will be co-terminus with the project or till such time this requirement exists whichever is earlier.
13. The total period of the engagement of a Project Staff in different projects either in the same Lab/Instt. or different Lab/Instt. of CSIR taken together **shall not exceed 5 years in any case.**
14. The engagement of Project Personnel is purely on temporary basis, initially for a period of six months which may be extended or curtailed depending on the tenure of the Project/satisfactory performance or conduct of the appointee as the case may be and does not confer any right/claim implicit or explicit on any candidate for claiming extension or absorption in CSIR-CECRI.
15. If it is found at any stage of the process or thereafter that the candidate does not fulfill the eligibility criteria their candidature shall be cancelled without assigning any reason whatsoever.
16. The decision of the Director, CSIR-CECRI, Karaikudi will be final and binding on all candidates and on all matters relating to eligibility, acceptance or rejection of the applications, mode of selection, cancellation of the selection process either in part or full, etc. No correspondence/ Interim queries will be entertained in this regard. Filling up of the positions is solely at the discretion of the Director, CSIR-CECRI, Karaikudi based on suitability of candidates and no claim will arise for engagement, if some of these positions are not filled due to unsuitability/ insufficient number of candidates.

Any queries regarding Project Personnel engagement, Please contact office numbers - **04565 - 241219/218** during office hours (09:00 a.m to 05:30 p.m) or mails may be addressed to recruit@cecri.res.in No calls/mails will be entertained other than the above mentioned office telephone numbers/email id.

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Administrative Officer