



No. 07-09(11)/2024 – R&C

Dated: 12.06.2024

**NOTIFICATION No. PS – 05/2024**

**ENGAGEMENT OF PROJECT PERSONNEL ON TEMPORARY BASIS TO WORK IN CSIR – CECRI, KARAIKUDI**

**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 **Senior Project Associate, Project Associate - II, Project Associate – I and Project Assistant** on temporary basis in various projects tenable at CSIR-CECRI, Karaikudi and CSIR-CECRI, Chennai Unit as per qualification, age, emoluments, etc., detailed in the table below:

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P01	Senior Project Associate (01 Position)	Ph.D in Chemistry / Metallurgical Engineering / Chemical Engineering / Mechanical Engineering (OR) M.E/M.Tech in Metallurgical Engineering / Chemical Engineering / Mechanical Engineering with four years experience  <b>Desirable:</b> Experience in electrochemistry, electrodeposition, electrowinning, operation of furnaces, reactors, extractive metallurgy, molten salt metallurgy or research areas.	40 Years	Upto 31.03.2026  Upscaling of Neodymium Metal/ Nd-Pr production along with other Rare Earth Metals ( La, Ce) and their Alloys by Molten Salt Electrolysis Routes  <b>MLP - 88</b>	Rs. 42,000/-pm + HRA
P02	Project Associate - II (01 Position)	M.Sc in Chemistry/Biotechnology with 2 years of Experience (OR) B.E/B.Tech in Biotechnology with 2 years of Experience	35 Years	Upto 31.03.2026  Self-Powered Flexible Electrodes for Biosensor Applications and for Disease Analysis.  <b>FBR070303</b>	(i) ₹.35,000/- p.m + 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/- p.m + HRA for others who do not fall under (i) above.

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P02	Project Associate - II (03 Positions)	M.Sc in Chemistry with two years experience  <b>Desirable:</b> Working experience in Synthesis / Organic Chemistry / electro-synthesis	35 Years	Upto 31.03.2026  Process Development for the Paired Electrosynthesis of Phthalide   4-tertbutylbenzaldehyde and Phthalide   Tolyaldehyde Dimethylacetal  <b>IHP002403(01 Position)</b>	₹.28,000/- p.m + HRA
		B.E/B.Tech in Biotechnology / Nanotechnology / Materials Science with two years experience  <b>Desirable:</b> Experience with AFM / analytical techniques / Surface science		Upto 31.03.2026  Imaging of Functional Interfaces: A Scanning Tunneling Microscopic study  <b>IHP002404(01 Position)</b>	
		M.Sc in Chemistry / Physics / Electronics with two years experience  (OR) B.E/B.Tech in Electronics and Communication Engineering with two years experience  <b>Desirable:</b> Experience in sensor development(physics/chemistry). Electronics circuit design and embedded system development ( electronics / ECE )		Upto 27.05.2027  Conductive yarns embroidered e-textile wearable systems for health and sports application  <b>GAP – 06/24(01 Position)</b>	
P03	Project Associate – I (01 Position)	M.Sc in Chemistry/Biotechnology (OR) B.E/B.tech in Biotechnology  <b>Desirable:</b> NIL	35 Years	Upto 31.03.2026  Self-Powered Flexible Electrodes for Biosensor Applications and for Disease Analysis.  <b>FBR070303</b>	(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 (01 Position)	M.Sc in Chemistry/Inorganic Chemistry / Analytical Chemistry / Physical Chemistry / Organic Chemistry / Polymer Science  <b>Desirable:</b> NIL		Upto 31.03.2027  Fabrication of Engineered Reusable Adsorbents for Sr from Brine Sources  <b>MMP035201W6</b>	

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P03	Project Associate – I (06 Positions)	<p>M.Sc in Chemistry</p> <p><b>Desirable:</b> Candidates having the following will be given preference:</p> <p>i) Working experience in Synthesis / Organic Chemistry (or)</p> <p>ii) Experience in synthesis of inorganic materials (or)</p> <p>iii) Experience in organic chemistry, purification of organic compounds and their characterization (or)</p> <p>iv) Experience in synthesis of inorganic materials</p> <p>v) Experience in electrochemistry / electrocatalysts / materials characterization / batteries</p>	35 Years	<p>Upto 31.03.2026</p> <p>Process Development for the Paired Electrosynthesis of Phthalide   4-tertbutylbenzaldehyde and Phthalide   Tolyaldehyde Dimethylacetal</p> <p><b>IHP002403(01 Position)</b></p>	₹.25,000/-pm + HRA
				<p>Upto 31.03.2025</p> <p>Alternate fluoride and sulphide based cathode materials for Thermal Batteries</p> <p><b>MLP000404(01 Position)</b></p>	
				<p>Upto 31.03.2026</p> <p>Electro winning of Green Fe and Cr from their metal salts extracted from Ferro-chrome slag</p> <p><b>IHP002402 ( 02 Positions)</b></p>	
				<p>Upto 31.03.2025</p> <p>Recovery of Lithium from Potential Indian Primary Resources for Battery Applications</p> <p><b>HCP-56(01 Position)</b></p>	
				<p>Upto 31.03.2026</p> <p>Design and development of 12 V Mechanically Rechargeable Zinc and Aluminium-air Batteries</p> <p><b>IHP002401(01 Position)</b></p>	₹.25,000/-pm <b>without HRA</b>
P03	Project Associate – I (02 Positions)	<p>M.Sc in Chemistry/Physics</p> <p><b>Desirable:</b> Experience in electrochemical/ optical sensor fabrication, characterization</p>	35 Years	<p>Upto 23.05.2027</p> <p>IoT based water and soil health monitoring systems with affordable indigenous sensors for intensive aquaculture</p> <p><b>GAP – 09/2024</b></p>	₹.25,000/-pm + HRA
P03	Project Associate – I (01 Position)	<p>M.Sc in Chemistry/Physics/ Material Science</p> <p><b>Desirable:</b> Material synthesis / Electrochemistry of materials</p>	35 Years	<p>Upto 30.09.2025</p> <p>Fabrication of Flexible Conductive Fibres / Fabric for Wearable Electronic Textiles</p> <p><b>GAP – 02/24</b></p>	₹.25,000/-pm + HRA

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P03	Project Associate – I (01 Position)	M.Sc in Physics <b>Desirable:</b> NIL	35 Years	31.03.2026 Imaging of Functional Interfaces: A Scanning Tunneling Microscopic Study <b>IHP002404</b>	₹.25,000/-pm + HRA
	Project Associate – I (01 Position)	M.Sc in Chemistry/Material Science/Nanoscience and Nanotechnology <b>Desirable:</b> Materials Chemistry, Synthesis, Characterization, Surface Coatings	35 Years	27.05.2027 Development of Seaweed-derived Cellulose and Phytochemicals as Cost-efficient Additive Composite for Medical-grade Textiles <b>GAP – 04/24</b>	₹.25,000/-pm + HRA
	Project Associate – I (01 Position) (Tenable at CECRI, Chennai Unit)	M.Sc in Chemistry / Renewable Energy <b>Desirable:</b> One Year Research Experience preferably in material synthesis and fuel cells	35 Years	31.03.2025 Demonstration and validation of Indigenously developed electrocatalyst for polymer electrolyte fuel cells. <b>HCP-44FBR2</b>	₹.25,000/-pm + HRA
	Project Associate – I (01 Position)	B.E/B.Tech in Electronics and Communication Engineering/ Instrumentation <b>Desirable:</b> Signal conditioning circuits. Integrating sensor architectures with electronic readout circuits for device construction	35 Years	23.05.2027 IoT based water and soil health monitoring systems with affordable indigenous sensors for intensive aquaculture <b>GAP – 09/2024</b>	₹.25,000/-pm + HRA
P04	Project Assistant (02 Positions)	Diploma in Mechanical/ Electrical Engineering <b>Desirable:</b> NIL	50 Years	31.03.2026 Design and development of 12V Mechanically Rechargeable Zinc and Aluminium-air batteries <b>IHP002401</b>	₹.20,000/-pm <b>without HRA</b>
	Project Assistant (01 Position)	Diploma in Civil/ Electrical and Electronics Engineering <b>Desirable:</b> Experience in Painting	50 Years	31.03.2027 High Temperature Gradient Aerogel based Thermal Insulation Coatings for Helicopter Components <b>MMP035201W9</b>	₹.20,000/-pm + HRA

Position Code	Name of the Position & No. of Position (s)	Essential Qualification & Experience	Upper Age limit	Project Tenure, Title & Number	Monthly Emoluments
P04	Project Assistant (01 Position)	Diploma in Electrical and Electronics / Mechanical Engineering  <b>Desirable:</b> Experience in electrochemical or chemical processes. Candidates who completed ITI prior to Diploma may be preferred.	50 Years	31.03.2026  Rare Earth Recovery from Waste Magnet (NdFeB) – Waste Scrap to Metal/oxide/salt Product  <b>HCP – 54M1</b>	₹.20,000/-pm + HRA

### General Terms & Conditions:

- Date & Time of Walk-in-interview:** Walk-in-Interview will be held at 9.30 a.m. from 19<sup>th</sup> - 20<sup>th</sup> of June, 2024 at CSIR – CECRI, Karaikudi as scheduled below. **No Candidate will be allowed to enter into the Venue after 09:30 a.m.**

Position code	Name of the Position	Date of Walk-in Interview	Essential Qualification
P01	Senior Project Associate	19 <sup>th</sup> June 2024	Ph.D in Chemistry/ Metallurgical Engineering / Chemical Engineering / Mechanical Engineering (OR) M.E/M.Tech in Metallurgical Engineering/ Chemical Engineering/ Mechanical Engineering with four years experience
P02	Project Associate – II	19 <sup>th</sup> June 2024	M.Sc in Chemistry/ Physics / Biotechnology/ Electronics with two years of experience (OR) B.E/B.Tech in Biotechnology / Nanotechnology / Material Science with two years experience
P03	Project Associate - I	19 <sup>th</sup> June 2024	M.Sc in *Chemistry/ Physics/ Material Science/ Biotechnology/ Renewable Energy/ Nanoscience and Nanotechnology (OR) B.E/B.Tech in Biotechnology
P02	Project Associate – II	20 <sup>th</sup> June 2024	B.E/B.Tech in Electronics and Communication Engineering with two years of experience
P03	Project Associate - I		B.E/B.Tech in Electronics and Communication Engineering / Instrumentation Engineering
P04	Project Assistant		Diploma in Electrical/ Electrical and Electronics/ Mechanical / Civil Engineering

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

- 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.
- Age relaxation will be given to SC/ST/OBC/PwD Candidates as per Government of India instructions.
- If all things are equal, SC/ST/OBC/EWS Candidates may be given preference over General Candidates to ensure due representation.
- Final Semester/Year students who are awaiting results are not eligible to be considered.**
- The date of determining the qualification and age limit **shall be on the date of interview.**
- 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](mailto: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