

**Vacancy Advertisement**

Centre for Marine Living Resources and Ecology (CMLRE), a premier R&D institute and an attached office of the Ministry of Earth Sciences, is undertaking research activities in the areas of Marine Living Resources and Ecology including the ecosystem processes for the development of marine ecosystem management strategies towards sustainable utilization of resources. To strengthen its activities, CMLRE is inviting applications for the following temporary positions on project mode from dynamic, hardworking and motivated researchers to contribute to its research activities during 2023-26. The details about the posts, pay, academic qualifications, nature of duties, etc. are given below:

**Consolidated list of positions:**

S. No	Positions	Reservations					Total Posts
		UR	SC	ST	OBC	EWS	
1	Project Manager	2					2
2	Project Scientists II	4	-	-	-	-	4
3	Project Scientist I, Research Associate I, Junior Research Fellow/ Senior Research Fellow, Project Assistant	11		2		3	16
	<b>Total</b>	<b>17</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>3</b>	<b>22</b>

<b>Category 1: Project Manager (2 posts)</b>	
<b>Age Limit</b>	≥ 45 years
<b>Monthly Emoluments (INR)</b>	Consolidated Rs. 1,25,000/-
<b>Post Code: PM-I (Marine Biology/Marine Science)</b>	
<b>Number of Posts</b>	: 1
<b>Essential Qualifications</b>	: Ph. D in Marine Biology/ Marine Science/ Marine Biotechnology or equivalent from a recognized university with minimum 60% of marks in the qualifying degree and 20 years of research experience in the relevant field with proven track record.
<b>Desirable Qualifications</b>	: <ul style="list-style-type: none"> <li>• Proven experience in marine biodiversity and ecology studies, project management and implementation through scientific papers, books, reports, policy documents, etc.</li> <li>• Experience in museum curation, organizing training/Workshops/outreach programs.</li> <li>• Handling oceanographic and biological datasets including quality control and analysis, with scientific papers in peer reviewed journals.</li> </ul>
<b>Nature of Duties</b>	: <ul style="list-style-type: none"> <li>• Coordinate and implement the biodiversity studies, taxonomy and phylogenetic studies of marine eukaryotes.</li> <li>• Organize marine voucher specimen collections and maintain the referral centre as per the Natural History Museum</li> </ul>

		<p>protocols.</p> <ul style="list-style-type: none"> <li>• Policy matters with different International Instruments, Treaties, Agreements pertinent to Biodiversity, MPAs, Ocean Governance, inter-ministerial reviews, etc.</li> <li>• Preparation of technical reports, status and concept papers relevant to marine biodiversity and ecosystem services.</li> </ul>
<b>Post Code: PM-II (Artificial Intelligence and Machine Learning)</b>		
<b>Number of Posts</b>	:	1
Essential Qualifications	:	M.E./M.Tech in any discipline of engineering or equivalent from a recognized university with minimum 60% of marks in the qualifying degree and 20 years of research experience in the relevant field with proven track record.
Desirable Qualifications	:	Ph. D in the relevant field, proven expertise in the field of Video analysis and development of algorithms for large-scale screening of video footage, understanding of large language models, Experience in working with cross functional teams
Nature of Duties	:	<ul style="list-style-type: none"> <li>• To develop innovative algorithms and in-house libraries for use in video analytics-based applications for underwater videos.</li> <li>• Develop conceptual strategies in Image Processing fundamentals to retrieve biodiversity information and any other job assigned from time to time by the competent authority.</li> <li>• Coordinating and managing the project related activities.</li> <li>• Preparation of technical reports, status and concept papers relevant to the project.</li> </ul>
<b>Category 2: Project Scientist-II</b>		
<b>Age Limit</b>		<b>40 years</b>
<b>Monthly Emoluments (INR)</b>		Rs. 67,000/- + HRA. Increment of 5% for every 2 years of experience subject to performance review.
<b>Post Code: PS-II-1 (Bioinformatics)</b>		
<b>Number of Posts</b>	:	1
Essential Qualifications	:	M.Sc/ B.Tech in Bioinformatics / Data Science/ Information Technology from a recognized university or equivalent with minimum of 60% marks in the qualifying degree and 3 years of experience in relevant field.
Desirable Qualifications	:	M.Tech/Ph.D in relevant field with proven experience in Developing genomic/nucleotide sequence database, proficiency in programming languages like Python, Perl and R, analysis pipeline for NGS data analysis (metagenome/transcriptome/genome), Proven scientific published papers in peer reviewed journals.
Nature of Duties	:	<ul style="list-style-type: none"> <li>• To work with marine biodiversity assessment team to augment the data on ecologically and biologically significant areas of Indian EEZ and beyond through both scientific and technical R&amp;D activities.</li> <li>• Development of biodiversity database, Web development, NGS Data Analysis, Data Visualization.</li> <li>• Take part in regular research cruises, exploring the marine</li> </ul>

		living resources and its habitats, Preparation of species checklists/ technical reports and scientific publications.
<b>Post Code: PS-II-2 (Marine Biology/Marine Science/Fisheries Science)</b>		
<b>Number of Posts</b>	:	<b>1</b>
Essential Qualifications	:	M.Sc in Marine Biology /Marine Sciences/ Fisheries Science/ Bio Science/Zoology from a recognized university or equivalent with minimum of 60% marks in the qualifying degree (M.Sc) and 3 years of experience in relevant field.
Desirable Qualifications	:	Ph.D in relevant field with proven experience in Marine taxonomy, Museum curation, marine fish taxonomy, experience onboard Research Vessels, collection, identification and preservation of biological samples, Proven scientific published papers in peer reviewed journals.
Nature of Duties	:	<ul style="list-style-type: none"> <li>• To work with marine biodiversity assessment team to augment the data on ecologically and biologically significant areas of Indian EEZ and beyond through both scientific and technical R&amp;D activities.</li> <li>• Museum Curation, Classical systematics.</li> <li>• Take part in regular research cruises, exploring the marine living resources and its habitats.</li> <li>• Preparation of species checklists/ technical reports and scientific publications.</li> </ul>
<b>Post Code: PS-II-3 (Chemical Oceanography/Marine Chemistry)</b>		
Number of Posts	:	1
Essential Qualifications	:	M.Sc in Chemistry/ Marine Chemistry/Chemical oceanography/ Marine Science/ Electronics and Instrumentation or equivalent with minimum of 60% marks in the qualifying degree and 3 years of experience in relevant field.
Desirable Qualifications	:	Ph.D in relevant field with proven expertise in marine biogeochemistry related to nutrient & carbon dynamics, greenhouse gases, ecosystem structuring, climate change studies, etc. good computation skill, large data processing and handling and maintenance of sophisticated analytical instruments like HPLC, GC, Spectrophotometer, Fluorometer, Auto-analyzer, Carbon and Nitrogen analyzer and their trouble shooting.
Nature of Duties	:	<ul style="list-style-type: none"> <li>• Design and conduct field studies and experiments related to ocean acidification with special emphasis on marine chemistry including behaviour of nutrients and carbon, their biogeochemical response and isotopic composition, preparation of scientific reports and publications</li> </ul>
<b>Post Code: PS-II-4 (Fisheries Science)</b>		
<b>Number of Posts</b>	:	<b>1</b>
Essential Qualifications	:	M.F.Sc. Fishery Resource Management/ Aquatic Environment Management/ M.Sc in Marine Biology /Marine Sciences/ Fisheries Science/ Zoology from a recognized university or equivalent with minimum of 60% marks in the qualifying degree and 3 years of experience in relevant field.

Desirable Qualifications	:	Ph.D in relevant field with proven expertise in fishery and fishery oceanography, trophic interactions through field and experimental studies, expertise in data processing and statistical tools and software, experience onboard Research Vessels, collection and identification (taxonomy).
Nature of Duties	:	<ul style="list-style-type: none"> <li>To augment the data through both field and experimental studies. Taking part in regular research cruises, exploring the marine living resources and its habitats, project coordination, preparation of scientific reports &amp; publications, policy framing, etc.</li> </ul>
<b>Category 3: Project Scientist-I</b>		
Age Limit		<b>35 years</b>
Monthly Emoluments (INR)		<b>Rs. 56,000/- + HRA. Increment of 5% for every 2 years of experience subject to performance review.</b>
<b>Post Code: PS-I-1 (Marine Biology/Marine Fisheries)</b>		
Number of Posts	:	<b>2</b>
Essential Qualifications		M.Sc in Marine Biology/Marine Sciences/ Fisheries Sciences/Zoology from a recognized university or its equivalent with minimum of 60% marks in the qualifying degree.
Desirable Qualifications	:	Ph. D in relevant field and/or 3 years of experience in working with marine benthic organisms, systematics and population genetics of marine fishes, handling biodiversity datasets including sample collection, identification, data processing, quality control, and analysis, experience onboard Research Vessels, proven with scientific published papers in peer reviewed journals. Experience in handling molecular biology equipment.
Nature of Duties	:	<ul style="list-style-type: none"> <li>Work with marine biodiversity assessment team to augment the data on ecologically and biologically significant areas of Indian EEZ and Beyond through both scientific and technical R&amp;D activities.</li> <li>Classical and marine molecular systematics and population genetics, Preparation of species checklists/ technical reports and scientific publications.</li> <li>Development of ecological database including physical and chemical characterization of samples.</li> <li>Take part in regular research cruises, exploring the marine living resources and its habitats.</li> </ul>
<b>Post Code: PS-I-2 (Fish Eggs &amp; Larvae)</b>		
Number of Posts	:	<b>1</b>
Essential Qualifications		M.Sc in Marine Biology/Marine Sciences/ Fisheries Sciences/Zoology or M.F.Sc. in Fisheries Resources Management/Aquaculture/Aquatic Environment Management from a recognized university or its equivalent with minimum of 60% marks in the qualifying degree.
Desirable Qualifications	:	Ph. D in relevant field and/or 3 years of relevant experience in Ichthyoplankton taxonomy (both classical and molecular), data analysis and experience onboard Research vessel.

Nature of Duties	:	<ul style="list-style-type: none"> <li>• Identification of ichthyoplankton from CUFES and net samples and participation in scientific cruises, habitat suitability assessment, preparation of technical reports and scientific publications etc.</li> </ul>
<b>Post Code: PS-I-3 (Plankton Ecology)</b>		
Number of Posts	:	1
Essential Qualifications	:	M.Sc in Marine Biology/Marine Sciences/ Zoology from a recognized university or its equivalent with minimum of 60% marks in the qualifying degree.
Desirable Qualifications	:	Ph. D in relevant field and/or 3 years of relevant experience in identification of plankton in marine environment, experience onboard Research Vessels, handling biodiversity datasets including sample collection, identification, data processing, quality control, and analysis, Proven scientific published papers in peer-reviewed journals.
Nature of Duties	:	<ul style="list-style-type: none"> <li>• Design and conduct field studies and microcosm/mesocosm experiments related to ocean acidification. Identification of meso and microzooplankton based on the molecular studies. Preparation of work reports and research articles.</li> </ul>
<b>Post Code: PS-I-4 (Chemical Oceanography/Marine Chemistry)</b>		
Number of Posts	:	1
Essential Qualifications	:	M.Sc in Chemistry/ Marine Chemistry/Chemical oceanography/Marine Science/ Electronics and Instrumentation or equivalent with minimum of 60% marks in the qualifying degree.
Desirable Qualifications	:	Ph.D in relevant field and/or at least three (03) years of research experience after obtaining Master degree in the above field with proven expertise in marine biogeochemistry related to nutrient & carbon dynamics, greenhouse gases, ecosystem structuring, climate change studies, etc. Good computation skill, large data processing and handling and maintenance of sophisticated analytical instruments like HPLC, GC, Spectrophotometer, Fluorometer, Auto-analyser, Carbon and Nitrogen analyser and their trouble shooting.
Nature of Duties	:	<ul style="list-style-type: none"> <li>• Design and conduct field studies and experiments related to ocean acidification with special emphasis on marine chemistry including behaviour of nutrients and carbon, their biogeochemical response and isotopic composition, preparation of scientific reports and publications.</li> <li>• Take part in regular research cruises, exploring the marine living resources and its habitats.</li> </ul>
<b>Post Code: PS-I-5 (Mariculture/ Ornamental fish culture)</b>		
Number of Posts	:	1
Essential Qualifications	:	M.Sc/MFSc in Marine Biology/ Fisheries Sciences/ Mariculture/ Aquaculture or equivalent from a recognized university with minimum of 60% marks in the qualifying degree.
Desirable Qualifications	:	Ph.D in the relevant field and/or 3 years' experience in marine hatchery technology, mariculture/ cage culture of marine fishes, marine fish/ shrimp hatchery, handling biodiversity,

		oceanographic and biological datasets with proven record of scientific publications.
Nature of Duties	:	<ul style="list-style-type: none"> <li>• Conduct experimental breeding trials, live feed culture, feed formulation and wild collection of live biological samples.</li> <li>• Maintenance of hatchery/ wet lab, surveying the marine living resources and its habitats.</li> <li>• Organize training programs in marine ornamental fish breeding and larval rearing technology transfer and to develop entrepreneurs.</li> </ul>
<b>Post Code: PS-I- 6 (Civil Engineering/ Architecture)</b>		
Number of Posts	:	1
Essential Qualifications	:	B.E/B.Tech in civil engineering or B. Arch or equivalent from a recognized university with minimum of 60% marks in the qualifying degree.
Desirable Qualifications	:	M.E/M.Tech/M.Arch in the relevant field and/or 3 years of experience in the construction activities.
Nature of Duties	:	<ul style="list-style-type: none"> <li>• Design, plan and supervise the construction of buildings and other physical structures. Understand the needs and objectives and create designs that meet the requirements and ensure that all works are carried out to specific standards, building codes, guidelines and regulations.</li> <li>• Make on site visits to check on project status and report on project.</li> <li>• Clarification of the details of design with the construction team.</li> </ul>
<b>Category 4: Research Associate</b>		
Age Limit		40 years
Monthly Emoluments (INR)		Rs. 58, 000/- + HRA.
<b>Post Code: RA-I (Biotechnology / Microbiology)</b>		
Number of Posts	:	1
Essential Qualifications	:	ME/M.Tech or Ph.D in Biotechnology/Microbiology or equivalent from the recognized university with minimum of 60% marks in the qualifying degree with 3 years of research experience after qualifying degree and at least one research paper in science citation indexed (SCI) journal.
Desirable Qualifications	:	Experience in Molecular biology, NGS sequencing, e-DNA studies, etc.
Nature of Duties	:	<ul style="list-style-type: none"> <li>• e-DNA sampling, Handling PCR, Molecular and genomic analysis</li> </ul>
<b>Category 5: Junior Research Fellow/Senior Research Fellow</b>		
Age Limit		28 years (as per the guidelines issued by DST)
Monthly Emoluments (INR)		<p>Age Limit: <b>28/32 years (as per the guidelines issued by DST)</b></p> <p>Monthly Emoluments (INR): (i) Rs. 37,000 (JRF)/or Rs. 42,000 (SRF) +HRA (NET qualified) *</p> <p><b>JRF: (a) Scholars who are selected through National Eligibility Tests CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.</b></p>

		(b) The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER, etc. SRF: Qualification prescribed for JRF with two years of research experience.
<b>Post Code: JRF/SRF- 1 (Marine Biology)</b>		
<b>Number of Posts</b>	:	2
Essential Qualifications	:	M.Sc in Marine Biology/ Zoology / Fisheries or M.F.Sc. in Fisheries Resources Management/Aquaculture/Aquatic Environment Management from a recognized university with minimum of 60% marks and NET qualified.
Desirable Qualifications	:	Prior knowledge on fish taxonomy and epipelagic fishery in Indian waters
Nature of Duties	:	<ul style="list-style-type: none"> <li>Participation in scientific cruises, onboard and laboratory studies on fish eggs &amp; larvae, habitat suitability assessment, resource mapping, preparation of technical reports and scientific publications, etc.</li> </ul>
<b>Post Code: JRF/SRF -2 (Marine Taxonomy)</b>		
<b>Number of Posts</b>	:	3
Essential Qualifications	:	M.Sc in Marine Biology, Zoology and from a recognized university with minimum of 60% marks in the qualifying degree.
Desirable Qualifications	:	Prior experience/knowledge in marine macrofaunal taxonomy, microbiology, Biodiversity assessment, bioinformatics, etc. Exposure to taxonomic identification and laboratory methods.
Nature of Duties	:	<ul style="list-style-type: none"> <li>To support the R&amp;D activities of the Center, participate in the cruises, collection and preparation of samples for analysis and extend support to the scientists in laboratory analysis of samples.</li> </ul>
<b>Category 6: Project Assistant</b>		
<b>Upper Age Limit</b>		<b>50 years</b>
<b>Monthly Emoluments (INR)</b>		<b>Rs. 20,000/- + HRA Increment of 15% for every 3 years of experience subject to performance review.</b>
<b>Post Code: PA-1</b>		
<b>Number of Posts</b>	:	3
Essential Qualifications	:	Any under graduation degree in Commerce, Accountancy, Science, Maths, or 3 years Diploma in Engineering & Technology or equivalent from a recognized university with minimum of 60% marks in the qualifying degree.
Desirable Qualifications	:	Any Master's degree or 2 years' experience in Accounts or budget work in any government office or public sector undertaking or autonomous or statutory organization. Knowledge of central government procurement and accounting procedures including budget preparation, tender publishing and receipt and payment and stock entry registers etc.

Nature of Duties	: <ul style="list-style-type: none"> <li>• Maintenance of stocks, budget, and day to day needs of project/office.</li> <li>• Procurements and settlements of bills and maintenance registers for scientific equipment.</li> <li>• Files maintenance for audits.</li> </ul>
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### Registration to Apply:

- Candidates who wish to apply for this advertisement are requested to register their names in <https://forms.gle/W8AFF6MNLRCaAaTaK7> **on or before 27<sup>th</sup> November 2023, 5.00 PM IST.**
- Candidates are advised to self-evaluate their candidature against the prescribed requirements carefully prior to registration.
- Depending upon the number of registrations, screening of candidates will be announced on the CMLRE website subsequently.
- On the day of the interview, the original documents in support of the claim for experience, essential qualification, age, etc. will be verified prior to the interview. No excuse will be entertained.
- In case of any dispute, the decision of the verifying officer will be final.

### General conditions:

1. The due date of registration will be considered as the cut-off date for calculation of Age/Qualification/experience etc.
2. All project positions are purely temporary and on project mode and do not qualify the candidates to any claim for regular/ permanent position at any time.
3. Age relaxation in case of SC/ST/OBC/EWS/PH/other relaxation category candidates will be as per Government of India norms.
4. Canvassing in any form and /or bringing any influence, political or otherwise will be treated as disqualification of candidature. No interim correspondence/inquiry will be entertained.
5. Candidates working in Government/Public Sector Undertakings/ Autonomous bodies must produce the requisite 'No Objection Certificate' from their employer at the time of interview.
6. The prescribed essential qualifications are minimum and the mere possession of the same does not entitle candidates to be considered for selection. If the number of candidates appearing for the interview is large, there may be a written test for screening the candidates for the interview.
7. The number of vacancies advertised are tentative and Director, CMLRE reserves the right to increase/decrease the positions depending on the need.
8. Doctoral degree will be counted as three years' experience wherever Ph.D is not mentioned as the essential qualification, subject to the condition that the doctoral work is in the relevant field.
9. Discrepancies found in the certificate or concealing of facts will attract the disqualification of application/termination/disqualification from future recruitments (as applicable). Non-production of the original certificates at the time of the interview will also make the candidate disqualified.
10. Candidate's currently working in any other organization need to provide the proof of their current employment with a service/experience certificate from the employer during the interview. Appointment order will not be considered as proof of current employment.
11. The selection of the candidates shall be on the basis of the performance of the candidates in the interview only and the decision of the selection committee is final.
12. Travel and Accommodation: CMLRE will not pay TA/DA for attending the interview/written examination, nor make any arrangements for accommodation.



13. Director, CMLRE has the right to cancel the recruitment process either fully or partially at any stage, without assigning any reason there of or varying the number of posts to be filled under each category.
14. Director, CMLRE reserves the right to consider a candidate for lower post/grade on the basis of the assessment during the selection process irrespective of the post for which candidate had applied.
15. Director, CMLRE reserves the right to relax the required years of experience for the Project Manager position in AI/ML (Serial no 2) for the extra meritorious candidates.
16. Director, CMLRE reserves the right to keep the vacancy unfilled if suitable candidates are not found.
17. Selected candidates will be offered appointment initially maximum for one year and an extension thereafter would be based on a periodical performance review, for a period up to March 2026 or co-terminus with the project.
18. Selected candidates will be posted at CMLRE, Kochi or any other place within India depending on the requirement at any time during the tenure.
19. The full advertisement is available on our website [www.cmlre.gov.in](http://www.cmlre.gov.in) as "Vacancy Circular 2023" under Careers tab and News and Updates.
20. All future updates/amendments related to this recruitment shall be made available only on the CMLRE website ([www.cmlre.gov.in](http://www.cmlre.gov.in)), as such all candidates are advised to visit the official CMLRE website regularly.
21. All correspondence related to the recruitment is to be submitted only to the following e-mail address: [cmlre.vacancies@gmail.com](mailto:cmlre.vacancies@gmail.com). CMLRE will not entertain any other mode of correspondence in this regard.

Sd/-  
**Under Secretary, CMLRE**