

MoES/CMLRE/DOM/2022
Centre for Marine Living Resources and Ecology
 Ministry of Earth Sciences, Government of India, Atal Bhavan, LNG Road
 Puthuvype, Cochin-682508

Vacancy Advertisement

The Centre for Marine Living Resources and Ecology (CMLRE), a premier R&D institute and an attached office of the Ministry of Earth Sciences, is inviting eligible candidates to appear for walk-in interview to fill the following **temporary** positions on project mode during 2022-26 under the Deep Ocean Mission and O-SMART programs. 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 Scientist – II	6	-	-	-	-	6
2	Project Scientist – I, Research Associate – I/II/III, JRF/SRF, Project Assistant-I/II	6	3	1	5	2	17
Total		12	3	1	5	2	23

Project Scientist – II (Total Positions – 6)		
Age Limit	:	40 years
Monthly Emoluments (INR)	:	<i>Rs. 67,000/- + HRA. For every 2 years of experience Increment of 5% is subject to performance review.</i>
Experience	:	Three years of research experience in the relevant field mentioned against each of the posts.
Minimum Marks	:	60% marks from the recognized university or institutes in the qualifying degree.
Post Code: PS-II-1 (Marine Taxonomist)		
Number of Posts	:	3
Essential Qualifications	:	Master's Degree in Zoology/ Marine Biology/ Marine Sciences.
Relevant Field	:	Marine taxonomy, museum curation, biodiversity surveys.
Desirable Qualifications	:	PhD in relevant field with proven experience in Coordination and implementation of biodiversity studies, taxonomy and curation of samples for display galleries. Candidates who are having taxonomic knowledge in the field of marine macro and minor phyla specific to deep-sea corals, sponges, fishes and benthos will be given priority.

Nature of Duties	:	<p>Planning and execution of field and laboratory-based R&D activities in the area of marine faunal taxonomy, data processing, interpretation and preparation of technical reports, etc.</p> <p>Prepare biological samples for display and organize taxonomic training/workshop/outreach programs.</p>
Post Code: PS-II-2 (Next Generation Sequence Expert)		
Number of Posts	:	1
Essential Qualifications	:	M.Sc/B.Tech in Genetic Engineering/ Biotechnology/ Bioinformatics.
Relevant Field	:	Sequencing and Genetic analysis.
Desirable Qualifications	:	PhD/M.Tech in relevant field with proven experience in sequencing and genomic studies related to deep sea biota, metabarcoding, primer designing, etc.
Nature of Duties	:	<p>Plan and implement large-scale e-DNA sampling onboard the vessel and sequencing of the same.</p> <p>Establishment and maintenance of NGS facility and standardization of sequencing protocol for various groups of organisms.</p>
Post Code: PS-II-3 Cell line and cell culture Specialist		
Number of Posts	:	1
Essential Qualifications	:	M.Sc/B.Tech. in Life Science/ Zoology/ Marine Biotechnology/Genetics/Genetic Engineering.
Relevant Field	:	Cell line and Cell culture
Desirable Qualifications	:	PhD/M.Tech in relevant field with proven experience in studies related to Cell Line Development, Cell Culture Media, and Biologics Testing.
Nature of Duties	:	<p>Establishment of cell culture laboratory and augmenting cell lines repository.</p> <p>Coordination and implementation of biodiversity and ecology-related research, preparation/compilation of technical reports, books, publications, scientific outreach manuals, etc.</p> <p>Preparation and maintenance of fish/mammalian cell lines, standardization of culture techniques, cloning, ELISA, SPR, LC/MS, etc.</p>
Post Code: PS-II-4 Artificial Intelligence and Machine learning based Underwater video and Photographic Analyst		
Number of Post	:	1
Essential Qualifications	:	B.E./B.Tech. in any discipline of engineering.
Relevant Field	:	Data science related to artificial intelligence, machine learning, statistics, deep learning, information retrieval.

Desirable Qualifications	:	M.Tech./PhD in the relevant field, proven expertise in the field of Video analysis and development of algorithms for large-scale screening of video footage.
Nature of Duties	:	<p>To develop innovative algorithms and in-house libraries for use in video analytics-based applications for underwater videos.</p> <p>Develop conceptual strategies in Image Processing fundamentals to retrieve biodiversity information and any other job assigned from time to time by the competent authority.</p>

Project Scientist – I (Total Positions – 6)		
Age Limit	:	35 years
Monthly Emoluments (INR)	:	<i>Rs. 56,000/- + HRA. For every 2 years of experience Increment of 5% is subject to performance review.</i>
Minimum Marks	:	60% marks from the recognized university or institutes in the qualifying degree.
Post Code: PS-I-1 Fisheries Acoustics O-SMART (FRHA)		
Number of Post	:	1
Essential Qualifications	:	M.Sc / B.Tech in Marine Science/ Maths/Physics/Physical Oceanography/ Ocean Technology/any branch of science or engineering with minimum 60% marks in the qualifying degree
Desirable Qualifications	:	PhD/M.Tech in relevant field with experience in fisheries acoustics-based stock assessment, remote sensing, good computation and programming skill for data analysis, etc.
Nature of Duties	:	Design and conduct experiments to identify/validate target strength and biomass estimation of marine fishes through bioacoustics, large data processing, habitat suitability assessment/mapping, cruises participation, preparation of scientific reports, research publications, etc.
Post Code: PS-I-2 Marine Biologist/ Fishery Scientist		
Number of Post	:	1
Essential Qualifications	:	MFSc/MSc in Marine Biology/Fisheries/Zoology with minimum 60% marks in the qualifying degree.
Desirable Qualifications	:	Ph. D in relevant field and/or 3 years of experience in fishery distribution and ecomorphology, stock assessment, fishery oceanography, fishery habitat assessment, etc.
Nature of Duties	:	Marine Fish taxonomy, ecomorphology and ecological modelling - cruise participation, Collection, identification and processing of data & samples for ecological studies.
Post Code: PS-I-3 Ocean Data Management Expert		
Number of Post	:	1
Essential Qualifications	:	M.Sc/B.Tech in Marine Science/Physics/Physical Oceanography/ Mathematics/IT/ Computer Science or related subjects with minimum 60% marks in the qualifying degree.

		Experience in Large data processing, Ocean data management, GIS & RS, good computation and programming skills, knowledge and experience in SQL/MySQL/PGSQL, R, Python.
Desirable Qualifications	:	PhD/M.Tech in the relevant subjects.
Nature of Duties	:	Development of database, Database management and synthesis of MLR-related data.
Post Code: PS-I-4 Zooplankton Expert		
Number of Post	:	1
Essential Qualifications		M. Sc in Marine Biology/ Marine Science /Zoology/ Life Sciences or equivalent with minimum 60% marks in the qualifying degree.
Desirable Qualifications	:	Ph. D in relevant field and/or 3 years of relevant experience in mesozooplankton taxonomy, ecology and dynamics, data processing and interpretation, climate change impact studies.
Nature of Duties	:	To conduct habitat suitability assessment, trophic interaction & food web studies, preparation of technical reports and scientific publications, etc.
Post Code: PS-I-5 Ornamental fish culturist O-SMART (Societal Services)		
Number of Posts	:	2
Essential Qualification	:	M.Sc in Marine Biology/ Fishery Science/Marine Sciences/ Life Science/ Biotechnology/ Aquaculture or equivalent from a recognized university with at least first class (60% marks) in the qualifying degree.
Desirable Qualification	:	PhD in relevant field or 3 years of relevant experience in ornamental finfish breeding technology, hatchery maintenance, live feed culture, feed formulation, etc.
Nature of Duties	:	Maintenance of fish/ shrimp hatchery in Lakshadweep islands/ Puducherry live sample collection through snorkeling and skin diving, day-to-day activities of fish breeding and rearing experiments. Establish and maintain live feed culture system and production of livefeed for the fish larval rearing experiments.

Research Associate – I/II/III (Total Positions 2)		
Age Limit	:	40 years
Monthly Emoluments (INR)	:	<i>Rs. 47, 000/ Rs. 49,000/ 54,000/-* + HRA. *Consolidated amount at one of the three pay level mentioned above depending upon the qualification and experience.</i>
Experience	:	<i>3 years of R&D experience after qualifying degree.</i>
Minimum Marks	:	<i>60% marks from the recognized university or institute in the qualifying degree.</i>
Post Code: RA-I-1 Oceanographic and bathymetry data analyst		
Number of Posts	:	2

Essential Qualifications	:	PhD/ME/M.Tech in physical oceanography, Ocean Science/Marine Geology/Ocean engineering or equivalent from any recognized University/ National Laboratories with at least one research paper in science citation indexed (SCI) journal.
Relevant Field	:	Marine survey, oceanographic data collection and management of data in GIS.
Desirable Qualifications	:	Experience in the relevant field.
Nature of Duties	:	Assist data collection onboard research vessel, data processing and analysis. Satellite data processing and field instrument maintenance.

JRF/SRF (Total Positions – 6)

Age Limit: **28/32 years (as per the guidelines issued by DST)**

Monthly Emoluments (INR)

: (i) Rs. 31,000 (JRF)/or Rs. 35,000 (SRF) +HRA (NET qualified) *

JRF: (a) Scholars who are selected through National Eligibility Tests CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.

(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.

Post Code: JRF-I JRF/SRF Marine Taxonomist

Number of Posts	:	5
Essential Qualifications	:	M.Sc in Marine Biology, Zoology and from a recognized university with at least first class (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	:	To support the R&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.

Post Code: JRF-2 JRF Marine Biologist (FRHA)

Number of Posts	:	1
Essential Qualifications	:	M.Sc in Marine Biology/ Marine Sciences/Zoology / Fisheries or equivalent from a recognized university with minimum 60% marks and NET qualified.
Nature of Duties	:	Conducting field and lab studies on fish eggs & larvae, habitat suitability assessment, resource mapping,

		preparation of technical reports and scientific publications, etc.
Project Assistant-I/II (Total Positions 3) O-SMART (Societal Services)		
Age Limit	:	50 years
Monthly Emoluments (INR)	:	<i>Rs. 20,000/ + HRA *Increment of 15% per 3 years of Experience with maximum ceiling of 4 such revisions i.e., up to 12 years of Experience.</i>
Experience	:	B.Sc with 2 years' experience in Laboratory/ Hatchery maintenance.
Minimum Marks	:	60% marks from the recognized university or institute in the qualifying degree.
Post Code: PA-I-1 Microbiologist/Laboratory Assistant		
Number of Posts	:	3
Essential Qualifications	:	B.Sc in Marine Biology/Microbiology/Fishery Science/ Marine Sciences/ Aquaculture or equivalent from a recognized university with at least first class (60% marks) in the qualifying degree.
Desirable Qualifications	:	MSc in relevant field or 2 years of relevant experience in ornamental fish breeding, hatchery maintenance, marine microbiology, Scanning Electron Microscope, live feed culture, etc.
Nature of Duties	:	Maintenance of hatchery/Electron microscope in Lakshadweep/ Puducherry/ Kochi, live sample collection through snorkeling and skin diving, day-to-day activities of fish breeding and rearing experiments. Establish and maintain live feed culture system and production of livefeed for the fish larval rearing experiments.

Registration to participate in the walk-in interview

- Candidates who wish to appear for the walk-in interview are requested to register their names in <https://forms.gle/QhgN9wepp8FSoPKD9> on or before **27th September 2022, 5.00 pm.**
- Candidates are advised to self-evaluate their candidature against the prescribed requirements carefully prior to registration.
- Depending upon the number of registrations, the date for the walk-in interview will be announced on the CMLRE website subsequently.

Mode of initial screening of candidates before walk-in interview

- 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 walk-in interview is large, there will be a written test for screening the candidates for the interview.
7. Doctoral degree will be counted as three years' experience wherever PhD is not mentioned as the essential qualification, subject to the condition that the doctoral work is in the relevant field.
8. 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.
9. 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.
10. Travel and Accommodation: CMLRE will not pay TA/DA for attending the interview/written examination, nor make any arrangements for accommodation.
11. Director, CMLRE has the right to cancel the recruitment process either fully or partially at any stage, without assigning any reason thereof or varying the number of posts to be filled under each category.
12. Director, CMLRE reserves the right to keep the vacancy unfilled if suitable candidates are not found.

13. Selected candidates will be offered an appointment initially for one year or up to March 2023 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.
14. The full advertisement is available on our website www.cmlre.gov.in as “**Vacancy Circular 2022**” under **Careers** tab and **News and Updates**.
15. All future updates/amendments related to this recruitment shall be made available only on the CMLRE website (www.cmlre.gov.in), as such all candidates are advised to visit the official CMLRE website regularly.
16. All correspondence related to the recruitment is to be submitted only to the following e-mail address: cmlre.vacancies@gmail.com. CMLRE will not entertain any other mode of correspondence in this regard.

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Head of Office, CMLRE