Government of India
Ministry of Earth Sciences (MoES)
National Centre for Coastal Research (NCCR)
NIOT Campus, Velachery-Tambaram Main Road, Pallikaranai, Chennai - 600100

RECRUITMENT NOTICE

Advertisement No. MoES/NCCR/Rectt.PS/31/2021

National Centre for Coastal Research (NCCR), Chennai, an attached office of the Ministry of Earth Sciences (MoES), established in 1998, has been implementing various projects in coastal research to provide systematic information, solutions and services for effective management of coastal areas.

Applications are invited for filling up of temporary project positions for various programs such as Coastal Process and Hazards, Marine Pollution and Marine Litter, Ecosystem and Critical Habitats, and Marine Spatial Planning. The posts are purely on temporary and on contract basis, initially for a period of 1 year and may likely to be extended, based on the performance review and based on the project requirements.

The details of project posts, number of vacancies and emoluments are given below:

Post Name	No. of Vacancies	Monthly Emolument
Project Scientist-III	**3**	Rs.78,000/- + HRA
Project Scientist-II	**35**	Rs.67,000/- + HRA
Project Scientist-I	**29** [SC-4,ST-2,OBC-8,EWS-3,UR-12]	Rs.56,000/- + HRA
Senior Research Fellow	**4** [SC-1, OBC-1,UR-2]	Rs.35000/- + HRA
Technical Assistant	**1**	Rs.20000/- + HRA
Field Assistant	**9** [SC-1,ST-1,OBC-2,EWS-1,UR-4]	Rs.20000/- + HRA

More details on posts, qualifications, experience and nature of work along with link for ONLINE Application Form are available on NCCR website page : https://www.nccr.gov.in/NRect2021/nrect1.htm

Online registration commencement date	:	24.07.2021 9:00 PM
Last date for submission of online applications	:	20.08.2021 5:00 PM
Last date for receipt of applications (hardcopy) at NCCR	:	27.08.2021 5:00 PM

Date: 20.07.2021

HEAD OF OFFICE

The details of posts, post codes, eligibility criteria, such as qualification, nature of work and other terms and conditions are given below:

S.N.	Post Name, No. of Posts & Discipline	Post Code	Essential Qualification	Desirable Qualification	Nature of work
1	**Project Scientist III** **1 Post** **Marine Biology - Marine Litter**	**PS-III-MB1**	i. Master's Degree in Environmental Science/ Marine Science / Marine Biology or equivalent from a recognized University / Institute with at least first class not less than 60% marks. ii. Minimum 7 years experience in research or teaching in the relevant field or collection of water, sediment, marine litter and microplastics and biological samples from the coastal and offshore environment. iii. Experience in handling various analytical instruments for the analysis of chemical oceanographic parameters.	i. Ph.D. in biological or environmental science or equivalent from a recognized University / Institute	To carry out R&D studies on marine litter and microplastics. Planning, coordination and execution of beach surveys independently for marine litter studies, coastal cleanup and Swatch Sagar programs of the Ministry. Participation in coastal and offshore surveys, sampling and measurements. Data analysis, preparation of technical reports, research publications, etc.
2	**Project Scientist III** **1 Post** **Marine Biology – Toxicology**	**PS-III-MB2**	i. Master's Degree in Marine Biology/Zoology or equivalent from a recognized University / Institute with at least first class not less than 60% marks. ii. Minimum of 7 years experience in seawater quality criteria development, risk assessment of contaminants, water quality monitoring, planktonology, biomarker enzyme assays, and histopathological studies. iii. Experience in designing and execution of field survey and sampling, isolation and culture of plankton, laboratory and *in-situ* field toxicity experiments for risk assessment of contaminants.	i. Ph.D. in Marine Biology/Zoology or equivalent from a recognized University / Institute.	Planning and execution of field & laboratory R&D studies related to coastal pollution, marine outfall monitoring, impact and risk assessment of contaminants like metals &pesticides, independently. Data processing, interpretation, analysis and preparation of technical reports, etc.

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3	**Project Scientist-III** **1 Post** **Ocean Observations**	**PS-III-OO3**	i. Bachelor's Degree in Mechanical Engineering/ Technology or equivalent from a recognized University with at least first class not less than 60% marks. ii. Minimum of 7 years experience in Research and Development in ocean observations such as development of mechanical systems, moorings and deployment and retrieval of buoys, survey, maintenance of sensors.	i. Master's Degree in Mechanical Engineering/ Technology or equivalent from a recognized University ii. Development of mechanical systems for ocean observations iii. Experience in analysis and design of buoys and mooring systems	To carry out R&D studies related to ocean observations independently such as development and maintenance of buoys, deployment and retrieval, data processing, interpretation, analysis and preparation of technical reports, etc. Planning and organizing fieldworks related to ocean observations, buoys, oceanographic instruments Undertake shallow water bathymetry surveys and data analysis
4	**Project Scientist-II** **3 Posts** **Coastal Geomorphology & Mapping**	**PS-II-CG4**	i. Master's Degree in Geology / Applied Geology/ Marine Sciences / Marine Studies/Ocean science & Technology or equivalent from a recognized University / Institute with at least first class not less than 60% marks. ii. Minimum three years research experience in interpretation of coastal geomorphology, beach profiles, shoreline change studies and mapping using GIS / Remote sensing Tools.	i. Ph.D. in Geology / Applied Geology/ Marine Sciences / Marine Studies or equivalent from a recognized University / Institute. ii. Experience in field measurements for coastal processess, coastal geomorphology and sedimentology.	To undertake field and desk studies related to short-term and long-term coastal geomorphological features& shoreline changes. Data processing, image interpretation, analysis and preparation of technical reports.
5	**Project Scientist-II** **7 Posts** **Remote Sensing & GIS**	**PS-II-RS5**	i. Master's Degree in Geoinformatics / Geomatics / Remote Sensing/Disaster management or equivalent from a recognized University / Institute with at least	i. Ph.D. in Geoinformatics / Geomatics / Remote Sensing or equivalent or equivalent from a recognized University /	To carryout studies related to coastal hazards, shoreline changes, shoreline vulnerability and impact assessment using

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			first class not less than 60% marks. **(OR)** B.E / B.Tech in Geomatics/ Geoinformatics/ Remote Sensing / Civil or equivalent from a recognized University / Institute with at least first class not less than 60% marks. ii. Minimum three years research experience in Satellite Data processing, GIS Mapping, Web GIS Applications, Shoreline change Studies, Coastal Vulnerability and product development related to coastal zone management using Remote Sensing / GIS applications.	Institute. **(OR)** M.E/ M.Tech in Geomatics / Geoinformatics / Remote Sensing / Civil or equivalent from a recognized University / Institute. ii. Experience in coastal zone management studies, hazard and vulnerability studies related to erosion/ accretion/ sea level rise/ climate change/ Tsunami/ Floods. iii. Development of algorithms to extract various coastal/ oceanographic information from satellite Images.	various geospatial tools and techniques. Satellite data analysis, processing & interpretation, Preparation of GIS Maps. Preparation of technical reports.
6	**Project Scientist-II** **2 Posts** **Marine Structures**	**PS-II-MS6**	i. Bachelor's Degree in Civil Engineering or equivalent from a recognized University/ Institute with at least first class not less than 60% marks. ii. Minimum three years research experience in analysis, design and implementation of marine/ coastal structures using software like STAAD Pro, SACS, Plaxis - 3D. iii. Experience in detailed Engineering for coastal structures	i. M.E / M.Tech in Geotechnical / Ocean Engineering or equivalent from a recognized university.	To carry out studies related to marine structures in analysis and design and detailed engineering. Planning and execution of marine geotechnical investigations. Interpretation of design parameters from field investigations. To carry out analysis and design of foundations for marine / Coastal structures.
7	**Project Scientist-II** **1 Post** **Flood Modelling**	**PS-II-FM7**	i. Bachelor's Degree in Civil Engineering or equivalent from a recognized University / Institute with at least first class not less than	i. M.E/ M.Tech in Civil / Ocean / Hydraulic Engineering or equivalent from a recognized	To carry out studies related to various coastal processes, flood modelling,

S.N.	Post Name, No. of Posts & Discipline	Post Code	Essential Qualification	Desirable Qualification	Nature of work
			60% marks. ii. Minimum three years research experience in coastal processes, numerical flood modelling and field measurements.	university. ii. Experience in Numerical modelling of free surface flows and coastal processes using tools like MIKE-21/ HEC-HMS/ HEC-RAS / Delft-3D and field measurements.	data processing, analysis and preparation of technical reports. Planning and execution of field surveys.
8	**Project Scientist-II** **4 Posts** **Coastal Dynamics**	PS-II-CD8	i. Master's Degree in Oceanography/ Marine Science / Mathematics / Physics / Ocean Science & Technology or equivalent from a recognized University / Institute with at least first class not less than 60% marks. **(OR)** B.E / B.Tech in Civil Engineering or equivalent from a recognized University / Institute with at least first class not less than 60% marks. ii. Minimum three years research experience in coastal process modelling/ oceanographic measurements/ data analysis. iii. Experience in nearshore field measurements/ sediment transport studies / handing oceanographic equipment & data analysis	i. Ph.D. in Oceanography / Marine Science / Mathematics/ Physics or equivalent from a recognized University / Institute. **(OR)** M.E / M.Tech in Civil / Ocean /Coastal Management or equivalent from a recognized University / Institute. ii. Numerical modelling of coastal processes and nearshore dynamics using tools like HYCOM / ROMS / MIKE-21 / Delft-3D/ WAVEWATCH-III.	To undertake coastal process studies through numerical modelling and field investigations. Analysis of oceanographic data, coastal numerical modelling for short and long-term forecasts, data assimilation and preparation of technical reports.
9	**Project Scientist II** **7 Posts** **Marine Biology – Plankton & Benthos**	PS-II-MB9	i. Master's Degree in Marine Biology/ Zoology/Life Sciences/ Environmental Sciences or equivalent from a recognized University/Institute with at least first class 60% marks. ii. Minimum three years research experience in marine zooplankton/ phytoplankton/benthic studies.	i. Ph.D. in Marine Biology / Zoology/Life Sciences/ Environmental sciences or equivalent from a recognized University / Institute. ii. Good working knowledge in collection, taxonomic identification, isolation, culture	Field collection & analysis of marine phytoplankton, zooplankton and benthos by participating in cruises onboard research vessels/fishing boats. To carry out R&D studies in

S.N.	Post Name, No. of Posts & Discipline	Post Code	Essential Qualification	Desirable Qualification	Nature of work
				of marine phytoplankton, zooplankton and benthos. iii. Working experience in biogeochemistry of marine ecosystems. iv. Experience in marine litter or microplastics	marine litter and microplastics Execution of laboratory and field experiments on marine food chain organisms. Preparation of reports and manuscripts.
10	**Project Scientist II** **1 Post** **Marine Biology-Microbiology**	**PS-II-MB10**	i. Master's Degree in Microbiology/Life Sciences from a recognized University/ Institute with at least first class 60% marks. ii. Minimum three years research experience in microbiological studies related to marine/coastal environments.	i. Ph.D. in Microbiology/Life Sciences from a recognized University / Institute. ii. Research experience in onboard field/cruises for collection of biotic and abiotic samples for microbial analysis. iii. Good working knowledge in isolation, culture and identification of microbes especially bacteria.	Field data collection & analysis of microbial samples by participating in cruises onboard sea-going vessels and coastal environments. Isolation, culture and identification of pathogenic bacteria. Data processing, analysis and preparation of technical reports and manuscripts.
11	**Project Scientist II** **1 Post** **Marine Biology – Toxicology**	**PS-II-MB11**	i. Master's Degree in Marine Biology/Zoology or equivalent from a recognized University / Institute with at least first class not less than 60% marks. ii. Minimum three years research experience in toxicological studies on marine plankton, invertebrates, fishes, biomarker enzyme assays, genotoxicity and histopathological studies.	i. Ph.D. in Marine Biology or equivalent from a recognized University / Institute. ii. Good working knowledge in collection, isolation, rearing and culture of (plankton and non-plankton) marine organisms. iii. Field sampling, in-situ experiments, conduct of	Field data collection &analysis of plankton / benthic samples by participating in cruises onboard sea-going vessels. Execution of laboratory and field experiments on marine food chain organisms for deriving toxicity values.

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				laboratory toxicity tests and working knowledge in the biochemical assays, molecular and histopathology techniques.	
12	**Project Scientist II** **1 Post** **Marine Biology-Coral Reef Studies**	**PS-II-MB12**	i. Masters Degree in Marine Biology/ Zoology/ Marine Sciences from a recognized University / Institute with at least first class not less than 60% marks. ii. Minimum three years research experience in coral reef monitoring and ecology / coral reef restoration studies. iii. Authorized certificate of SCUBA diving skill.	i. Ph.D. in Marine Biology / Zoology/Marine Sciences from a recognized University / Institute. ii. Experience in coral reef monitoring, restoration and reef resilience studies. iii. Good knowledge in data processing by using various statistical software packages.	Coral reef health monitoring, restoration and transplantation of coral reefs. Field data collection and analysis of macrobenthic communities in reef ecosystems using LIT and quadrant method. Preparation of reports and research publications.
13	**Project Scientist II** **2 Posts** **Physical Oceanography**	**PS-II-PO13**	i. Master's Degree in Oceanography/ Marine Science / Mathematics / Physics or equivalent from a recognized University / Institute with at least first class not less than 60% marks. ii. Minimum three years research experience in coastal process modelling / oceanographic measurements/data analysis. iii. Experience in nearshore field measurements/ sediment transport studies/ handing oceanographic equipment & data analysis.	i. Ph.D. in Oceanography / Marine Science / Mathematics / Physics or equivalent from a recognized University / Institute. ii. Numerical modelling of coastal processes and nearshore dynamics using tools like HYCOM / ROMS / MIKE-21 / Delft-3D/ WAVEWATCH-III, etc.	To undertake the coastal process studies through numerical modelling and field investigations Analysis of oceanographic data, coastal numerical modelling for short and long-term forecasts and data assimilation.
14	**Project Scientist II** **3 Posts** **Marine Chemistry**	**PS-II-MC14**	i. Master's Degree in Marine Science/Marine Chemistry/ Chemical Oceanography /Environmental Sciences or equivalent from a recognized University/ Institute at least first class not less than 60% marks. ii. Minimum three years research	i. Ph.D. in Marine Science/ Marine Chemistry/Chemical Oceanography/Environmental Sciences or equivalent from a recognized University/ Institute.	To participate in cruises for collection of samples and analysis of various chemical parameters such as nutrients, dissolved gases.

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			experience in coastal or marine ecosystem and pollution studies	ii. Should have adequate knowledge in developing methods or indices to assess the coastal pollution. iii. Should have adequate experience in handling of analytical instruments like Auto-Analyser, Coulometer, Auto Titrators, TOC analyser etc.	Execution of laboratory and field experiments related to coastal pollution assessment. Preparation of reports and research publications
15	**Project Scientist II** **2 Posts** **Computer Science**	**PS-II-CS15**	i. Master's Degree in Computer Science / Computer Applications or equivalent from a recognized University / Institute with at least first class not less than 60% marks. **(OR)** B.E/B.Tech in Computer Science/ Information Technology or equivalent from a recognized University / Institute with at least first class not less than 60% marks. ii. Three years R&D experience in handling oceanographic data, database management, customized tools, Web and GIS application development for coastal zone management aspects.	i. Ph.D. in Computer Science / Computer Applications or equivalent from a recognized University / Institute **(OR)** M.Tech in Computer Science/Information Technology or equivalent from a recognized University / Institute with at least first class not less than 60% marks ii. Work experience / good knowledge in the development of web applications for the coastal environment using .NET, Database (SQL Server, PostgreSQL/POST GIS, MySQL) and DSS/APP development/ML. iii. Knowledge in Arc Engine, Arc GIS Server, GEO-SERVER, Java Script API including open source GIS tools. iv. Programming skills using	To maintain a geospatial database related to shoreline management and development of Web GIS application related to coastal change system. To design, develop and implement programming languages or other GIS tools to create custom applications on coastal hazards, maintain databases, develop customized geospatial tools for web portals.

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				MATLAB/ PYTHON for oceanographic data analysis and knowledge in numerical modelling.	
16	**Project Scientist–II** **1 Post** **Instrumentation**	**PS-II-IN16**	i. B.E./B.Tech in Electrical/ Electronics / Communication / Instrumentation or equivalent from a recognized University / Institute with at least first class not less than 60% marks. ii. Minimum three years experience in ocean and coastal field observation, data collection, handling oceanographic equipment and their maintenance.	i. Strong technical knowledge in handling oceanographic and meteorological instruments such as ADCP, ADV, DWR, RCM, RTK GPS, water quality buoys, communications system and other related instruments. ii. Experience in mooring preparation / deployment and field observation in the marine environment.	To carry out oceanographic data collection, deployment, retrieval and maintenance of data buoys and other oceanographic instruments.
17	**Project Scientist–I** **1 Post** **Flood Modelling**	**PS-I-FM17**	i. B.E / B.Tech in Civil Engineering or equivalent from a recognized University / Institute with at least first class not less than 60% marks.	i. Experience in Numerical modelling of free surface flows and coastal processes using tools like MIKE-21/ HEC-HMS / HEC-RAS / Delft-3D and field measurements.	To carry out studies related to various coastal processes, flood modelling, data processing, analysis and preparation of technical reports. Planning and execution of field surveys. Teaching and Training related activities
18	**Project Scientist-I** **2 Posts** **Coastal Geomorphology & Mapping**	**PS-I-CG18**	i. Master's Degree in Geology / Applied Geology/Marine Sciences / Marine Studies or equivalent from a recognized University / Institute with at least first class not less than 60% marks	i. Ph.D. in Geology / Applied Geology/Marine Sciences / Marine Studies or equivalent from a recognized University / Institute. ii. Experience in field measurements for beach	To undertake field and desk studies related to short-term and long-term coastal geomorphological features and shoreline changes.

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				profiles, coastal geomorphology and sedimentology. iii. Experience in interpretation of coastal geomorphology, shoreline change studies and mapping using GIS/Remote Sensing Tools.	Data processing, image interpretation, analysis and preparation of technical reports.
19	**Project Scientist- I** **6 Posts** **Remote Sensing & GIS**	**PS-I-RS19**	i. Master's Degree in Geoinformatics / Geomatics / Remote Sensing or equivalent from a recognized University / Institute with at least first class not less than 60% marks. **(OR)** B.E / B.Tech in Geomatics / Geoinformatics/ Remote Sensing / Civil or equivalent from a recognized University / Institute with at least first class not less than 60% marks.	i. Ph.D. in Geoinformatics / Geomatics / Remote Sensing or equivalent or equivalent from a recognized University / Institute. **(OR)** M.E/ M.Tech in Geomatics / Geoinformatics / Remote Sensing / Civil or equivalent from a recognized University/ Institute. ii. Experience in shoreline mapping, coastal zone management studies, critical habitat mapping, hazard and vulnerability studies related to erosion/ accretion/ sea level rise/ climate change/ Tsunami/ Floods. iii. Development and implementation of GIS Web Applications, algorithms to extract various coastal/ oceanographic information from satellite Images.	To carry out studies related to coastal hazards, shoreline changes, shoreline vulnerability and impact assessment using various geospatial tools and techniques. Satellite Data analysis, processing & interpretation, Preparation of GIS maps and preparation of technical reports. Undertake periodical field data collection using optical instruments and etc. To carry out R&D studies on marine litter and microplastics using remote sensing and GIS tools.

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				iv. Experience in satellite and radiometer data collection and processing related to optical parameters, water quality, chl-a etc.	
20	**Project Scientist-I** **3 Posts** **Coastal Dynamics**	**PS-I-CD20**	i. Master's Degree in Oceanography / Marine Sciences/Physics/Mathematics or equivalent from a recognized University / Institute with at least first class not less than 60% marks. **(OR)** B.E/B.Tech in Civil Engineering or equivalent from a recognized University / Institute with at least first class not less than 60% marks.	i. Ph.D. in Oceanography/ Marine Sciences / Physics/ Mathematics or equivalent from a recognized University/ Institute **(OR)** M.E / M.Tech in Civil / Ocean/ Coastal management or equivalent from a recognized University / Institute. ii. Research experience, related to oceanographic data collection, ocean dynamics, shoreline morphology, coastal dynamics and related studies. iii. Experience in application of analytical/ numerical tools like HYCOM / ROMS / MIKE-21 / LITPACK/SWAN/ Delft-3D/ WAVE WATCH-III, etc. iv. Exposure to design/analysis/ development of shoreline management plans/ coastal protection schemes	To carry out R&D studies related to various ocean and coastal processes and shoreline management-related aspects, data processing, analysis and preparation of technical reports. Planning and execution of fieldworks related to coastal survey and numerical modelling of coastal processes.
21	**Project Scientist I** **5 Posts** **Marine Biology –**	**PS-I-MB21**	i. Master's Degree in Marine Biology/Zoology/Life Sciences or equivalent from a recognized University/Institute with	i. Ph.D. in Marine Biology/Zoology/ Life Sciences or equivalent from	Field data collection & analysis of plankton/ benthic samples by participating in cruises on-

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	Plankton & Benthos		at least first class 60% marks.	a recognized University / Institute. ii. Should have experience in collection, taxonomic identification of marine phytoplankton, zooplankton & benthos.	board sea-going vessels/fishing boats. Execution of laboratory and field experiments, Preparation of reports and manuscripts.
22	**Project Scientist I** **1 Post** **Marine Biology-Microbiology**	**PS-I-MB22**	i. Master's Degree in Microbiology/Marine Science / Life sciences or equivalent from a recognized University/Institute with at least first class not less than 60% marks.	i. Ph.D. in Microbiology/ Life Sciences or equivalent from a recognized University / Institute. ii. Research experience in collection, isolation, culture and identification of microbes especially bacteria.	Field data collection & analysis of microbial samples by participating in cruises onboard sea-going vessels and coastal environments. Collection, culture and identification of microbes especially bacteria. Preparation of reports and research publications
23	**Project Scientist I** **3 Posts** **Marine Biology – Toxicology**	**PS-I-MB23**	i. Master's Degree in Marine Biology / Life sciences or equivalent from a recognized University / Institute with at least first class 60% marks or equivalent grade.	i. Ph.D. in Marine Biology / Life Sciences or equivalent from a recognized University / Institute. ii. Experience in collection & maintenance of marine organisms for laboratory toxicity experiments. iii. Working knowledge in sample processing (water, sediment and biological matrices), analysis of organic and inorganic contaminants using instruments like ICP-OES, GC FID/FPD/ECD.	Field data collection & analysis of plankton/ benthic samples by participating in cruises onboard sea-going vessels. Execution of microcosm, mesocosm experiments, and analytical measurements of organic / inorganic contaminants. Preparation of reports and research publications

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24	**Project Scientist-I** **1 Post** **Marine Biology- Coral Reef Studies**	**PS-I-MB24**	i. Masters Degree in Marine Biology/ Zoology/ Marine Sciences from a recognized University / Institute with at least first class 60% marks. ii. Authorized certificate of SCUBA diving skill.	i. Ph.D. in Marine Biology / Zoology/Marine Sciences from a recognized University / Institute. ii. Good working knowledge on the taxonomic identification of coral reef benthic communities. iii. Experience in coral reef monitoring, restoration and reef resilience studies.	Coral reef health monitoring, restoration and transplantation of coral reefs. Field data collection and analysis of macrobenthic communities in reef ecosystems using LIT and quadrant method. Preparation of reports and research publications
25	**Project Scientist-I** **1 Post** **Marine Biology- Mangroves**	**PS-I-MB25**	i. Master's degree in Marine Biology/ Botany/ Marine Science from a recognized university with at least first class 60% marks or equivalent grade. ii. Should know swimming and skin diving	i. Ph.D. in Marine Biology/Zoology/Botany/Marine Science from a recognized University / Institute. ii. Good working knowledge in taxonomy and ecology of mangrove ecosystem	Taxonomy and ecological studies of mangroves ecosystems. Field data collection for mangrove zonation and restoration studies. Preparation of reports and research publications
26	**Project Scientist-I** **2 Posts** **Environmental Science**	**PS-I-ES26**	i. Master Degree in Environmental Science with at least first class 60% marks or equivalent grade. **(OR)** B.Tech. in Environmental Engineering/Biotechnology or equivalent from a recognized University / Institute with at least first class 60% marks or equivalent grade.	i. Ph.D. in Environmental Science from a recognized University / Institute. **(OR)** M.Tech in Environmental Engineering/Biotechnology or equivalent from a recognized University/ Institute ii. Experience in the collection and analysis of marine litter and microplastics in different environmental matrices.	To carry out R&D studies on marine litter and microplastics in marine matrices (water, sediment & biota) through field surveys etc.

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27	**Project Scientist I** **1 Post** **Computer Science**	**PS-I-CS27**	i. Masters Degree in Computer Science / Computer Applications or equivalent from a recognized University / Institute with at least first class not less than 60% marks. **(OR)** B.E/B.Tech in Computer Science / Information Technology or equivalent from a recognized University / Institute with at least first class not less than 60% marks	i. Programming skills using MATLAB and PYTHON for oceanographic data analysis. ii. Work experience in office automation tools and APP development/ML. iii. Experience in installation, configuration, troubleshooting of Windows and Linux systems.	To design, develop and implement programming languages or other GIS tools to create custom applications on coastal hazards, maintain databases, develop customized geospatial tools for web portals. To assist implementation of office automation and to carry out installation, configuration and troubleshooting of Desktop, workstation, server, laptop and printers.
28	**Project Scientist I** **1 Post** **Instrumentation**	**PS-I-IN28**	i. B.E./B.Tech in Electrical/ Electronics / Communication / Instrumentation or equivalent from a recognized University / Institute with at least first class not less than 60% marks.	iii. Experience in the ocean and coastal observation. iv. Strong technical knowledge in handling oceanographic and meteorological instruments such as ADCP, ADV, DWR, RCM, RTK GPS and other related instruments.	Assist in oceanographic data collection, deployment, retrieval and maintenance of data buoys and other oceanographic instruments.
29	**Project Scientist-I** **2 Posts** **Marine Chemistry**	**PS-I-MC29**	i. Master's Degree in Marine Science/Marine Chemistry/ Chemical Oceanography/ Analytical Chemistry or equivalent from a recognized University/Institute with 60% marks or equivalent grade.	i. Ph.D. in Marine Science/ Marine Chemistry/Chemical Oceanography or equivalent from a recognized University/Institute. ii. Should have adequate experience in the collection and analysis of chemical oceanographic parameters, marine ecosystem studies.	To participate in cruises for collection of samples and analysis of various chemical parameters such as nutrients, dissolved gases. Execution of laboratory and field experiments related to coastal pollution assessment.

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				iii. Experience in handling of analytical instruments like Auto-Analyser, Coulometer, Auto Titrators, TOC analyser, GC, AAS, ICPMS, UHPLC etc.	Preparation of reports and research publications
30	**SRF** **1 Post** **Marine Chemistry**	**SRF-MC30**	i. Master's Degree in Marine Science/Marine Chemistry/Chemical Oceanography / Analytical Chemistry or equivalent from a recognized University/Institute with 60% marks or equivalent grade. ii. NET/CSIR-UGC NET/GATE qualification with two years of research experience in the analysis of chemical oceanographic parameters.	i. Adequate experience in the collection and analysis of chemical oceanographic parameters.	To participate in cruises onboard research and sea-going vessels for collection of water and sediment samples for the analysis of various chemical oceanographic parameters.
31	**SRF** **1 Post** **Microbiology**	**SRF-MI31**	i. Master's Degree in Microbiology/Life Sciences from a recognized University / Institute with at least first class 60% marks or equivalent grade. ii. NET/CSIR-UGC NET/GATE qualification with two years of experience in microbiological analysis preferable in a Institute/University	i. Adequate experience in the screening and identification of microorganisms	Collection and analysis of microbial samples by participating in cruises onboard sea-going vessels.
32	**SRF** **Marine Biology** **2 Posts**	**SRF-MB32**	i. Master's Degree in Zoology/Marine Biology/Life Sciences or equivalent from a recognized University/Institute with at least first class 60% marks or equivalent grade. ii. NET/CSIR-UGC NET/GATE qualification with two years of research experience in analysis and identification of marine zooplankton / marine benthos/marine phytoplankton.	i. Adequate experience in collection, taxonomic identification of marine zooplankton/marine phytoplankton/marine benthos	Field collection & analysis of marine zooplankton/ phytoplankton / benthos samples by participating in cruises onboard research vessels/fishing boats.

S.N.	Post Name, No. of Posts & Discipline	Post Code	Essential Qualification	Desirable Qualification	Nature of work
33	**Technical Assistant (TA)** **1 Post** **Chemistry**	**TA-CH33**	i. Bachelor's degree in Chemistry from a recognized University.	i. Two years of experience in chemical analysis, handling of analytical instruments / equipments.	To assist the scientists in the field collection and analysis of samples.
34	**Field Assistant (FA)** **6 Posts**	**FA34**	i. Degree in science or diploma in engineering or equivalent from a recognized University / Institute. ii. Swimming experience and willingness to work onboard research vessels/fishing boats.	i. Work experience in coastal and marine field surveys. ii. Working knowledge in a R&D laboratory.	To assist the scientists in the field and laboratory activities.
35	**Field Assistant (FA)** **3 Posts**	**FA35**	i. Degree in science or diploma in engineering or equivalent from a recognized University / Institute. ii. Must have knowledge of swimming and skin diving. iii. Working experience in Scientific Departments/ Laboratory/universities in the field of marine sciences.	i. Experience in coral reef monitoring, deployment of restoration frames, coral fragment implantation. ii. Experience in the collection of seawater, sediment and biological samples	Assist the scientists in the field for coral reef monitoring and restoration activities and mangrove studies.

General Conditions

1. Applicant must be a citizen of India. All the positions are temporary and on contract basis. The completion of the period of contract will not confer any right for further regularisation and permanency at NCCR.

2. The remuneration, age limit will be as per OM No.MoES/25/07/2011-Estt, dated 24.05.2021 of Ministry of Earth Sciences,

3. Instructions on reservations as received from Govt. of India from time to time shall be implemented.

4. **Age Limit :**

Post Name	No. of Vacancies	Age (Years)
Project Scientist–III (PS-III)	**3**	45
Project Scientist–II (PS-II)	**35**	40
Project Scientist–I (PS-I)	**29** [SC-4,ST-2,OBC-8,EWS-3,UR-12]	35
Senior Research Fellow (SRF)	**4** [SC-1, OBC-1,UR-2]	32
Technical Assistant (TA)	**1**	50
Field Assistant (FA)	**9** [SC-1,ST-1,OBC-2,EWS-1,UR-4]	50

The applicant should not have exceeded the age limit specified above as on **01.07.2021.** Maximum age relaxation of 05 years is applicable to SC/ST and 3 Years for OBC applicants. Age relaxation for PwD/Ex-servicemen will be considered as per Govt. of India rules.

5. Date of birth as recorded in the 10th standard (SSLC/Matriculation) Mark sheet / Transfer Certificate / Certificate of Domicile / Birth Certificate issued by competent authority will be accepted as proof of age.

6. Number of vacancies advertised is tentative and the same may increase or decrease on the basis of the project requirements and directions from the Ministry of Earth Sciences (MoES).

7. SC/ST/OBC/PwD/EWS applicants should produce the required certificates in the prescribed format duly signed by the issuing authority at the time of submission of application by both online and offline. OBC applicants shall produce the required certificate valid for appointment of posts under the Central Government.

8. The prescribed educational qualifications should have been obtained from recognized Board/Institutions/Universities.

9. Applicant should ensure that he/she possesses essential educational qualification and experience in the relevant area as required for the post, for which he/she is applying, on the last date of filling of online application.

10. In case a particular institute does not have any criteria for first class or equivalent, 60% marks will be taken as equivalent to first class. In such cases where conversion formula is not available, CGPA/CPI of 6.75 (for a 10 point scale) will be taken as equivalent to 60% as per AICTE guidelines.

11. The prescribed essential qualifications are the minimum and mere possession of the same does not entitle applicants to be called for Interview / Trade test/written test. Written test will be conducted for PS-1 & SRF posts and trade test will be conducted for TA & FA posts, prior to the interview.

12. The decision of NCCR in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, will be final and binding on the applicants and no enquiry or correspondence will be entertained in this connection.

13. Experience certificate issued from competent administrative authority of the concerned organization will only be considered.

14. The period of experience for the post / area of work wherever prescribed shall be counted from the date of acquiring the prescribed minimum educational qualifications, required for that post.

15. Candidates currently working need to provide the proof of their current employment with a service / experience certificate from the employer. Appointment order will not be considered as proof of current employment.

16. Doctorate degree in the relevant field for the applied post will be counted as 03 years experience.

17. NCCR strives to have a workforce which reflects gender balance and women candidates are encouraged to apply for the posts.

18. Applicants working in Government departments, autonomous bodies, public sector undertakings and Government Funded research institutions should forward their applications through proper channel with a certificate that the applicant will be relieved immediately of his/her duties in the event of his/her selection.

19. To apply, the applicant must fill the online application first and upload the scanned image of passport size color photograph and relevant self-attested copies of all semester mark sheets and degree certificate for academic / professional qualifications, experience certificates, caste certificate, etc, where upload options are given in the online application form.

20. The hard copy (Print-out) of the application should be accompanied by self-attested copies of the relevant certificates/supportive documents should reach this office on or

before the due date. Incomplete applications, not accompanied with the required certificates and documents or received after the closing date are liable to be rejected.

21. Following documents must be attached along with the physical/hard copy (Print-out) of Online application form should be sent by **speed post ONLY** :

    i. Color passport size photograph, attached to the application form.

    ii. Self attested photocopy of 10th mark sheet / certificate or equivalent, indicating Date of Birth

    iii. Self attested photocopy of 12th mark sheet / certificate.

    iv. Self attested photocopies of all degree certificates along with consolidated mark sheet indicating first class/division and marks.

    v. Self attested photocopy of community certificate for SC/ST/OBC categories, if applicable.

    vi. Self attested photocopies of experience certificates, if applicable.

    vii. Relevant certificate copies for PwD/EWS, if applicable.

    viii. All other supportive documents relevant to the post applied for, in support of the application. Applications without any supportive documents will be rejected.

22. The **hard copy application** along with supportive documents should be sent to **The Director, National Centre for Coastal Research (NCCR), Ministry of Earth Sciences, 2ⁿᵈ Floor, NIOT Campus, Velachery-Tambaram Main Road, Pallikaranai, Chennai 600 100 in a cover superscribed as "Application for *<mention Post code> - <Reference no>*** (For example, for applying the post at Sl.No.2 of the advertisement qualifications details, the cover should be superscribed as **"Application for PS-III-MB2 - xxxxxx"** (where xxxxxx is the system generated reference no, printed in the online application form).

23. Applicants applying for more than one post should submit separate application form for each post and the respective hard copies should be sent in separate envelopes. All the applications placed in a single envelope will not be considered. Candidates are informed to apply for relevant posts, not exceeding two post codes.

24. Applicants should specifically note that the applications received after the closing date for any reason whatsoever (such as envelopes wrongly addressed, delivered elsewhere, postal delay etc.) will be rejected.

25. The decision of the Director, NCCR in all matters relating to eligibility, acceptance or rejection of applications, conduct of trade test and not to fill up all or any of the posts will be final and binding on the applicants and no enquiry or correspondence will be entertained in this regard from any individual.

26. Applicants should produce all the original certificates as and when required. Discrepancies found in the certificates and the supportive documents or concealing

the facts will attract the disqualification of applicant. Non-production of the original certificates at the time of interview will also make the candidate disqualified.

27. The place of posting will be in Chennai or at any other location in India including Andaman & Nicobar, Lakshadweep Islands.

28. Applicant should be willing to undertake field data collection programs, participation in small boats/ fishing trawlers/research vessels for oceanographic survey.

29. If the number of applicants are reasonably very high, then the applicants will be short-listed by a screening committee based on academic qualification and relevant experience. In case of short listing is done by screening committee, then the committee will adopt suitable criteria for bringing down the number of applicants to be called for interview.

30. The selection for the posts will be on the basis of performance of the screened-in candidates in the interview. Director, NCCR reserves the right to decide on the mode of interview either online/ offline. In case of online interview, all short-listed candidates will be provided link for attending the online interview and the invitation link will be communicated separately and candidates should make their own arrangements for attending interview in terms of connectivity of internet .

31. Applicants have to login to the recruitment portal of NCCR to fill the online application form and upload documents (in PDF format with file size limitation), as indicated in the advertisement form.

32. The applicant is solely responsible for the correctness of the information provided in the application. If it is found at a later date that any information given in the application is incorrect or false, the candidature is liable to be cancelled, or the appointment will be terminated.

33. Incomplete applications (i.e. without photograph, without reference number, without signature, without relevant certificates/mark sheets/documents and applicable testimonials, etc.) will not be entertained and will be summarily rejected.

34. Incomplete applications or applications received after the prescribed time limit will not be considered.

Any further information regarding this advertisement like date, time and venue of interview / tests, addendum/corrigendum or any variation in number of post/cancellation of post. and all future updates will be uploaded on the NCCR website (https://www.nccr.gov.in) only. Therefore, applicants are informed to visit NCCR website/page regularly (https://www.nccr.gov.in/NRect2021/nrect1.htm)

35. Canvassing in any form and/or bringing in any influence political or otherwise will be treated as a disqualification for the post

HOW TO APPLY:

36. Applicants are requested to read the advertisement details carefully before applying for the above posts and should follow the prescribed procedure for submission of online application.

37. Applicants are advised to fill their correct and active e-mail address in the registration/online application, as all correspondence will be made by NCCR through the registered e-mail of the applicant.

38. The various steps involved in the recruitment process are: 1) Online Registration 2) Activate Account 3) Scanned files for color passport size photo (in .png/.jpg and others in .pdf format with limited file size), community certificate (if needed), all educational qualification mark sheets/certificates starting from 10th/SSLC/Matric to degree in separate files, training certificates, experience certificates, list of publications, etc. The degree certificate or equivalent and consolidated mark sheet are essential and without the supportive documents, the application is treated as incomplete application and will be rejected. 4) Apply Online and upload the necessary documents 4) Take print-out of the online application & sign the application and 5) Send the hard copy application (duly signed) along with necessary copies of certificates (self attested) and supportive documents to **NCCR by Speed Post**.

39. Applicant has to fill the online application and upon submission, each application will be assigned a system generated reference number.

40. Applicant should upload the educational certificates and relevant documents (in PDF format with) as listed in the advertisement. Also ensure that the uploaded file name should not have more than one dot. Applicants are informed to ensure that the file is uploaded successfully.

41. Applicant will receive an auto generated email regarding their registration, submission of application details, etc. Applicants are requested to check their spam / junk folder as there may be a chance of this mail placed at user's spam / junk folder.

42. Applicant has to take printout of the submitted application, **duly signed** and send to NCCR, with the requisite self attested copies of all relevant certificates and documents **by speed post**. Applicants should ensure that the **system generated Reference Number is printed on the hard copy application form**, before sending the application. The hard copy application without Reference Number (Printed), without supportive/necessary certificates/documents and / or without signature will be treated as incomplete application and it will be rejected.

43. **The hard copy Application should be sent by Speed Post, addressed to The Director, National Centre for Coastal Research (NCCR), Ministry of Earth Sciences, 2nd Floor, NIOT Campus, Velachery-Tambaram Main Road, Pallikaranai,**

Chennai 600 100 in a cover superscribed as "Application for *<mention Post code> - <Reference no>* (For example, for applying the post at Sl.No.2 of the advertisement (table containing post codes, qualifications, etc), the cover should be superscribed as **"Application for PS-III-MB2 - xxxx"** where xxxx is the reference no., printed in the application form). The hard copy application will be used for screening purpose and hence applicants are informed to ensure their application is complete in all respects.

44. Applications without the requisite certificates, passport size photograph and signature of the applicant will be summarily rejected. Passport size color photo should be attached to the hard copy application. Original certificate should not be sent with the application form.

45. Applications received through emails or Incomplete applications or applications received after the prescribed time limit will be rejected. NCCR cannot take any responsibility for transit and other delays.

46. No Travelling Allowance will be paid for attending the interview / written test, if any.

47. If there is any difficulties in the process of submitting online application, send email request to rect@nccr.gov.in with all relevant details including any error message, screen-shot, etc.

Link for Online Application URL: https://www.nccr.gov.in/NRect2021/nrect1.htm

Online registration commencement date	:	**24.07.2021 9:00 PM**
Last date for submission of online applications	:	**20.08.2021 5:00 PM**
Last date for receipt of applications (hard copy)	:	**27.08.2021 5:00 PM**
Last date for receipt of applications (hard copy) from North Eastern States, Jammu & Kashmir, Andaman and Nicobar Islands and Lakshadweep.	:	**03.09.2021 5:00 PM**

HEAD OF OFFICE