Indian National Centre for Ocean Information Services (INCOIS)
(An Autonomous Body under the Ministry of Earth Sciences (MoES), Govt of India)
"Ocean Valley", Pragathi Nagar (BO), Nizampet (SO), Hyderabad, Telangana - 500090

Advt. No. INCOIS/RMT/02/2025

The Indian National Centre for Ocean Information Services (INCOIS), an Autonomous Body under the Ministry of Earth Sciences (MoES), Govt. of India is a knowledge and information technology enterprise for the oceanic realm, pursuing focused programmes in the areas of Ocean Observations, Ocean Modeling Ocean Information & Advisory Services including Tsunami Early Warning. More details about INCOIS are available at www.incois.gov.in.

Online applications are invited from eligible Indian Nationals for engagement on contract basis against the following temporary positions in the projects approved for the period 2021-26 by Govt. of India. Online applications are invited from eligible Indian nationals for engagement on a contract basis against the following temporary positions in projects approved by the Government of India for the period 2021–2026. The positions will be initially until March 2026 and co-terminus with the projects, whichever is earlier. The tenure may be extended based on performance and project requirements subject to extension of the projects. Details about the positions, reservation, consolidated emoluments, academic qualifications, age, experience, and responsibilities of the contract positions, format of application and other general conditions are given below:

Sl. No.	Name of the position	Reservation					Total
		UR	SC	ST	OBC	EWS	
1.	Project Scientist III	04	--	--	--	--	04
2.	Project Scientist II	16	--	--	--	--	16
3.	Project Scientist I	03	2	2	--	2	09
4.	Project Assistants	9	2	1	3	2	17
5.	Project Scientific Administrative Assistant	8	2	1	3	1	15

Category: Project Scientist – III; No. of Posts: 04; Reservations: Not Applicable/ NIL
Post Code: 01 Division Code: MDA-01 Name of the Post: Project Scientist – III No. of Posts: 01 (One)

Age Limit: 45 Years		
Consolidated Monthly Emoluments: Rs. 78,000 + HRA.		
Essential Qualifications & Experience:	:	Master's Degree in Atmospheric Sciences/ Climate Sciences/ Meteorology / Physical Oceanography/ Oceanography/ Ocean Engineering from a recognized university/institute with first class and at least 60% of marks in the qualifying degree. AND 7 (Seven) years of experience in ocean modeling/data analysis/process studies or data assimilation, proven through SCI publications in the field relevant to the job description. • Experience with data analysis software such as Ferret, python, GrADS, Matlab, ODV etc. and programming languages (such as Fortran, C), Shell scripting etc.; experience in AI & ML applications, handling of satellite data and its processing. Working experience in LINUX / UNIX platforms. • Experience in handling/processing of large-volume data (in-situ, remote sensing, climate model simulations, etc.) and conversant with data format like NetCDF, HDF, GRIB etc. and use of professional data visualization software and statistical packages.
Desirable Qualification:	:	• Ph.D. in Physics/ Oceanography/Physical Oceanography/Meteorology/Atmospheric Science from a recognized university.
Responsibilities	:	Responsibilities will include one or more of the following activities: • Development/configuration/fine tuning of Wave or Ocean Circulation models • Development/implementation/fine tuning of Data Assimilation packages for operational ocean services. • Analysis of Climate Projections Any other jobs that may be assigned from time to time.
Post Code: 02		
Division Code: ARO-01		
Name of the Post: Project Scientist – III		

No. of Posts: 01 (One)
Age Limit: 45 Years
Consolidated Monthly Emoluments: Rs. 78,000 + HRA.

Essential Qualifications & Experience:	:	Master's Degree in Geophysics / Marine Geophysics/ Marine Geology from a recognized university / institute with first class and at least 60% of marks in the qualifying degree. AND 7 (Seven) years of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: • Geodesy, Computational Geophysics, Seismological data processing, analysis, geophysics related studies / field works, tsunami sciences etc. • Experience in handling GNSS and SMA observatories and data processing and analysis. • Analysis of seismic, non-seismic and complex source events for Tsunami's detection. • R&D activities related to Tsunami numerical modelling. • Data analysis software, programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.) on LINUX / UNIX platforms.
Desirable Qualification:	:	Ph.D in Geophysics/ Seismology/ Geology/ Geodesy from a recognized university.
Responsibilities	:	Responsibilities will include one or more of the following activities: • Seismic data analysis for improving the earthquake source parameters and provide timely advisories in operational services. • GNSS Data processing / analysis for earthquake source parameters • SMA Data processing / analysis for earthquake source parameters • Work on Non-Seismic and Complex source (Volcano / landslide / meteo) source tsunamis monitoring / forecast • Work on Numerical Modelling of tsunamis generated by Seismic, Non-Seismic and complex

		source
		• Geophysical Inversion formulations and focused Research on Volcano eruption, flank collapse /Landslide /Meteo tsunamis.
		• Coastal Inundation modeling of vulnerable Indian coasts.
		• Probabilistic Tsunami Hazard assessment. Earthquake source studies and computational geophysics
		• Supporting tsunami advisories, scientific and technical documentation.
		• Work in shifts on 24x7 basis to routinely carry out the day- to-day activities for successfully running of the Operational Ocean Services.
		• 24X7 operational activities.
		• R&D and teaching activities.
		Any other jobs that may be assigned from time to time.

Post Code: 03
Division Code: ITCOO-01
Name of the Post: Project Scientist – III
No. of Posts: 02 (Two)
Age Limit: 45 Years
Consolidated Monthly Emoluments: Rs. 78,000 + HRA.

Essential Qualifications & Experience:	:	Masters degree in Oceanic Sciences/ Marine Sciences / Oceanography / Physical Oceanography/ Physics/ Environmental Sciences from a recognized university/institute with first class and at least 60% of marks in the qualifying degree. AND 7 (Seven) years of experience in one or more of the following areas • International relations, training and coordination of activities related to intergovernmental bodies viz., IOC/UNESCO, multi-lateral & bi-lateral collaborations with other counties. • Scientific research work proven through reputed publications/ popular articles in magazines, news papers etc.
Desirable Qualification:	:	Ph.D. in Physical Oceanography /Marine Sciences / Meteorology/ Physics.
Responsibilities	:	Responsibilities will include one or more of the following activities:

		• Public Relations, popularizing the scientific activities of INCOIS through print, electronic and social media. • Activities related to intergovernmental bodies (IOC, IIOE-2, IOGOOS, SIBER, IOR-DCC, IORA Centre of Excellence, etc.), coordinate the bilateral, multi-lateral collaborations, etc. • Support in ITCOocean Training activities, workshops, webinars, etc • R&D and teaching activities. • 24/7 shift operations. Any other jobs that may be assigned from time to time.

Category: Project Scientist – II; No. of Posts: 16; Reservations: Not Applicable/ NIL

Post Code: 04
Division Code: OOS-01
Name of the Post: Project Scientist – II
No. of Posts: 01 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Master's Degree in Oceanography/ Ocean Engineering/ Physical Oceanography/ Atmospheric Sciences/ Meteorology/ Climate Sciences with first class and at least 60% of marks in the qualifying degree. AND 3 (three) years of experience in one or more of the following areas: • Business development/ marketing of various products in operational oceanographic services supported by relevant documents/project reports etc. • Experience with data analysis/market study on fishery resources or ocean services using computer aided statistical techniques • Good knowledge on cost estimation and cost benefit analysis.
Desirable Qualification:	:	Master's Degree in Business Administration / Management Studiesfrom a recognized university.
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Business development projects (including commercialization, marketing, Sales, etc.) and user engagement. • Interact with relevant industries and identity

		requirements of industries with regard to existing products and services of INCOIS.
		• Assess demand for new products and services.
		• Carryout systematic analysis of the data collected and identify areas of future focus by INCOIS.
		• 24/7 shift operations.
		• R&D and teaching activities.
		Any other job that may be assigned from time to time.

Post Code: 05
Division Code: OOS-02
Name of the Post Project Scientist –II
No. of Posts: 01 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: RS.67,000 + HRA

Essential Qualifications & Experience:	:	Master's Degree in Atmospheric Sciences/ Environmental Science/ Marine Science/ Geology/ Geophysics/ Oceanography/ Physics/ Science Communication from a recognized board or university with first class and at least 60% of marks in the qualifying degree.
		AND
		3 years of Experience in one or more of the following areas:
		• Scientific communication, Media (print, electronic and social), public affairs & public relations, science policy work.
		• Experience proven through reputed publications/ popular articles in magazines, news papers, etc
Desirable Qualification:	:	Diploma/ PG Diploma/ Certificate Course (of min 6 months) in Media communication or Mass communication or public services or global affairs or international relations
Responsibilities	:	• Outreach activities to popularize the ocean information and advisory services of INCOIS including Tsunami warnings, PFZ, OSF, etc.
		• Public Relations, popularizing the scientific activities of INCOIS through print, electronic and social media.
		• Support in ITCOocean Training activities, workshops, webinars, etc.
		• Support in managing INCOIS Library activities.
		• Coordination with Schools / Colleges / General public to conduct their visit to INCOIS labs, conduct of open days, etc.
		Any other jobs that may be assigned from time to time.

Post Code: 06 Division Code: OON-01 Name of the Post: Project Scientist – II No. of Posts: 02 (Two) Age Limit: 40 Years Consolidated Monthly Emoluments: Rs. 67,000 + HRA		
Essential Qualifications & Experience	:	Master's Degree in Atmospheric Sciences/ Meteorology / Physical Oceanography/ Oceanography/ Marine Geophysics/ Marine Science/ Marine Chemistry from a recognized university/ institute with first class and at least 60% of marks in the qualifying degree. AND **3 (three)** years of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: • Ocean observations (in situ, Remote Sensing, ship based), laboratory analysis, processing of high-resolution ocean/atmospheric data including eddy covariance and atmospheric turbulence data, etc. • Analysis of oceanic and marine-meteorological data from in-situ and ship-based platforms, processing of high-resolution ocean/marine meteorological data including reanalysis data & process studies, etc. • Experience in participation in scientific cruises at sea, handling (deployment, recovery, and preliminary data analysis) of the oceanographic instruments at sea, experience in instrument testing, assembly, calibration, and configuration of oceanographic platforms/gadgets such as VMP, uCTD, mooring data, ASIMET, Deep Sea Glider, Deep Profiling Argo Float, Wave Drifters, Tide Gauges, CTD, Lagrangian float, ADCP, ECFS, DCFS, Radiosonde observation etc. • Experience in handling and processing of large volumes of data (in-situ, remote sensing, climate model simulations, etc.) and conversant with data formats like NetCDF, HDF, GRIB etc. and use of professional data visualisation software and statistical packages.
Desirable Qualification	:	Ph.D. in Oceanography/Physical Oceanography/ Atmospheric Sciences/ Meteorology/ from a recognized university
Responsibilities	:	Responsibilities will include one or more of the following activities: • Co-ordinate the ocean observations (in situ and ship-

		based) activities, processing of high-resolution ocean/atmospheric data including process-specific studies, etc.
		• Study Indian Ocean dynamics, mixing processes and synoptic scale variabilities and improvement and fine-tuning of ocean model parametrization
		• Carryout data analysis using software (Ferret, python, GrADS, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.), and AI&ML applications.
		• Handling of large volumes of data acquisition, quality control, data processing (in-situ, remote sensing, climatology, etc.) and analysis with a conversant with data formats like NetCDF, HDF, GRIB, GrADS etc.
		• Research publications in reputed peer-reviewed SCI publications and preparation of technical reports on validation of data from in-situ ocean observation platforms.
		• Handling and participating on various scientific cruises for deployment and recovery of various autonomous and non-autonomous observing platforms in Sea.
		• 24/7 shift operations.
		• R&D and teaching activities.
		• Teach relevant courses in the International Training Centre for Operational Oceanography.
		Any other job that may be assigned from time to time

Post Code: 07
Division Code: MDA-2
Name of the Post: Project Scientist – II
No. of Posts: 02 (Two)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Master's Degree in Atmospheric Sciences/ Climate Sciences/ Meteorology / Physical Oceanography/ Oceanography/ Ocean Engineering from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
		AND
		3 (three) years of experience in ocean modeling/data analysis/process studies or data assimilation, proven through SCI publications in the field relevant to the job description:

Desirable Qualification:	:	- Ph.D. in Oceanography/ Ocean Engineering/ Physical Oceanography/ Meteorology/Atmospheric Science from a recognized university. - Experience with data analysis software such as Ferret, python, GrADS, Matlab, ODV etc. and programming languages (such as Fortran, C), Shell scripting etc.; experience in AI & ML applications, handling of satellite data and its processing. Working experience in LINUX / UNIX platforms. - Experience in handling/processing of large-volume data (in-situ, remote sensing, climate model simulations, etc.) and conversant with data format like NetCDF, HDF, GRIB etc. and use of professional data visualization software and statistical packages.
Responsibilities	:	**Responsibilities will include one or more of the following activities:** - Development/configuration/fine tuning of Wave or Ocean Circulation models - Development/implementation/fine tuning of Data Assimilation packages for operational ocean services. - Analysis of Climate Projections Any other job that may be assigned from time to time.

Post Code: 08
Division Code: ARO-2
Name of the Post: Project Scientist – II
No. of Posts: 01 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Master's Degree in Oceanography/ Physical Oceanography/ Marine Science/ Climate Science/ Physics / Mathematics / Statistics / AI / Data science or any other closely related field from a recognized university/institute with first class and at least 60% of marks in the qualifying degree. AND **3 (three) years** of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description:

		• Experience with optimization algorithms (e.g., Dijkstra, genetic algorithms, swarm optimization, dynamic programming, heuristic) for spatiotemporal data. • Experience with non-linear / multi-objective/ multi-variate optimization and route optimization • Experience with application of AI/ML techniques (e.g., time series analysis, regression models, clustering techniques, principal component analysis, ensemble techniques, neural networks, hybrid modelling) to Oceanography/Earth System Science • Research experience in Lagrangian Modelling / Ocean Modelling/ Coupled (ocean-atmosphere) modelling/Cyclone modelling/Climate variability/Atmosphere dynamics/Ocean dynamics/Air Sea interaction/ Data Assimilation. • Data analysis software (Ferret, python, GrADS, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.), Knowledge in LINUX / UNIX platforms. Familiarity with High-Performance Computing (HPC) environments • Experience in handling of large volume of data and data processing (in-situ, remote sensing, climate model simulations, etc.) and conversant with data format like NetCDF, HDF, GRIB etc. and use of professional data visualization software and statistical packages.
Desirable Qualification:	:	Ph.D. in Oceanography/Physical Oceanography/ Marine Science/ Climate Sciences / Physics / Mathematics or any other closely related field from a recognized university.
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Development and application of optimization algorithms (e.g., Dijkstra, genetic algorithms, dynamic programming, heuristics) and machine learning/statistical techniques to optimal ship weather routing • Development of multi-variate or multi-objective

optimizations for route planning and ocean forecasting
- Development/improvement statistical and soft computing techniques, and AI/ML techniques for ocean state forecasting; Work with local as well as HPC environments
- Development / improvement/ fine tuning of Lagrangian modelling (e.g., LEEWAY, GNOME and OpenDrift) / Ocean modelling for improving operational services; Improvement of Search and Resue systems
- Processing of numerical model outputs; Verification and skill assessment of forecasts (e.g., RMSE, bias, anomaly correlation)
- Data analysis using software (Ferret, python, GrADS, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.), AI&ML applications, Ensemble techniques
- Handling of large volume of data acquisition, quality control, data processing (in-situ, remote sensing, climatology, etc.) in data formats like NetCDF, HDF, GRIB, GrADS etc.
- Research publications in reputed peer-reviewed SCI publications.
- R&D and teaching relevant courses at the International Training Centre for Operational Oceanography.

Any other job that may be assigned from time to time.

Post Code: 09
Division Code: ARO-3
Name of the Post: Project Scientist – II
No. of Posts: 01 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Masters degree in Ocean Engineering/Naval Architecture/Marine Engineering/ Ocean Technology or any other closely related field from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
		AND
		3 (three) years of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description:

		• Experience with ship resistance calculations such as calm water resistance, added resistance due ocean weather (winds, waves, and currents), seakeeping, fluid dynamics, boundary layer, etc.
		• Experience with hull design parameters, resistance prediction methods, ship performance curves, etc.
		• Experience with various softwares/applications such as Maxsurf, NAPA, WAMIT, to generate hull form, ship performance curves in various weather conditions, etc.
		• Experience with route planning models/ and ship fuel consumption modelling under environmental load.
		• Experience with ship routing software such as BonVoyage, SPOS, WNI, OpenCPN, etc.
		• Experience with optimization algorithms (e.g., Dijkstra, genetic algorithms, dynamic programming) and machine learning/statistical techniques for spatiotemporal data.
		• Experience with route optimization, marine traffic analysis, IMO guidelines, ECDIS, or marine navigation systems, fleet management
		• Experience with numerical ocean/wave models (e.g., WW3, MOM, HYCOM, ROMS)
		• Experience with data analysis software (Ferret, python, GrADS, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.), Knowledge in LINUX / UNIX platforms.
		• Experience in handling of large volume of data and data processing (in-situ, remote sensing, climate model simulations, etc.) and conversant with data format like NetCDF, HDF, GRIB etc. and use of professional data visualization software and statistical packages.
Desirable Qualification:	:	Ph.D. in Ocean Engineering/Naval Architecture/Marine Engineering/Ocean Technology or any other closely related subject from a recognized university
Responsibilities	:	**Responsibilities will include one or more of the following activities:**

		• Calculating ship resistance in calm waters, added resistance due to ocean weather (winds, waves, and currents), seakeeping, fluid dynamics, boundary layer, etc. • Generating hull form, ship performance curves in various weather conditions, etc. using various softwares/applications such as Maxsurf, NAPA, and WAMIT • Route planning and ship fuel consumption modelling under environmental load • Development and application of optimization algorithms (e.g., Dijkstra, genetic algorithms, dynamic programming) and machine learning/statistical techniques to optimal ship weather routing and the incorporation of marine traffic analysis, IMO guidelines, ECDIS, or marine navigation systems • Acquisition, processing, and application of ship performance, routes, and associated data for ship weather routing • Data analysis using software (Ferret, python, GrADS, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.), AI&ML applications, Ensemble techniques • Handling of large volume of data acquisition, quality control, data processing (in-situ, remote sensing, climatology, etc.) in data formats like NetCDF, HDF, GRIB, GrADS etc. • Research publications in reputed peer-reviewed SCI publications. • R&D and teaching activities. • Teach relevant courses at the International Training Centre for Operational Oceanography. Any other job that may be assigned from time to time.

Post Code: 10
Division Code: ARO-4
Name of the Post: Project Scientist – II
No. of Posts: 01 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Master's degree in Physical Oceanography / Chemical Oceanography / Fisheries Resource Management/ Marine Science/ Marine Biology from a recognized

university/institute with first class and at least 60% of marks in the qualifying degree.

AND

3 (three) years of experience in the following areas proven through SCI publications in the field relevant to the job description:

- Research experience in fishery oceanography/marine fishery habitat suitability studies/ ecosystem modelling/ climate change impact on marine ecosystem and fisheries or in any closely related fields.
- Experience with application of Artificial Intelligence or Machine Learning Methods to fishery studies/ fishery modeling/ habitat suitability study with experience in handling fishery & BGC data, OGCM model outputs.
- Data analysis software (Ferret, python, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran etc.), AI & ML applications. Knowledge of LINUX / UNIX platforms and Shell scripting.
- Experience in handling of large volumes of data (in-situ, remote sensing, model simulations, etc.) and conversant with data formats like NetCDF, HDF, etc. and use of professional data visualization software and statistical packages.
- Experience in participation in scientific cruises at sea, handling (deployment, recovery, and preliminary data analysis) of the oceanographic instruments at sea, water sample collection & analysis for fishery and biogeochemical studies.

Desirable Qualification:	:	Ph.D. in Physical Oceanography / Chemical Oceanography / Fisheries Resource Management/ Marine Science/ Marine Biology or any closely related fields from a recognized university.
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Development / improvement/ fine tuning of AI-ML based methods for fisheries advisory research and

		services.
		• Research towards marine fishery habitat suitability/species specific fishery prediction/ ecosystem model/ climate change impact on marine ecosystem and fisheries.
		• Research publications in reputed peer-reviewed SCI publications.
		• Participating on various scientific cruises, handling oceanographic instruments at sea, water sample collection and analysis for fishery and biogeochemical studies.
		• R&D and teaching activities.
		• Teach relevant courses in the International Training Centre for Operational Oceanography.
		Any other job that may be assigned from time to time.

Post Code: 11
Division Code: ODM-01
Name of the Post: Project Scientist – II
No. of Posts: 1 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Master's Degree in Atmospheric Sciences/ Climate Sciences/ Meteorology / Physical Oceanography/ Oceanography/ Ocean Engineering/ Computer Science/ Computer Applications from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
		AND
		3 (three) years of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description:
		• Ocean observations (in situ, Remote Sensing, ship based), laboratory analysis, processing of high-resolution ocean/atmospheric data including bio-optical, physico-chemical & fisheries data, process studies, etc.
		• Data analysis software (Ferret, python, GrADS, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.), AI & ML applications, Ensemble techniques, GIS

		Application development (Arc Engine, ArcGIS Server, Open-Source GIS tools etc.), Satellite Data processing (SeaDAS etc.). Knowledge in LINUX / UNIX platforms. • Experience in handling of large volume of data and data processing (in-situ, remote sensing, climate model simulations, etc.) and conversant with data format like NetCDF, HDF, GRIB etc. and use of professional data visualization software and statistical packages.
Desirable Qualification:	:	Ph.D. in Oceanography/ Ocean Engineering/ Physical Oceanography/ Atmospheric Sciences/ Meteorology/ Climate Sciences/ Computer Science from a recognized university.
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Ocean observations (in situ, Remote Sensing, ship based), laboratory analysis, processing of high-resolution ocean/atmospheric data including bio-optical, physico-chemical & fisheries data, process studies, etc. • Data analysis software (Ferret, python, GrADS, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.), AI&ML applications, Ensemble techniques, GIS Application development (Arc Engine, ArcGIS Server, open source GIS tools etc.), Satellite Data processing (SeaDAS etc.). • Experience in handling of large volume of data acquisition, quality control, data processing (in-situ, remote sensing, climatology, etc.) and analysis with conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Research publications in reputed peer-reviewed SCI publications. • 24/7 shift operations. • R&D and teaching activities. Any other job that may be assigned from time to time.
Post Code: 12 **Division Code: ICT-1**		

Name of the Post: Project Scientist – II
No. of Posts: 01 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA

Essential Qualifications & Experience:	:	Master's degree in Computers/Information Technology/ Computer Applications [or] Bachelor's degree in engineering or technology in Computers/Information Technology from a recognized university/institute with first class and at least 60% of marks in the qualifying degree. AND **3 (three) years** of experience in one or more of the following areas proven through certifications in the field relevant to the job description: **Technical Skills:** • **Networking Fundamentals:** Knowledge of network topologies (LAN, WAN, VPN, etc.), protocols (TCP/IP, DNS, DHCP), and addressing. • **Hardware:** Familiarity with routers, switches, firewalls, servers, and network monitoring tools. • **Operating Systems:** Expertise in Windows, Linux, or macOS server environments. • **Security:** Understanding of firewalls, VPNs, intrusion detection/prevention systems, and network security best practices. • **Cloud Networking:** Familiarity with cloud platforms and services like AWS, Azure, or Google Cloud. • **Automation:** Skills in scripting and automation tools to streamline network management tasks. • **Troubleshooting:** Ability to diagnose and resolve network issues, including performance problems, connectivity issues, and security breaches. • **Documentation:** Ability to create and maintain accurate documentation of network configurations, hardware, and software.
Desirable Qualification:	:	**Certifications:** Cisco Certified Network Associate (CCNA) / CompTIA Network / Google IT Support Professional Certificate
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Network Administration and Maintenance

		• IT support, Operations and maintenance of ICT infrastructure. • 24/7 shift operations. Any other job that may be assigned from time to time.

Post Code: 13
Division Code: ICT-2
Name of the Post: Project Scientist – II
No. of Posts: 01 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Master's degree in Computers/Information Technology/ Computer Applications [or] Bachelor's degree in Engineering or Technology in Computers/Information Technology from a recognized university/institute with first class and at least 60% of marks in the qualifying degree. AND **3 (three) years** of experience in one or more of the following areas proven through certifications in the field relevant to the job description: **Technical Skills:** • **Understanding of Storage Technologies:** This includes familiarity with various storage hardware and software, such as SANs (Storage Area Networks), NAS (Network Attached Storage), and cloud storage platforms. • **Troubleshooting and Problem-Solving:** The ability to identify, diagnose, and resolve storage-related issues is crucial. • **Network Configuration:** Knowledge of networking protocols and technologies used for storage, such as iSCSI, NFS, and SMB, is essential for connecting storage devices and ensuring data transfer. • **Backup and Recovery:** Implementing and managing backup and recovery procedures is vital for data protection and disaster recovery. • **Storage Optimization and Capacity Planning:** Monitoring storage utilization and proactively planning for future storage needs is important to ensure optimal performance and prevent capacity issues. • **Scripting:** Familiarity with scripting languages like Python or PowerShell can automate repetitive tasks and

		improve efficiency. • **Linux/Windows Administration:** Basic understanding of these operating systems is often necessary for managing storage systems. • **Cloud Computing:** With the increasing use of cloud storage, knowledge of cloud platforms and services is becoming increasingly important. • **Documentation:** Maintaining accurate and up-to-date documentation of storage configurations and procedures is essential for ongoing maintenance and troubleshooting.
Desirable Qualification:	:	**Certifications:** NetApp Certified Data Administrator (NCDA) / Red Hat Certified Specialist in Cluster Storage Administration / Microsoft Certified: Azure Administrator Associate, and VMware Certified Professional - Data Center Virtualization.
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Storage Administration and Maintenance • IT support, Operations and maintenance of ICT infrastructure. • 24/7 shift operations. Any other job that may be assigned from time to time.

Post Code: 14
Division Code: ITCO-2
Name of the Post: Project Scientist – II
No. of Posts: 01 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Master's Degree in Geomatics / Geoinformatics/ Remote Sensing & GIS/ Geospatial Sciences/Spatial Information Technology/ Environmental Sciences from a recognized university/institute with first class and at least 60% of marks in the qualifying degree. AND **3 (three) years** of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: • Experience in teaching/Research in the field of marine and coastal geospatial/Remote Sensing/GIS applications. • Experience in remote sensing and data analysis using

		software (ArcGIS, ArcView, QGIS etc) and programming languages (eg: Matlab, C, Fortran etc.)
Desirable Qualification:	:	Ph.D. in Geomatics / Geoinformatics/ Remote Sensing/ GIS/ Geospatial Science/ Environmental Engineering or similar fields from a recognized university.
Responsibilities	:	**Responsibilities will include one or more of the following activities:** - Teach courses relevant to RS&GIS in the International Training Centre for Operational Oceanography. - Course content development related to Remote sensing and Geographical Information Systems and their applications. - Development and update content on ITCOO website and OTGA LMS for collaborative courses. Any other jobs that may be assigned from time to time.

Post Code: 15
Division Code: ITCO-3
Name of the Post: Project Scientist – II
No. of Posts: 01 (One)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Master's Degree in Atmospheric Sciences/ Climate Sciences/ Meteorology / Physical Oceanography/ Oceanography/ Ocean Engineering from a recognized university/institute with first class and at least 60% of marks in the qualifying degree. AND **3 (three) years** of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: - Research experience in Ocean General Circulation Models / Earth system modelling/ Climate modelling / Coupled (ocean atmosphere) modelling/ Ocean dynamics/Air Sea interaction/ Data Assimilation. - Experience in Teaching at Graduate or Post Graduate level / training in the fields of Atmospheric Sciences / Climate Sciences / Meteorology/ Physical Oceanography.
Desirable Qualification:	:	Ph.D. in Oceanography/ Ocean Engineering/ Physical Oceanography/ Atmospheric Sciences/ Meteorology/

		Climate Sciences from a recognized university.
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Teach courses relevant to Ocean general circulation modelling, coupled ocean-atmospheric models for ocean circulation, waves, storm surges, tsunamis, tides, oil spills, etc and derived operational products, predictions etc. • Course content development related to ocean modelling fundamentals, setting up and running ocean model. • Development and update content on ITCOO website and OTGA LMS for collaborative courses. Any other job that may be assigned from time to time

Post Code: 16
Division Code: ITCO-4
Name of the Post: Project Scientist – II
No. of Posts: 02 (Two)
Age Limit: 40 Years
Consolidated Monthly Emoluments: Rs. 67,000 + HRA.

Essential Qualifications & Experience:	:	Master's Degree in Atmospheric Sciences/ Climate Sciences/ Meteorology / Physical Oceanography/ Oceanography/ Ocean Engineering from a recognized university/institute with first class and at least 60% of marks in the qualifying degree. AND **3 (three) years** of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: • Data analysis software (Ferret, python, GrADS, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.), AI & ML applications, Ensemble techniques, GIS Application development (Arc Engine, ArcGIS Server, Open-Source GIS tools etc.), Satellite Data processing (SeaDAS etc.). Knowledge in LINUX / UNIX platforms. • Experience in handling of large volume of data and data processing (in-situ, remote sensing, climate model simulations, etc.) and conversant with data format like NetCDF, HDF, GRIB etc. and use of professional data visualization software and statistical packages.

		• Experience in handling of the oceanographic instruments at sea, experience in instrument testing, assembly, calibration, and configuration of oceanographic platform / gadgets such as Deep Sea Glider, Deep Profiling Argo Float, Wave Drifters, moorings, Tide Gauges, CTD, uCTD, VMP, Lagrangian float, ADCP, ECFS, DCFS, ASIMET, Radiosonde observation etc. • Experience in Teaching at Graduate or Post Graduate level / training in the fields of Atmospheric Sciences / Climate Sciences / Meteorology/ Physical Oceanography.
Desirable Qualification:		Ph.D. in Oceanography/ Ocean Engineering/ Physical Oceanography/ Atmospheric Sciences/ Meteorology/ Climate Sciences from a recognized university.
Responsibilities		**Responsibilities will include one or more of the following activities:** • Teach courses relevant to Ocean observations, communication, data reception, calibration, handling instruments etc; • Teach courses relevant to Ocean data processing, quality control, products generation etc. • Course content development related to ocean heterogeneous instrumentation and data sets. • Development and update content on ITCOO website and OTGA LMS for collaborative courses. Any other job that may be assigned from time to time.
Category: Project Scientist – I (UR – 03, SC – 02, ST – 02, EWS – 02 Total – 09 Posts)		
Post Code: 17 **Division Code: OOS-03** **Reservation Category: UR** **Name of the Post: Project Scientist – I** **No. of Posts: 01 (One)** **Age Limit: 35 Years** **Consolidated Monthly Emoluments: Rs. 56,000 + HRA.**		
Essential Qualifications:	:	Master's Degree in Atmospheric Sciences / Climate Sciences / Meteorology / Physical Oceanography/ Oceanography/ Computer Science/ Computer Applications/ Geo-informatics/ Mathematics [or] Bachelor's degree in Engineering or Technology in Computers/ Information Technology from a recognized university/institute with first class and at least 60% of marks in the qualifying

		degree.
Desirable Qualifications & Experience:	:	Ph.D. in Physical Oceanography/ Oceanography/ Meteorology/ Atmospheric Sciences/ Climate sciences/ Geo-informatics/ Computer Science/ Information Technology / Mathematics. OR **Two (2)** years of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: • Developing software applications using Java, J2EE, Struts, Spring, Spring Boot and REST API, proficiency in HTML5, PHP, Web GIS, Bootstrap, CSS, JavaScript, Angular JS, ReactJS, TypeScript, UI/UX user centered design and jQuery, proficiency in databases like IBM DB2, MongoDB, Scientific Data management using Oracle and MySQL, PostgreSQL., expertise in Application & Database Server Management, • Working knowledge in Python, R, Fortran, Programming experience with AL/ML tools & Techniques, experience in Content Management Software (CMS). • Development / improvement of Ocean/ atmospheric/ coastal/ sea-ice/ ecosystem modelling or coupled ocean-ecosystem, coupled ocean-atmospheric models for ocean circulation. • Data analysis software (Ferret, Python, GrADS, GMT, ODV etc.), programming languages (Matlab, Python, R, C, C++, Fortran, etc.), AI&ML applications, Ensemble techniques, GIS Application development (Arc Engine, ArcGIS Server, open source GIS tools etc.), Satellite Data processing (SeaDAS). • Development / improvement of operational advisory and forecast services, their impact assessment, user engagement and interaction, business development, etc.
Responsibilities	:	• Work in shifts on 24x7 basis to routinely carry out the day-to-day activities for successfully running of the Operational Ocean Services and guide the duty assistants. • Modelling of Physical and Biogeochemical state of Indian Ocean.

		• Climate modeling using OGCMs. • R&D activities and software development activities intendedtowards enhancement of ocean information and advisory services related to Marine ecosystem, Ocean State Forecast, Oceanogenic disasters, Coastal Geo-Spatial, Ocean Data etc. • Provide operational ocean state forecasts, interact with users of OSF and take feedback on operational services. • Work onboard boats/ships at sea. Any other responsibilities assigned time to time.

Post Code: 18
Division Code: OOS-04
Reservation Category: EWS
Name of the Post: Project Scientist – I
No. of Posts: 01 (one)
Age Limit: 35 Years
Consolidated Monthly Emoluments: Rs. 56,000 + HRA.

Essential Qualifications	:	Master's Degree in Geophysics / Marine Geophysics/ Marine Geology from a recognized university / institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualification&Experience:	:	Ph.D in Geophysics/ Seismology from a recognized university. **OR** **Two (2) years** of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: • Seismological data processing, analysis, geophysics related studies, tsunami sciences etc. • Experience in handling GNSS and SMA observatories and data interpretation • Tsunami's detection and analysis of seismic events • Tsunami modelling, R&D and teaching activities.
Responsibilities	:	• Seismic data analysis for improving the earthquake source parameters and provide timely advisories in operational services. • Supporting tsunami advisories, scientific and technical documentation. • Work in shifts on 24x7 basis to routinely carry out the day- to-day activities for successfully running of the Operational Ocean Services. • 24X7 operational activities. • R&D and teaching activities.

		Any other jobs that may be assigned from time to time.

Post Code: 19
Division Code: OOS-05
Reservation Category: SC
Name of the Post: Project Scientist – I
No. of Posts: 01 (one)
Age Limit: 35 Years
Consolidated Monthly Emoluments: Rs. 56,000 + HRA.

Essential Qualifications	Master's Degree in Geoinformatics / Remote Sensing & GIS/ Geospatial Sciences & Technologies / Spatial Information Technology from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualification& Experience:	Ph.D. in Geospatial Science or related fields from a recognized university. OR **Two (2)** years of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: • Remote sensing & GIS related to coastal multi-hazard vulnerability assessments. • Assessment of coral bleaching, harmful algal blooms using Remote sensing and GIS techniques. • Remote sensing data analysis and image processing using software's such as PostGIS, ArcGIS, ArcView, QGIS, ERDAS Imagine, ENVI, SeaDAS, etc. and programming languages (eg: Matlab, C, C++, Python, R, Fortran etc.) for handling remote sensing data. • GIS Application development (Arc Engine, ArcGIS Server, open-source GIS tools etc.), spatial database management (Post GIS, etc.) • Spatial data analysis and validation using geospatial tools, Use of open-source geospatial tools and machine learning with Earth observation data
Responsibilities	Responsibilities will include one or more of the following activities: • Work (Develop, integrate, validate and improve) on Coral bleaching alerts and Algal Bloom Information services and other Geospatial applications. • Enhancement of ocean information and advisory services related to Marine ecosystem, Ocean State Forecast, Oceanogenic disasters, Coastal Geo-

		Spatial, Ocean Data etc.
		• Field visits and validation of remote sensing based of Multi-hazard Vulnerability mapping of Indian coasts.
		• Work on Coral bleaching alert and Algal Bloom Information services and other Geospatial applications. Assess species wise bleaching response of corals to marine heat waves through field visits.
		• Remote Sensing data acquisition, processing and data dissemination and management.
		• Contribute to consultancy projects taken up by INCOIS time to time.
		• Work in shifts on 24x7 basis to routinely carry out the day- to-day activities for successfully running of the Operational Ocean Services.
		• R&D and supporting, teaching activities, scientific and technical documentation.
		• 24/7 shift operations.
		Any other jobs that may be assigned from time to time.

Post Code: 20
Division Code: OON-2
Reservation Category: UR
Name of the Post: Project Scientist – I
No. of Posts: 01 (One)
Age Limit: 35 Years
Consolidated Monthly Emoluments: Rs. 56,000 + HRA

Essential Qualifications	:	Master's Degree in Physical Oceanography/ Oceanography/ Marine Sciences/ Ocean Engineering/ Ocean technology/ Electronics/ Instrumentation. [or] Bachelor's degree in Engineering or Technology in Electronics/Communications/Instrumentation from a recognized university / institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualification& Experience	:	Ph.D. in Oceanography/ Ocean Engineering/ Physical Oceanography/ Atmospheric Sciences/ Meteorology/ Climate Sciences from a recognized university OR Experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: • Ocean observations (in situ, Remote Sensing, ship

based), laboratory analysis, processing of high-resolution ocean/atmospheric data including bio-optical, physico-chemical & fisheries data, process studies, etc.

- Data analysis software (Ferret, python, GrADS, ODV etc.,), programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.), AI & ML applications, Ensemble techniques, GIS Application development (Arc Engine, ArcGIS Server, Open-Source GIS tools etc.), Satellite Data processing (SeaDAS etc.). Knowledge in LINUX / UNIX platforms.
- Experience in handling of large volume of data and data processing (in-situ, remote sensing, climate model simulations, etc.) and conversant with data format like NetCDF, HDF, GRIB etc. and use of professional data visualization software and statistical packages.
- Experience in participation in scientific cruises at the sea, handling (deployment, recovery, and preliminary data analysis) of the oceanographic instruments at sea, experience in instrument testing, assembly, calibration, and configuration of oceanographic platform / gadgets such as Deep Sea Glider, Deep Profiling Argo Float, Wave Drifters, moorings, CTD, uCTD, VMP, Lagrangian float, ADCP, ECFS, ASIMET, Radiosonde observation etc.

Responsibilities	:	- Handling and participating on various scientific cruises onboard ships/boats for deployment and recovery of various autonomous and non-autonomous observing platforms in Sea - Involve in data analysis using software (Ferret, Python, GrADS, ODV etc.), building program using programming languages (Matlab, Python, R, C/C++, Fortran, Shell scripting etc.). - Handling large volume of data, quality control, data processing (in-situ, remote sensing, climatology, etc.) and analysis and conversant with data format like NetCDF, HDF, GRIB, GrADS etc. - Research publications in reputed peer-reviewed SCI publications. - Participate in research cruises/field campaigns and Any other job that may be assigned from time to time. 24/7 shift operations.

		• R&D and teaching activities. Any other job that may be assigned from time to time.
Post Code: 21 **Division Code: OON-3** **Reservation Category: SC** **Name of the Post: Project Scientist – I** **No. of Posts: 01 (One)** **Age Limit: 35 Years** **Consolidated Monthly Emoluments: Rs. 56,000 + HRA**		
Essential Qualifications	:	Bachelor's degree in Engineering or Technology in Electronics & Communications / Electronics / Instrumentation / Electronics and Instrumentation / Electrical and Electronics from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualification& Experience	:	PhD in Electronics & Communication/ Electronics/Electricals/Instrumentation. OR Experience in one or more of the following areas proven through SCI publications / testimonials in the field relevant to the job description • Instrument testing, assembly, calibration, and configuration of oceanographic platforms / gadgets such as Autonomous underwater Gliders, Argo floats, CTD, uCTD, VMP, ADCP, ship based AWS/ECFS, ASIMET. • Handling (deployment, recovery and preliminary data analysis) and participating on various scientific cruises (including logistics support) for deployment and recovery of various autonomous and non-autonomous observing platforms in Sea
Responsibilities	:	• Handling and participating on various scientific cruises onboard ships/boats for deployment and recovery of various autonomous and non-autonomous observing platforms in Sea • Research publications in reputed peer-reviewed SCI publications/ technical Reports • Participate in research cruises/field campaigns and Any other job that may be assigned from time to time • 24/7 shift operations. • R&D and teaching activities. • Teach relevant courses in the International Training Centre for Operational Oceanography.

		Any other job that may be assigned from time to time
Post Code: 22 **Division Code: OON-4** **Name of the Post: Project Scientist – I** **Reservation Category: ST** **No. of Posts: 01 (One)** **Age Limit: 35 Years** **Consolidated Monthly Emoluments: Rs. 56,000 + HRA**		
Essential Qualifications	:	Bachelor's degree in Engineering or Technology in in Electrical and Electronics Engineering / Electronics and Communication Engineering from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualification& Experience	:	Master's degree in Engineering or Technology in Electrical and Electronics Engineering / Electronics and Communication Engineering. OR Experience in one or more of the following areas, proven through SCI publications / testimonial in the field relevant to the job description. • Experience in instrument testing, assembly, calibration, and configuration of various oceanographic and atmospheric platforms tide gauge, GNSS, SMA, Wave Rider Buoy, AWS, CTD etc. • Handling (deployment, recovery and preliminary data analysis) and participating on various scientific cruises (including logistics support) for deployment and recovery of various autonomous and non-autonomous observing platforms in Sea.
Responsibilities	:	• Installation, testing and regular maintenance of GNSS & SMA stations in Andaman and Nicobar Is. • Site survey, installation, maintenance and data handling of AWS installed on various ships. • Site survey, installation, maintenance and data handling of tide gauges and collocated GNSS at various locations along Indian coastline including Andaman and Nicobar Is. And Lakshadweep Is. • Site survey, installation, maintenance and data handling of INCOIS submarine cables observatory at Andaman and Nicobar Is. • Work onboard boats/ships at sea. • 24/7 shift operations. • R&D and teaching activities.

Post Code: 23 **Division Code: OON-5** **Name of the Post: Project Scientist – I** **Reservation Category: EWS** **No. of Posts: 01 (One)** **Age Limit: 35 Years** **Consolidated Monthly Emoluments: Rs. 56,000 + HRA**		
Essential Qualifications	:	Bachelor's degree in Engineering or Technology in Electrical and Electronics Engineering / Electronics and Communication Engineering from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualification& Experience	:	Master's degree in Engineering or Technology in Electrical and Electronics Engineering / Electronics and Communication Engineering. OR Experience in one or more of the following areas, proven through SCI publications / testimonial in the field relevant to the job description. • Experience in instrument testing, assembly, calibration, and configuration of various oceanographic and atmospheric platforms tide gauge, GNSS, SMA, Wave Rider Buoy, AWS, CTD etc. • Handling (deployment, recovery and preliminary data analysis) and participating on various scientific cruises (including logistics support) for deployment and recovery of various autonomous and non-autonomous observing platforms in Sea.
Responsibilities	:	• Installation, testing and regular maintenance of GNSS & SMA stations in Andaman and Nicobar Is. • Site survey, installation, maintenance and data handling of AWS installed on various ships. • Site survey, installation, maintenance and data handling of tide gauges and collocated GNSS at various locations along Indian coastline including Andaman and Nicobar Is. And Lakshadweep Is. • Site survey, installation, maintenance and data handling of INCOIS submarine cables observatory at Andaman and Nicobar Is. • Work onboard boats/ships at sea. • 24/7 shift operations. • R&D and teaching activities.
Post Code: 24		

Division Code: ARO-5 **Reservation Category: UR** **Name of the Post: Project Scientist – I** **No. of Posts: 01** **Age Limit: 35 Years** **Consolidated Monthly Emoluments: Rs. 56,000 + HRA.**		
Essential Qualifications	:	Master's degree in Physical Oceanography/ Oceanography / Climate Sciences / Computational Fluid Dynamics from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualifications & Experience:	:	Ph.D. in Physical Oceanography/ Oceanography/ Climate sciences. OR **Two (2)** years of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description: • Research experience in Lagrangian Modelling (e.g., GNOME, LEEWAY, OpenDrift, Ichthyop, Parcels)/ Ocean Modelling/ Coupled (ocean-atmosphere) modelling/Cyclone modelling/Climate variability/Ocean dynamics/Air Sea interaction/ Data Assimilation. • Experience with ocean circulation (global, regional, coastal), ocean dynamics: tides, wind-driven circulation, eddies, and inertial oscillations; Mixed-layer physics and air-sea interaction processes • Experience with numerical ocean/wave models (e.g., WW3, MOM, HYCOM, ROMS) • Experience with handling of large volume of data acquisition, quality control, data processing (in-situ, remote sensing, climatology, etc.) and analysis with conversant with data format like NetCDF, HDF, GRIB, GrADS etc. • Data analysis software (Ferret, Python, GrADS, GMT, ODV etc.), programming languages (Matlab, Python, R, C, C++, Fortran, etc.), AI&ML applications, Ensemble techniques
Responsibilities	:	• Improvement, development of additional capabilities, and validation of search and rescue aid systems • Development / improvement/ fine tuning of Lagrangian models (e.g., LEEWAY and OpenDrift) / Ocean models for providing operational services • Ensembling techniques, particle dispersion, stochastic

		trajectory modelling
		• Processing of high-resolution ocean/atmospheric data, Ocean observations (in situ, Remote Sensing, ship based), process studies, etc. Data Quality control and analysis.
		• Ship route sensitivity studies to various ocean weather conditions
		• Enhancement of ocean information and advisory services related to Ocean State Forecast, Oceanogenic disasters, Marine ecosystem, Coastal Geo-Spatial, Ocean Data etc.
		• Research publications in reputed peer-reviewed SCI publications.
		• Provide operational ocean state forecasts, interact with users of OSF and take feedback on operational services.
		• Handling (deployment, recovery and preliminary data analysis) and participating on scientific cruises
		• 24/7 shift operations.
		Any other job that may be assigned from time to time.

Post Code: 25
Division Code: ARO-6
Reservation Category: ST
Name of the Post: Project Scientist – I
No. of Posts: 01 (one)
Age Limit: 35 Years
Consolidated Monthly Emoluments: Rs. 56,000 + HRA.

Essential Qualifications	:	Master's Degree in Geophysics / Marine Geophysics/ Marine Geology from a recognized university / institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualifications & Experience:	:	Ph.D in Geophysics/ Seismology/ Geology/ Geodesy from a recognized university.
		(OR)
		Two (2) years of experience in one or more of the following areas proven through SCI publications in the field relevant to the job description:
		• Geodesy, Seismology with mathematics background
		• Computational Geophysics with Geology Background
		• Seismological data processing, analysis, geophysics related studies / filed works, tsunami sciences etc.
		• Experience in handling GNSS and SMA

		• observatories and data interpretation • Geodesy, Computational Geophysics with data analysis and interpreting experience • Tsunami's detection and analysis
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Earthquake source studies and Computational Geophysics • Seismic data analysis for improving the earthquake source parameters and provide timely advisories in operational services. • GNSS Data processing / analysis for earthquake source parameters • SMA Data processing / analysis for earthquake source parameters • Work on Non-Seismic and Complex source (Volcano / landslide / meteo) source tsunamis monitoring / forecast • Supporting tsunami advisories, scientific and technical documentation. • Work in shifts on 24x7 basis to routinely carry out the day- to-day activities for successfully running of the Operational Ocean Services. • 24X7 operational activities. • R&D and teaching activities. Any other jobs that may be assigned from time to time.

Category: Project Assistant (UR – 6, SC – 1, ST – 1, OBC – 1, EWS – 1; Total Posts - 10)

Post Code: 26
Division Code: OOS-06
Name of the Post: Project Assistant
No. of Posts: 10 (Ten)
Age Limit: 50 Years
Consolidated Monthly Emoluments: Rs. 20,000 + HRA.

Essential Qualification:	B.Sc degree in Physics / Mathematics / Statistics/ Biology/ Zoology/ Fisheries/ Chemistry/ Electronics from a recognized university / institute. AND Basic knowledge of computers, in case of non-computer subjects at graduation
Desirable Qualification& Experience:	Experience in one or more of the following areas: • Good written and oral communication in English.

		• Operational ocean information and advisory services. • Ocean observations (in situ, Remote Sensing, ship based), laboratory analysis, processing of high resolution ocean/atmospheric data including bio-optical, physicochemical & fisheries data, process studies, etc. • Testing, installation, commissioning & maintenance of marine instrumentation, communication systems and configuration of oceanographic platform / gadgets such as Tsunami buoy with bottom pressure recorder (BPR), GNSS and SMA network in A&N Is,, Wave Rider Buoy (WRB) and Automatic Weather Station (AWS). • Operations & Maintenance of RF systems, INSAT/ VSAT terminals, HUB equipment, integration and testing of various other electronic equipment • Data analysis software (Ferret, python, GRADS, ODV etc.), programming languages (Matlab, C, Fortran, etc.), AI&ML applications, GIS Application development (Arc Engine, ArcGIS Server, open source GIS tools etc.). • Laboratory analysis of bio-optical parameters, water quality parameters, and algal pigment chromatography.
Responsibilities		**Responsibilities will include one or more of the following activities:** **Operational ocean information and advisory services.** • To work on 24x7 basis including weekends and public holidays and to routinely carry out the day-to-day activities for successfully running of the Operational Ocean Services (OOS) including Tsunami Early Warning, Ocean State Forecast, Potential Fishing Zone advisories, Storm surge, etc. • Assembly, integration, testing, deployment, retrieval and maintenance of ocean related equipment and observing equipment. • Data processing and analysis related to Database Management, Big Data and Data Analytics applications of AI/ML related to data sets, Open-source software for working with large datasets (such as services user database). • To assist in developing, testing, customizing, and operationalize the services / products, data processing and analysis. • Assist with field and laboratory activities, operational

		ocean service activities.
		• Operations and Maintenance of field equipment.
		• Work in tsunami operation to provide advisories to India and Indian Ocean rim countries.
		Any other jobs that may be assigned from time to time.

Category: Project Assistant (UR – 2, SC – 1, ST – 0, OBC – 2, EWS – 0; Total Posts - 05)

Post Code: 27
Division Code: OOS-07
Name of the Post: Project Assistant
No. of Posts: 05 (Five)
Age Limit: 50 Years
Consolidated Monthly Emoluments: Rs.20000 + HRA.

Essential Qualification:		B.Sc degree in Computersor Science or computer technologyor BCA from a recognized university / institute.
Desirable Qualification& Experience:		Experience in one or more of the following areas: • Good written and oral communication in English. • Operational ocean information and advisory services. • Data analysis software (Ferret, python, GRADS, ODV etc.), programming languages (Matlab, C, Fortran, etc.), AI&ML applications, GIS Application development (Arc Engine, ArcGIS Server, open source GIS tools etc.). • Developing software applications using Java, J2EE, Struts, Spring, Spring Boot and REST API, proficiency in HTML5, Bootstrap, JavaScript, Angular JS, ReactJS, TypeScript, and jQuery, proficiency in databases like IBM, DB2, Oracle and MySQL, expertise in the Application & Database Server Management, working knowledge in Linux, UNIX, Windows environments including shell scripting, experience in GIS development & integration using open source GIS tools, experience in Python, experience in Content Management Software (CMS). • Data visualization software (Tableau, Power BI, Ferret, GMT, etc.). • System Administration, Network Management & ICT support.
Responsibilities		**Responsibilities will include one or more of the following activities:** **Operational ocean information and advisory services.** • To work on 24x7 basis including weekends and public

holidays and to routinely carry out the day-to-day activities for successfully running of the Operational Ocean Services (OOS) including Tsunami Early Warning, Ocean State Forecast, Potential Fishing Zone advisories, Storm surge, etc.

- Data processing and analysis related to Database Management, Big Data and Data Analytics applications of AI/ML related to data sets, Open-source software for working with large datasets (such as services user database).
- Responsible to design, develop and implement various desktop applications for operational ocean services, R&D purpose, Dissemination, etc.
- To assist in developing, testing, customizing, and operationalize the services / products, data processing and analysis.
- Assist with field and laboratory activities, operational ocean service activities.
- Operations and Maintenance of field equipment.
- Work in tsunami operation to provide advisories to India and Indian Ocean rim countries.

Any other jobs that may be assigned from time to time.

Category: Project Assistant (UR – 1, SC – 0, ST – 0, OBC – 0, EWS – 1; Total Posts - 02)

Post Code: 28
Division Code: OON-6
Name of the Post: Project Assistant
No. of Posts: 01 (One)
Age Limit: 50 Years
Consolidated Monthly Emoluments: Rs.20000 + HRA

Essential Qualifications	:	Diploma in Electronics and Communication / B.Sc in Electronics from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualification& Experience:	:	• Good written and oral communication in English. • Knowledge in activities related to testing and maintenance of instruments
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Assist with field and laboratory activities. • Operational monitoring and reporting of the ocean and atmospheric observing instruments. • 24/7 shift operations Any other jobs that may be assigned from time to time.

Post Code: 29		
Division Code: OON-7		
Name of the Post: Project Assistant		
No. of Posts: 01 (One)		
Age Limit: 50 Years		
Consolidated Monthly Emoluments: Rs.20000 + HRA		
Essential Qualifications	:	B.Sc. in Microbiology / Biotechnology / Chemistry from a recognized university/institute with first class and at least 60% of marks in the qualifying degree.
Desirable Qualification& Experience:	:	• Good written and oral communication in English. • Knowledge in activities related to testing and maintenance of analytical laboratory instruments
Responsibilities	:	**Responsibilities will include one or more of the following activities:** • Assist with field and laboratory activities. • Operational monitoring and reporting of the analytical laboratory instruments. • 24/7 shift operations Any other jobs that may be assigned from time to time.

Category: Project Scientific Administrative Assistant (UR – 08, SC – 02, ST – 01, OBC – 03, EWS – 01; Total Posts - 15)

Post Code: 30		
Division Code: ESS-1		
Name of the Post: Project Scientific Administrative Assistant		
No. of Posts: 15 (Fifteen)		
Age Limit: 50 Years		
Consolidated Monthly Emoluments: Rs. 18000 + HRA.		
Essential Qualification:		A Graduate degree in any discipline.
Desirable Qualification& Experience:		• Good written and oral communication in English. • Knowledge in activities related to Personnel & General Administration / Accounts & Finance / Purchase & Stores in scientific areas/ Estate Management/ Secretarial Assistance. • Type writer lower / Shorthand Lower/ PG Diploma in Computer Applications.
Responsibilities		**Responsibilities will include one or more of the following activities:** • Assist officers in Personnel & General Administration / Accounts & Finance / Purchase & Stores / Estate Man-agement / Secretarialassistance in scientific projects. Any other jobs that may be assigned from time to time.

General Conditions:

1. **The last date of submission of online application is 30th June 2025, 17:30 Hrs. The last date is the cutoff date for all purposes including Age/Qualification/Experience etc.**

2. Age relaxation (only for posts reserved under Category: **Project Scientist-I/Project Assistant/ Project Scientific Administrative Assistant**) in case of SC/ST/OBC/PH/ESM candidates will be as per Government of India norms. OBC certificate should be as per the Central Government norms. The EWS certificate should be valid as on closing date of application.

3. The prescribed essential qualifications are minimum and the mere possession of the same does not entitle candidates to be called for interview. INCOIS reserves the right to adapt suitable screening criteria as per requirements of the advertised post. No correspondence will be entertained with candidates who are not called for the Interview.

4. The selection for the posts shall be on the basis of performance of the screened-in candidates in the interview for Project Scientist-I/ Project Scientist-II/ Project Scientist-III and Written Test for Project Assistant/Project Scientific Administrative Assistant.

5. Interviews of shortlisted candidates will take place at INCOIS, Hyderabad. Date of interview will be intimated to the shortlisted candidates separately.

6. Candidates applying and getting shortlisted for multiple posts will be interviewed separately for each post.

7. The place of initial posting is at Hyderabad with transfer liability to any part of India as and when need arises.

8. Canvassing in any form and/or bringing any influence, political or otherwise will be treated as disqualification. No interim correspondence/inquiry will be entertained.

9. Candidates working in Government/Public Sector Undertakings/Autonomous bodies must produce a 'No Objection Certificate' from their employer **specific for this advertisement**at the time of interview. **Candidature of candidates attending the interview without producing the NOC will be summarily rejected.**

10. Work experience in the relevant field should be supported by **testimonials from the research supervisor/superior officer/reporting officer/team leader or certifications from relevant professional bodies as the case may be.** Testimonials should include details of the nature of work in which the applicant was involved, major achievements during the employment/tenure and suitability of the applicant for the post applied. *Appointment offer letters/relieving letters/ salary slips/ Employee ID Card, etc will not be considered as the proof of essential/ desirable experience.*

11. Experience will be counted **after completion of essential academic qualifications** while a completed doctorate degree will be counted as three years' experience in case the doctorate is not mentioned in the essential qualification, which shall include the period rendered as JRF/SRF required for obtaining the doctorate degree.

12. In case a candidate has obtained the above degree (doctoral degree) while in service only, his /her service period will be counted towards experience and he/she will not get any additional relaxation in experience for acquiring Doctorate towards total period of experience.

13. The selected candidates are liable to serve anywhere in India, and work on 24/7 shift duties as per the requirement of the organization.

14. No travelling allowance will be paid for attending the interview except out-station SC/ST candidates called for interview (for reserved posts only) who will be paid to-and-fro sleeper-class railway or non-AC Bus (up to super-luxury) fare by the shortest route on production of proof of journey tickets etc.

15. The candidates need to make their own stay arrangements. INCOIS will not be responsible for any accommodation arrangements.

16. Director, INCOIS reserves the right to cancel the recruitment process at any stage, without assigning any reason thereof or vary the number of posts to be filled under each category.

17. Discrepancies in the certificates, non-production of the original certificates and No Objection Certificate at the time of interview will attract the disqualification of applications. No travel reimbursement will be made to such candidates belonging to SC/ST.

18. Production of the original certificate at the time of the interview is must. Candidates who are currently working in any other organization need to provide the proof of their current employment with a service/experience certificate from the employer. **Appointment order or Pay slips will not be considered as proof**

of current employment.

19. All positions mentioned in this advertisement are purely temporary and on contract mode only. All positions are co-terminus with the duration of the project.

20. Candidates appointed against any position in this advertisement are not entitled for any claim for regular/permanent position at anytime during or after the tenure of the post.

21. The monthly emolument specified is approximate and may vary as per the guidelines issued by Competent Authority from time to time.

22. Any addendum/corrigendum etc. with regard to this recruitment will be displayed only on INCOIS website.

23. **Application procedure:** The entire application procedure is online. Copies of certificates in support of educational qualifications, date of birth, disability, caste (SC/ST/OBC), EWS certificate, experience, no objection certificates, digital signatures, photograph etc. should be uploaded along with the online application. All the uploaded documents should be in the form of PDF file and photograph and signature in the form of .jpg format. If the certificates are in a language other than English or Hindi, attested translation should be enclosed.

24. **How to apply:** To apply, the applicant must fill the online application form available at INCOIS website at https://vacancies.incois.gov.in/and upload the scanned documents in the online application form. **The candidates are not required to send any hard copies by post or through e-mail but must carry them when called for interview.**

25. Applicants are requested to carefully go through the full text of the advertisement and the instructions in particular beforefilling the online application. Incomplete applications without photos, certificates etc.will be summarily rejected.

26. Incase of any difficulty in the submission of online application form (not for other queries), please email to **vacancies@incois.gov.in**.

27. Instructions to Applicants for submission of online Application:

   i. Online application form & details of recruitment of the Post is available at https://vacancies.incois.gov.in/
   ii. Before submitting the online application, the applicants are requested to go through carefully the details of the post and content of the post on the website https://vacancies.incois.gov.in/
   iii. Submit online application well in advance along-with legible scanned copies of

educational qualification, experience certificates, date of birth, disability (OH,PH), caste (SC/ST/OBC) certificate etc., No Objection Certificate in PDF format not exceeding 100 KB for each document/attachment. If the certificates are in a language other than English or Hindi, then attested translation should be uploaded. The applicants are not required to send hard copies to the undersigned.

iv. A recent passport size colour photograph (scanned) should be in .jpg format (size not exceeding100 KB).

v. Signature (scanned) should be in .jpg format (size not exceeding100KB)

vi. The applicants are advised to fill in all their particulars carefully in the online application. Incomplete application may lead to rejection.

vii. Applicants are advised to retain the acknowledgement and print out of the submitted online application for future reference.

Director, INCOIS
Advt No:INCOIS/RMT/02/2025