

Advt. No. NCAOR/06/16

ESSO-National Centre for Antarctic & Ocean Research

(An Autonomous Society under the **MINISTRY OF EARTH SCIENCES**, Govt. of India)

Headland Sada, Vasco-da-Gama, Goa - 403 804.

The National Centre for Antarctic & Ocean Research (NCAOR), an Autonomous Society under the Ministry of Earth Sciences, Govt. of India, New Delhi, is the nodal agency responsible for planning, co-ordinating and executing the Indian Polar Programme. In addition, the Centre has a well-focused scientific mandate of basic and applied research in various disciplines and themes of polar and ocean sciences.

Director, NCAOR invites applications from eligible & prospective candidates of Indian Nationals, for filling up of below posts under the various scientific projects on contract basis. The details about the positions, pay, academic qualifications, responsibilities, format of application and other general conditions are given below:

The post wise eligibility criteria and job Requirement is as under:

Project	:	Cryosphere and Climate- Integrated study of benchmark glaciers in Chandra Basin, Lahaul Spity Himalayas.
Name of the Post	:	Project Scientist B
Post Code	:	01
Number of Posts	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i) Masters degree in Geophysics/Physics or equivalent from a recognized university with atleast 60% marks in the qualifying degree level. (ii) Physical fitness for field work on high altitudes Himalayan glaciers.
		Desirable: (i) Two years of relevant experience in geophysical /glaciological studies in Himalayan glaciers.
Job Requirement	:	(i) To undertake geophysical/ glaciological studies on glaciers including acquisition, processing, interpretation of data using Ground Penetrating Radar (GPR), DGPS techniques and modelling. (ii)To undertake glaciological field studies in Himalayas and play an active role in the glaciological research related to the project.
Name of the Post	:	Project Scientist B
Post Code	:	02
Number of Posts	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i). Masters Degree in Geoinformatics/Geospatial Studies /Earth Sciences or equivalent from a recognized university with atleast 60% marks in the qualifying degree level. (ii) Physical fitness for fieldwork on high altitudes Himalayan glaciers.
	:	Desirable: (i) Two years of relevant experience in glaciological/hydrological studies in Himalayan glaciers.
Job Requirement	:	(i) To undertake studies on glaciers using glaciological, geodetic and glacio-hydrological techniques. (ii)To undertake glaciological filed studies in Himalayas and play an active role in the glaciological research related to the project.

Project	:	Scientific drilling in the Indian Ocean through IODP
Name of the Post	:	Project Scientist B
Post Code	:	03
Number of Post	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i) Masters Degree in Geophysics/Applied Geophysics / Geology /Applied Geology/marine Geology/ Marine Sciences or equivalent from a recognized university with atleast 60% marks in the qualifying degree level.
		Desirable: (i) Two years of academic/R&D experience in the relevant field. (ii) Knowledge of Geophysical data processing, interpretation and exposure to UNIX/LINUX/GIS with programming skills.
Job Requirement	:	(i) To play an active role in the work program related to the project & participation in scientific cruises; marine data acquisition, processing and interpretation.
Project	:	Past Climate and Oceanic variability
Name of the Post	:	Project Scientist B
Post Code	:	04
Number of Posts	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i). Masters Degree in Earth Sciences/Geology/Marine Sciences or equivalent from a recognized university with atleast 60% marks in the qualifying degree level.
		Desirable: (i) Two years of academic/R&D experience in the relevant field. (ii) Experience in scientific cruise participation/Data acquisition, processing and interpretation. Experience in identification of siliceous microfossils from ocean sediments.
Job Requirement	:	(i) To play an active role in the work related to the project; participation in scientific cruises; data acquisition, processing and interpretation.
Name of the Post	:	Project Scientist B
Post Code	:	05
Number of Posts	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i). Masters Degree in Marine Chemistry/Earth Sciences/Geology/Marine Sciences or equivalent from a recognized university with atleast 60% marks in the qualifying degree level.
		Desirable: (i) Two years of academic/R&D experience in the relevant field. (ii) Experience in scientific cruise participation. (iii) Experience in acquisition, processing and interpretation of Marine Biological, Chemical or Geochemical data.
Job Requirement	:	(i) To play an active role in the work related to the project; participation in scientific cruises; data acquisition, processing and interpretation.
Project	:	ESSO-NCAOR Outreach Activities
Name of the Post	:	Project Scientist B

Post Code	:	06
Number of Posts	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i). Masters Degree in any branch of Science from a recognized university with atleast 60% marks in the qualifying degree level.
		Desirable: (i) Two years of academic/R&D experience in the relevant field. (ii) Experience in scientific presentations and outreach activities / Managing scientific workshops and conferences/Excellent Oral and written skills/Candidate should come up with innovative ideas for outreach activities. Should have knowledge of DTP (Desktop Publishing).
Job Requirement	:	(i) To play an active role in the outreach activities of ESSO-NCAOR and also contribute to work related to the project.
Project	:	Study of Seafloor Hydrothermal Systems In Mid Oceanic Ridges
Name of the Post	:	Project Scientist B
Post Code	:	07
Number of Posts	:	02
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i) Masters Degree in Geology/Applied Geology or equivalent from a recognized university with atleast 60% marks in the qualifying degree level.
		Desirable: (i) Two years of experience in the field relevant to the nature of responsibilities. (ii) Experience in thin section studies of rocks using microscope, SEM-EDS/EPMA.
Job Requirement	:	(i) To play an active role in work related to the project & participation in scientific cruises for sample collection, analysis etc. (ii) Petrographic/Mineralogical studies of various rocks/ores.
Name of the Post	:	Project Scientist C
Post Code	:	08
Number of Posts	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 6600 + HRA, DA as per GOI norms
Age	:	40 Yrs
Eligibility Criteria	:	Essential: (i) Masters Degree in Marine Science or Marine Biology or equivalent from a recognized university with atleast 60% marks in the qualifying degree level. (ii) Three years experience in research and development in the field of Marine Microbial Ecology and Biogeochemistry supported by scientific publications.
	:	Desirable: (i) Ph.D Degree in the relevant subject or area of specialization. (ii) Demonstrated excellence in research and publications in peer-reviewed journals. (iii) Additional experience in handling zooplankton samples for taxonomic studies.
Job Requirement	:	(i) To play an active role in all facets of the work related to the project, participation in scientific cruises, data acquisition/water and

		sediment sample analysis/interpretation. (ii) Analytical and laboratory work. (iii) Any other scientific/technical jobs that may be assigned from time to time.
Name of the Post	:	Project Scientific Assistant Grade A
Post Code	:	09
Number of Posts	:	01
Emoluments	:	PB-2 (Rs.9300-34800) + GP Rs. 4200 + HRA, DA as per GOI norms
Age	:	28 Yrs
Eligibility Criteria	:	<u>Essential:</u> (i) Three years Diploma in engineering (Electronics & Communication/Electronics & Instrumentation Engineering /Technology) after 10+2 (with 60% marks) or its equivalent qualification from a recognized Board or University. (ii) Basic knowledge of Computer.
	:	<u>Desirable:</u> (i) Two years experience in operation/maintenance/handling of scientific analytical instruments like EPMA, XRF, XRD etc.
Job Requirement	:	(i) To assist in the Chemical/instrumental analysis of samples and operate, maintain /upkeep of the sophisticated analytical facilities.
Project	:	Geoscientific Studies of the Exclusive Economic Zone
Name of the Post	:	Project Scientist B
Post Code	:	10
Number of Posts	:	02
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	<u>Essential:</u> (i) Masters Degree in Geophysics/Applied Geophysics/ Geology/ Applied Geology or equivalent from a recognized university with atleast 60% marks in the qualifying degree level.
	:	<u>Desirable:</u> (i) Two years of experience in the field relevant to the nature of responsibilities. (ii) Exposure to GIS with programming skills.
Job Requirement	:	(i) Analysis and interpretation of the Multibeam bathymetric and backscatter data and integration of the results with other geophysical /geological data sets. (ii)To play an active role in work related to the project & participation in scientific cruises, marine data acquisition and processing.

Name of the Post	:	Project Scientist B
Post Code	:	11
Number of Posts	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i). Masters Degree in Geology/Applied Geology /Marine Geology or equivalent from a recognized university with atleast 60% marks in the qualifying degree level.
	:	Desirable: (i) Two years of experience in the field relevant to the nature of responsibilities. (ii) Experience in analytical techniques related to sedimentological & geochemical studies of marine sediment samples.
Job Requirement	:	(i) Sedimentological & geochemical analysis of marine sediment samples collected from the offshore domains of India and studies of various paleo-climatic proxies. (ii) To play an active role in work related to the project & participation in scientific cruises, marine data/sample collection and processing.
Project	:	Satellite-based Digital Elevation Model for monitoring Antarctic Ice topography, with special focus on Glaciers
Name of the Post	:	Project Scientist B
Post Code	:	12
Number of Posts	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i) Masters Degree in Geoinformatics with GIS & Remote Sensing subject or equivalent from a recognized university with atleast 60% marks in the qualifying degree level.
	:	Desirable: (i) Experience in Satellite/Airborne remotely sensed data processing, analysis interpretation, GIS operations and geospatial map compilation to decipher climate change signals. Expertise in using software like ENVI, IDL, LPS, SARSCAPE etc., for fusing multisatellite data to generate Digital Elevation Models and supervised classification of land cover of cryospheric regions using hyper-spectral data. Exposure to Linux/Unix system with programming skills.
Job Requirement	:	To play an active role in work program related to the project; participation in scientific cruises to Antarctica to conduct field surveys; multisatellite and hyperspectral data processing & interpretation using GIS and advanced image processing softwares.
Project	:	Long term monitoring of kongsfjorden for climate change studies
Name of the Post	:	Project Scientist B
Post Code	:	13
Number of Posts	:	01
Emoluments	:	PB-3 (15600-39100) + GP Rs. 5400 + HRA, DA as per GOI norms
Age	:	35 Yrs
Eligibility Criteria	:	Essential: (i) Masters Degree in Physical Oceanography/Physics/Marine Science

		or equivalent from a recognized university with atleast 60% marks in the qualifying degree level.
		<u>Desirable:</u> (i) Experience in oceanographic field work, ocean modelling and working on data from oceanographic moorings.
Job Requirement	:	(i) To play an active role in all facets of the work program related to the project; participation in scientific cruises; data acquisition/quality check and processing. (ii) Any other scientific/technical jobs that may be assigned from time to time.
Project	:	Environmental Monitoring and health of Indian Antarctic stations in Pursuit of Antarctica-Treaty System and its Governance
Name of the Post	:	Junior Research Fellow
Post Code	:	14
Number of Posts	:	01
Emoluments	:	Rs. 25,000/- (Consolidated) + (HRA).
Age	:	28 Yrs
Eligibility Criteria	:	<u>Essential:</u> (i) Masters Degree in Environmental / Biological / Chemistry/Marine Science from a recognized university with 60% marks and NET /GATE qualified.
		<u>Desirable:</u> Experience in environmental impact assessment studies/aerosol studies / microbiological studies / geochemistry
Job Requirement	:	The selected candidates will be participating in Antarctic expeditions to Indian stations for the collection of samples from the land, lakes and coastal waters, analysis, interpretation and assisting in the Madrid Protocol matters.

General Conditions:

The last date for receipt of application: The last date of submission of application form, duly filled in all respect is **10.03.2016**. The application duly completed in all respect along with the relevant documents duly attested must be sent by post in a cover superscribed "**APPLICATION FOR THE POST OF and POST CODE**" must reach to "**The Administration- In Charge, National Centre for Antarctic & Ocean Research, Headland Sada, Vasco-da-Gama, Goa – 403804**" on or before at 5.00 pm of the last date. The last date is the cutoff date for all purposes including Age/Qualification/ etc.

1. Applications should be submitted in the prescribed format. Applications that are not submitted in the prescribed format will not be considered.

2. Separate application should be submitted for each post and should clearly indicate the advertisement no....., Post Code of the relevant post and name of the post applied for, on the top left corner of the envelope and should be sent on the above mentioned address.

3. Age Limit: Not exceeding 40 years for Project Scientist C, 35 years for Project Scientist B & 28 years for JRF & Project Scientific Assistant Grade A. Age relaxation will be as per the GOI Norms.

4. Tenure: The post is purely temporary under the Project mode on contract basis. The assignment is initially for a period of one year or till the completion of the Project, whichever is earlier.

5. The prescribed essential qualification are minimum and the mere possession of the same does not entitle candidates to be called for interview. If the number of applications received in response to advertisement is large, it will not be convenient or possible for the Selection Board to interview all those candidates. So, the Centre may restrict the number of candidates to be called for interview to a reasonable limit of desirable qualification and /or on the record of academic performance and /or relevant experience for the post prescribed in the advertisement as per the

specific requirement of the Centre and/or any other benchmark decided by a committee constituted to screen the applications.

6. Canvassing in any form and /or bringing any influence, political or otherwise will be treated as disqualification for the post applied for. No interim correspondence/inquiry will be entertained.

7. Attested, clear and readable Photostat copies of “Caste certificate, Discharge Certificate/ Experience certificate, educational qualification (Mark sheets for all academic years starting from Xth class to Master Degree) etc. should be enclosed along with the application. Candidates will have to produce the original certificate as and when required. If the certificates are in a language other than English or Hindi, attested translation should be enclosed.

8. The selected candidates are liable to serve anywhere in India and outside.

9. Out-station candidates called for interview will be paid to-and-fro Sleeper-class railway/Bus fare by the shortest route on production of proof of journey, such as the railway ticket numbers/ bus tickets etc. The candidates need to make their own stay arrangements. NCAOR will not be responsible for any accommodation arrangements.

10. Applications received after the closing date or received incomplete in any respect are liable to be summarily rejected. No representation against such rejection will be entertained.

11. Director, NCAOR has the right to cancel the recruitment process at any stage, without assigning any reason thereof.

12. The person engaged will not be treated on par with regular employees of NCAOR and shall have no right to claim implicit or explicit for their absorption or regularization in NCAOR.

13. Any discrepancies found in the certificate will attract the disqualification of applications. Non production of the original certificates at the time of interview will also make the candidate disqualified. No travel reimbursement will be made to such candidates. Production of the original certificate at the time of interview is must. Candidate’s currently working in any other organization need to provide the proof of their current employment with a service certificate from the employer/latest pay slip. Appointment order will not be considered as proof of current employment.

Sd/-
(Administration -in-charge)

HOW TO APPLY

- Applications *neatly typed/hand written on A/4 size plain paper*, separately for each position, as per the prescribed format provided in this advertisement, should reach on or before last date, only by the Registered post, along with attested copies of all the documents related to educational qualifications, date of birth, work experience, caste etc to **“The Adminsitration-Incharge, ESSO - National Centre for Antarctic & Ocean Research, Headland Sada, Vasco-da-Gama, Goa- 403 804”**. One self attested recent passport size photograph should be pasted in the appropriate place in the application form.

Format of Application

Advertisement No. :

Position Applied for:

Sl. No. of the post applied for:

1. Name in full (in Block letters):

2. Father's/Husband's Name:

3. Permanent Address including:
Phone, fax, e-mail

4. Address for correspondence:
Phone, fax, e-mail

5. Nearest Railway Station

6. (a) Date of Birth : Date : Month: Year :

(Attested copy of proof of age to be attached)

(b) Age as on last date for receipt of application.....: years months days

7. (a)Religion (Hindu, Muslim, Christian, Sikh, Buddhist, Jain, Parsi, others):.....Caste:

(b)Whether belongs to Gen/SC/ST/OBC Category:..... Sub Caste:

(If yes, please specify the category to which you belong & attach the documentary proof, if belongs to SC/ST/OBC/PH categories)

(c) Whether physically handicapped: Yes..... No....., if yes

VH/HH/OH.....

If yes, please attach the documentary proof, issued by the competent authority)

8. Nationality:

9. (a) Educational Qualifications in chronological order beginning with High School/SSC: (10th std onwards)

Name of the Examination Passed	Year of Passing	Marks details		% of marks	Name of the Board/University	Subjects Taken	Division	Subject of specialization
		Max marks	Marks obtained					

(b) Professional/Technical Qualifications:

Name of the Examination Passed	Year of Passing	Marks details		% of marks	Name of the Board/University	Subjects Taken	Division	Subject of specialization
		Max marks	Marks obtained					

(c)Details of Publications/Papers/Reports/Documents etc.

10. Work Experience in chronological order, starting with the first job:- (Attested copy of proof of each experience to be attached)

Name & address of Employer	Designation of post held	Scale of pay & GP and present pay	Period of service				Nature of work & level of responsibilities (please attach separate sheet, if needed)
			From	To	Total experience		
					Year	Month	

(A brief write-up to be given at the end indicating the relevance of past experience to the Post applied for)

11. Whether Regular/permanent/temporary/ad-hoc/part time/contract basis in the present job:

12. If present service is on Temporary/contract/ad-hoc/Part time, then the expiry date of service:

13. Whether the present job is in Govt./PSU/Autonomous/Private institution:.....

15. Any other relevant information:

Details of Enclosures: 1.....2.....3.....4.....

5.....6.....7.....

Declaration

I hereby declare that (1) I am an Indian National (2) I have read the provisions given in the Advertisement (3) All the statement made and information given by me in this application are true complete and correct to the best of my knowledge and belief. In the event of any information or part of it being found false or incorrect or suppressed before or after the test/interview or during the appointment period action can be taken against me by the NCAOR and my candidature/appointment shall automatically stands cancelled/repartirated/terminated (iv) I further declare that I fulfill all the conditions of eligibility regarding age, educational, professional/technical qualifications, etc., prescribed for the post applied for as on last date of application .

Place.....

Signature of the Candidate.....

Date.....

Name.....