



CSIR-NATIONAL GEOPHYSICAL RESEARCH INSTITUTE
UPPAL ROAD, HYDERABAD – 500 007



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CSIR-NGRI Advertisement No. PA - 03/2023 Dated 23.06.2023

Walk-in-Interviews for the following Project staff positions are to be filled at this Institute:

Sl. No.	Post Code	Date of Interview	Project No & Project Duration	Title of the Project	Position / Level	No. of Position(s)	Essential Qualification	Desirable (if any)	Job requirements
1.	A	06.07.2023	SSP-859-28(MRK) Up to March 2027	Seismic Monitoring for Sholayar and Mettur Dams of TNWRD in Tamil Nadu State	Project Assistant	1	B.Sc. with Maths, Physics & Electronics (Or) 3 years Diploma in Electronics / Communication / Instrumentation	i) First Class in essential educational qualifications ii) 2 years experience in Electronics / Communication / Instrumentation	Field work, Seismic equipment maintenance, Seismological data collection and data analysis
2.	B	07.07.2023	HCP-0101 Up to March 2026	Jigyasa 2.0	Scientific Administrative Assistant	1	B.Sc. with Computer Science / B.C.A or equivalent	i) Basic computer knowledge with graphics design ii) Fluency in at least 3 languages i.e. Telugu, Hindi & English [Speaking, reading and writing skills etc.]	i) To help in demonstration of geophysical experiments in HQ and different places in India ii) To help in outreach activities on day-to-day basis
3.	C	07.07.2023	MLP-6402-FTT-001-28 Up to July 2024	A fractional gaussian fractal based seismic inversion package for the high resolution subsurface image	Project Associate-I Project Associate-II	1	M.Sc. / B.Tech in Computer Science / Information Technology / Masters in Computer Applications (MCA) i) M.Sc. / B.Tech in Computer Science / Information Technology / Masters in Computer Applications (MCA) ii) 2 years experience as a developer	i) Experience in Python programming. ii) Experience in GUI development. iii) Any branch related to computer science	Developing a GUI framework for the package, development and integration of necessary subroutines.

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4.	D	06.07.2023	GAP-875-28(NV) Up to March 2026	Permanent sequestration of gigatons of CO ₂ in continental margin basalt deposits	Project Associate-I	1	B.Tech in ECE	i) Experience of Science Communication ii) Knowledge of Technology Management	i) Science Communication ii) CCUS related data collection from different sources (Govt. and NGOs) in NCR iii) Report generation on Engineering aspects of CCUS projects iv) Coordinating with the international consortium and participation in the day to day project activities in Delhi and other partner organizations iv) The selected candidate will work in New Delhi
5.	E	12.07.2023	SSP-860-28(HVS) Up to May 2025	Maintenance & monitoring, data acquisition & analysis of 6 micro earthquake (MEQ) station that are already installed around the 50 KM radius of GHAVP site for 3 years	Project Associate-I	1	M.Sc. / M.Sc. (Tech) in Geophysics / Applied Geophysics / Marine Geophysics	Experience in Seismic data collection & processing	Field duties and processing of seismological data
6.			SSP-862-28(HVS) Up to November 2024	2D Seismic studies of delineation of structural lineaments / faults at MBRAPP site, Mahi-Banswara, Rajasthan	Project Associate-I	2	M.Sc. / M.Sc. (Tech) in Geophysics / Applied Geophysics / Marine Geophysics	Experience in Seismic data acquisition and processing	Seismic data acquisition and processing
7.			HCP-48 Up to March 2026	A systematic assessment of the CO ₂ storage potential of the Indian coalfields and initiation of the first pilot injection project in Coalfields	Project Associate-I	3	M.Sc. / M.Sc.(Tech) in Geophysics / applied Geophysics / Marine Geophysics / Exploration Geophysics/ Computational Physics / Computational Mathematics / Earth Science / Geology / Applied Geology / Marine Geology	i) Maths & Physics subjects at Graduation level ii) Basic knowledge of the physics of the Earth iii) Interest to research problems related to Geological Carbon Sequestration, CBM/Shale gas	Research work on Geological Carbon Sequestration in Indian Coalfields and Shale gas / CBM Exploration

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								exploration using geophysical and geological data	
8.	E	12.07.2023	GAP-875-28 (NV) Up to March 2026	Permanent sequestration of gigatons of CO ₂ in continental margin basalt deposits	Project Associate-I	2	M.Sc. / M.Sc. (Tech) in Geophysics / Applied Geophysics / Marine Geophysics / Exploration Geophysics / Earth Science / Physics / Geology / Applied Geology / Marine Geology	i) Maths & Physics subjects at Graduation level ii) Interested in Ph.D, willing to work in international consortium with international mentors	i) Research work on Geological Carbon Sequestration in Basalt. ii) Laboratory studies on Core samples analysis of seismic data iii) Seismic simulations iv) Rock physics modelling
9.			SSP-871-28(BPK) Up to December 2024	Lithospheric structure and relationship with Gold and Kimberlite clusters of Kalyandurg-Timmasamudram-Chengicheria, Anantapur District, Andhra Pradesh	Project Associate-I	2	M.Sc. / M.Sc. (Tech) in Geophysics / Applied Geophysics / Marine Geophysics	Experience in MT data acquisition / processing; Programming knowledge in MATLAB, Python, etc.	Magneto telluric filed survey, data processing etc.
10.			GAP-329-28(MO) Up to March 2026	Gas Hydrates Exploration & Technology Development for its exploitation	Project Associate-I	4	M.Sc. / M.Sc. (Tech) in Geophysics / Applied Geophysics / Marine Geophysics / Physics	Experience in Fortran / Matlab Coding	Seismic Data Processing / Modelling / Inversion / Machine-learning / synthesizing gas hydrate
11.			GAP-329-28(MO) Up to March 2026	Gas Hydrates Exploration & Technology Development for its exploitation	Project Associate-II	1	i) M.Sc. / M.Sc. (Tech.) in Geophysics / Applied Geophysics / Marine Geophysics ii) 2 years experience in Seismic Data Processing / modelling / inversion / machine-learning	Experience in Fortran / Matlab Coding	Seismic Data Processing / Modelling / Inversion / Machine-learning / synthesizing gas hydrate

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12.	F	03.07.2023	GAP-857-28(VMT) Up to March 2027	JC Bose Fellowship	Senior Project Associate	1	A) M.Sc in Geophysics/ Hydrology / Physical Science B) 4 years' experience in the area related to Hydrogeological studies / Groundwater modelling skills (Or) A) Ph.D in Geophysics / Hydrology / Physical Sciences (AcSIR)	i) Knowledge of Python programming and QGIS / ArcGIS and Numerical modelling ii) Experience in the area related to Hydrogeological studies / Groundwater modelling skills	Hydrogeological data collection, analysis & interpretation. Development of coupled based model for estimating major hydrogeological fluxes
13.			HCP-48 Up to March 2026	A systematic assessment of the CO ₂ storage potential of the Indian coalfields and initiation of the first pilot injection project in Coalfields	Senior Project Associate	1	A) M.Sc. in Geophysics / Applied Geophysics / Marine Geophysics / Computational Physics / Computational Mathematics / Statistics B) 4 years' experience in Artificial Intelligence and Machine Learning Techniques (Or) A) Ph.D in Geophysics (General / Applied Marine) / Computational Physics / Computational Mathematics / Statistics	Knowledge of Artificial Intelligence and Machine Learning Techniques	i) Application of AI/ML- based techniques to various geoscientific data sets for a Geological Carbon Sequestration project ii) Statistical modelling for risk analysis
14.	G	11.07.2023	SSP-870-28(EVB) Up to February 2025	Diamond potential of Kimberlite Clan Rocks (KCRs) from Central Indian Diamond Province: Constraints from Mineral and Bulk Chemistry	Project Associate-I	2	M.Sc. in Geology / M.Sc. (Tech) in Geology	i) Experience in Mineralogy, Petrology ii) Hands on experience in SEM analysis	Field collection of kimberlite samples, thin section and sample preparation, microscopy, Heavy mineral identification, SEM-BSE imaging, EDS analysis

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15.	G	11.07.2023	SSP-862-28(HVS) Upto November 2024	2D Seismic studies of delineation of structural lineaments / faults at MBRAPP site, Mahi-Banswara, Rajasthan	Project Associate-I	1	M.Sc. in Geology	Geological mapping of fault / lineaments and processing of satellite imageries	Geological mapping of fault / lineaments through imageries & satellite field studies
16.			GAP-867-28(KRM) Up to January 2026	Study on Microplastic Pollution in Freshwater System around Municipal Solid Waste dumpsite in Greater Hyderabad, India	Project Associate-I	1	M.Sc. in Geology / Applied Geology / Earth Sciences	i)Hand on experience with ArcGIS Software ii) Experience in analysis of water samples using Ion chromatography iii) Registered for Ph.D or planning to register soon	i) Field work, laboratory analysis for the water samples ii) Spatial data analysis
17.			GAP-863-28(BB) Up to October 2024	Deciphering paleo-cyclones during Holocene from lacustrine deposits of east west and southern Indian region; probing beyond instrumental record	Project Associate-I	1	M.Sc. in Geology / Applied Geology	Knowledge in soft sediment geochemistry	Field work & laboratory work on inorganic and organic geochemistry
18.			GAP-864-28(AKO) Up to December 2024	Revisiting the Himachal Himalaya to test different tectonic models and their implications to Himalayan geodynamics	Project Associate-I	1	M.Sc. in Geology / Applied Geology / Earth Science	Geological field experience in mountain belts	Extensive fieldwork in Himachal, Himalaya oriented rock sampling and laboratory analysis of samples
19.			GAP-873-28(PVSR) Up to March 2026	New mineral Prospectivity for harnessing Gold resources in GR Halli prospect, Chitradurga Schist belt, Karnataka, Western Dharwar Craton using Machine Learning and Deep Convolutional Neural Networks	Project Associate-I	1	M.Sc. in Geology / Mineral Exploration / M.Tech in Mineral Exploration / Geo exploration	i) Field work, computer knowledge to apply AI / ML ii) Geo-Modelling, GIS, AI & ML in Mineral Exploration	Rigorous field work, applying AI/ML for mineral exploration, Geochemistry, Mapping and Geomodelling

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20.	H	14.07.2023	MLP-6402-FTT-001-28 Up to July 2024	A fractional gaussian fractal based seismic inversion package for the high resolution subsurface image	Project Scientist-I	1	Ph.D in Geophysics / Earth Science / Physics / Mathematics	i) Experience in development of a code as a package along with GUI ii) Demonstrated skills in programming / package development iii) Candidates with Computational Maths / Physics background will be given preference	Developing seismic modeling and seismic inversion algorithms and their implementation as modules to GUI framework.
21.			GAP-329-28(MO) Up to March 2026	Gas Hydrates Exploration & Technology Development for its Exploitation	Project Scientist-I	2	Ph.D in Geophysics	Experience in Fortran / Matlab Coding	Seismic / Seismology Data Processing / Modelling / Inversion / Machine-learning / laboratory study related to gas hydrate exploration
22.			HCP-48 Up to March 2026	A systematic assessment of the CO ₂ storage potential of the Indian coalfields and initiation of the first pilot injection project in Coalfields	Project Scientist-I	1	Ph.D in Geophysics (General / Applied / Marine / Exploration) / Physics / Computational Seismology / Mathematics	Knowledge of any in; Signal Processing Techniques / Numerical modelling, Inversion or Optimization Methods / Seismic Wave Theory, Seismic data processing / interpretation, Geomechanics / Rock Mechanics / Geological Carbon Storage (GCS)	i) Site Characterization for Geological Carbon Sequestration ii) Integration of Seismic, Well log and other geological data to build a fine-scale model iii) Characterization of Coal Seams and Shale Formations & Quantitative Seismic Interpretation
23.			HCP-48 Up to March 2026		Project Scientist-I	1	Ph.D in Geology (General / Applied / Marine / Exploration) / Geochemistry / Environmental Science	i) Masters Degree in Physical Science ii) Knowledge of Structural, Coal, Sedimentary & Petroleum Geology iii) Geo-statistical Techniques iv) Reservoir Geology v) Geological Carbon Storage (GCS)	i) Feasibility Assessment for Geological Carbon sequestration using Geological, Geochemical, Petrophysical and Environmental data. ii) Statistical modelling for risk analysis

Upper age limit & Emolument details:

Designation	Emoluments (Rs.)	Upper Age Limit
Scientific Administrative Assistant	18000/-	50 years [relaxable upto 5 years of SC/ST and upto 3 years for OBC, 10 years for PwBD, subject to maximum ceiling of 56 years as per the rules]
Project Assistant	20000/-	
Project Associate-I	25000/- / *31000/-	35 years [relaxable upto 5 years for SC/ST and upto 3 years for OBC, 10 years for PwBD]
Project Associate-II	28000/- / #35000/-	
Senior Project Associate	42,000/-	40 years [relaxable upto 5 years for SC/ST and upto 3 years for OBC, 10 years for PwBD]
Project Scientist-I	56000/-	35 years [relaxable upto 5 years for SC/ST and upto 3 years for OBC, 10 years for PwBD]

* Rs.31,000/- for the candidate(s) who have qualified CSIR-UGC NET including lectureship (Assistant Professorship) or GATE.

Rs.35,000/- for the candidate(s) who have qualified CSIR-UGC NET including lectureship (Assistant Professorship) or GATE.

Terms & Conditions:

1. **Reporting Time: 08:00 AM to 09:30 AM at the venue.** No candidate will be allowed to enter into the venue after 09:30 AM
2. **Venue of Interview:** CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad, Telangana-500007.
3. The candidates who fulfil the criteria as on date of interview towards age, education qualifications etc. as mentioned against the postcodes may appear before the interview board along with originals and one set of photocopies of Certificates of educational qualifications, age, caste (in case of SC/ST/OBC/EWS candidates), experience (if any), one recent passport size photo etc.
4. The candidates who are not able to attend the Walk-in-Interview on the above mentioned dates, they are required to send an email to career@ngri.res.in to appear for online interview with valid reasons and attach all the certificates of educational qualifications, age, caste (in case of SC/ST/OBC/ EWS candidates), experience (if any) along with the filled in application form.
5. **Final Semester / Year students who are awaiting results are not eligible to attend the interview.**
6. **If the number of candidates turning up for walk in Interview is very high, then the Candidates will be shortlisted to appear in interview by holding written test or any such methodology deemed fit by the competent authority, CSIR-NGRI. The candidates are advised to plan their itinerary and arrange own accommodation in such a way that they should be able to be present for interview during the very next day of the scheduled dates of interview also, in case need arises for so.**
7. Any false information may lead to ban in appearing any future recruitment / engagement process in CSIR - NGRI and the same may be informed to other CSIR labs/Institutes, other Government Organisations / agencies also.
8. The number and levels of positions may increase or decrease at the time of actual selection or may be cancelled also. The engagement is for various time-bound projects viz., Grant-in-Aid / Sponsored Projects / In-house projects etc. which is co-terminus with the projects and may be extended or curtailed depending on the duration of the Project, satisfactory performance/conduct of the appointee. It is not a regular appointment, temporary or otherwise and therefore it does not entitle the incumbent(s) any claim, implicit or explicit on any CSIR/NGRI post. No TA/DA will be paid for attending the Walk-in-interview.

**Sd/-
Controller of Administration**