CSIR-NATIONAL GEOPHYSICAL RESEARCH INSTITUTE
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The CSIR-NGRI, Hyderabad desires to fill up the following temporary positions of Project staff against various projects viz., Grant-in-Aid, Sponsored Projects, In-house projects etc.:

Post Code	Position	No. of position(s)	Essential Qualifications	Desirable	Job requirement
1	Project Assistant Level-II / III	23	Project Assistant Level-II Master's Degree in Geophysics with not less than 55% of marks or equivalent Project Assistant Level-III Master's Degree in Geophysics with not less than 55% of marks *plus* 2 years post qualification experience or equivalent	Experience in Geophysical data processing / Programming in Matlab, Fortran/C/C++ / Experience in Seismological data processing / Experience in Electromagnetics / Magnetics / Experience in Air-borne / land geophysical EM methods, theory, data acquisition, processing and interpretation using software packages like Arhus workbench, Geosoft etc.	Seismic data processing / To collect, process & modelling of Gravity, Magnetic data / Processing of Satellite data, field data acquisition / Numerical Modeling of Seismic wave propagation / Field survey anywhere in India, geophysical data processing / Field and laboratory works as required under the project / To carry out geophysical TEM field data acquisition, processing, interpretation / Processing, modelling, inversion of seismic data
2	Project Assistant Level-II / III	9	Project Assistant Level-II Master's Degree in Geology with not less than 55% of marks or equivalent Project Assistant Level-III Master's Degree in Geology with not less than 55% of marks *plus* 2 years post qualification experience or equivalent	Experience in GIS and Mathematical application for terrain modeling / Experience in field work and processing of data / Experience in Seismological data processing	Mapping analysis and modeling of topographic data / Field visits, borehold data analysis and processing / Field and laboratory works as required under the project

Post Code	Position	No. of position(s)	Essential Qualifications	Desirable	Job requirement
3	Project Assistant Level-II / III	3	<u>For Project Assistant Level-II</u> Master's Degree in Physics (with special papers in SSP / Material Science / Optics / Opto-electronics / Experimental Physics) with not less than 55% of marks <u>For Project Assistant Level-III</u> Master's Degree in Physics (with special papers in SSP / Material Science / Optics / Opto-electronics / Experimental Physics) with not less than 55% of marks *plus* 2 years post qualification experience	Hands on experience with Raman and PXRD methods	Experimental work on Gas Hydrate Synthesis, Spectroscopic (Raman and PXRD) analysis
4	Project Assistant Level-II / III	1	<u>Project Assistant Level-II</u> Master's Degree in Physics with not less than 55% of marks <u>Project Assistant Level-III</u> Master's Degree in Physics with not less than 55% of marks *plus* 2 years post qualification experience	Experience in Theoretical Electromagnetism / Mathematical modelling and Simulations.	To carry out Theoretical / Mathematical modeling and Simulations of transient electromagnetic (TEM) method / EM theory / sensor design and characterization
5	Project Assistant Level-II / III	1	<u>Project Assistant Level-II</u> M.Tech in Mineral Exploration with not less than 55% of marks <u>Project Assistant Level-III</u> M.Tech in Mineral Exploration with not less than 55% of marks *plus* 2 years post qualification experience	Research experience in any Government organization in relevant area.	Planetary image (Moon and Mars) processing, GIS analysis and mineralogical studies /
6	Project Assistant Level-II	1	B.Tech. (IT/ CSE) with not less than 55% of marks	----	AEBAS, Software development, website updating, server health checkup etc.

Post Code	Position	No. of position(s)	Essential Qualifications	Desirable	Job requirement
7	Project Assistant Level-II / III	1	<u>Project Assistant Level-II</u> M.C.A. with not less than 55% of marks after B.Sc with Maths, Physics subjects or equivalent <u>Project Assistant Level-III</u> M.C.A. with not less than 55% of marks after B.Sc with Maths, Physics subjects or equivalent *plus* 2 years post qualification experience	Experience in mathematical modelling of earth processes	---
8	Project Assistant Level-II / III	1	<u>Project Assistant Level-II</u> B.E / B.Tech in Electronics and Communication Engineering / Electronics and Instrumentation Engineering with not less than 55% of marks 'or' Master's Degree in Electronics with not less than 55% of marks <u>Project Assistant Level-III</u> B.E / B.Tech in Electronics and Communication Engineering / Electronics and Instrumentation Engineering with not less than 55% of marks *plus* 2 years post qualification experience or equivalent 'or' Master's Degree in Electronics with not less than 55% of marks *plus* 2 years post qualification experience or equivalent	Analog circuit design, Embedded systems programming	Maintenance of geophysical instruments, circuit design and programming, field work anywhere in India
9	Project Assistant Level-I	2	B. Sc. with not less than 55% of marks	---	Day to day activities in PME & BDG
10	Project Assistant Level – I	1	Diploma in Engineering (Electronics) with not less than 55% of marks or equivalent	----	Visits to seismological stations, data acquisition and preliminary analysis

Post Code	Position	No. of position(s)	Essential Qualifications	Desirable	Job requirement
11	Project Assistant Level – I	1	Diploma in Engineering (Computers) with not less than 55% of marks or equivalent	---	Intensive field data collection and computations
12	Project Scientist (R-1) / (R-2) / (R-3) / Research Associate-I	10	<u>Project Scientist (R-1)</u> Ph.D (Submitted) in Physical Sciences / Geophysics / any sub-discipline of Geophysics / Geology / Hydrology <u>Project Scientist (R-2) / Research Associate-I</u> Ph.D in Physical Sciences / Geophysics / any sub-discipline of Geophysics / Geology / Hydrology <u>Project Scientist (R-3)</u> Ph.D in Physical Sciences / Geophysics / in any sub-discipline of Geophysics / Geology / Hydrology *plus* 5 years post qualification R&D experience	Experience in Seismic Wavefield / Modeling & Inversion / Experience in working groundwater project / Experience in Seismology / Experience of working in the field of Electromagnetic/ Computational Geophysics	Field and laboratory works as required under the project / Seismic Tomography / Hydrogeological interpretation and aquifer modeling / Development of inversion algorithms for interpretation of transient EM data; participation in field surveys anywhere in India
13	Project Scientist (R-2)	1	M. Tech in Electronics / Embedded System/ VLSI / Instrumentation or equivalent with 1st Class or 60% of marks *plus* minimum 3 years experience in analog circuit /EM sensor electronics design, simulation / Testing of schematic designs	---	To carry out analog circuit /sensor electronics design, simulation, and layout, tape-out of circuit design and Characterization/Testing of schematic designs
14	Project Scientist (R-2)	1	M. Tech in Electronics / Communication / Instrumentation / Embedded Systems and knowledge in Embedded firmware design and testing with 1st Class or 60% of marks plus minimum 3 years experience in embedded firmware development.	---	To carry out the embedded firmware development, testing and complete packaging of the device

Post Code	Position	No. of position(s)	Essential Qualifications	Desirable	Job requirement
15	Project Assistant Level-III	1	M. Tech in Electronics / Communication / Instrumentation / Embedded Systems / VLSI or equivalent with not less than 55% of marks 'OR' B. Tech in Electronics / Communication / Instrumentation with not less than 55% of marks *plus* minimum 2 years experience and knowledge in analog circuit / EM sensor electronics design, simulation / Testing of schematic designs	----	To carry out analog circuit /EM sensor electronics design, simulation, and layout, tape-out of circuit design and Characterization/Testing of schematic designs / EM field testing
16	Project Assistant Level-III	1	M. Tech in Electronics / Communication / Instrumentation / Embedded Systems and knowledge in Embedded firmware design & testing with not less than 55% of marks 'OR' B. Tech in Electronics / Communication / Instrumentation with not less than 55% of marks *plus* minimum 2 years experience in C / Embedded C / Linux programming / embedded firmware development	Experience in C / Embedded C / Linux programming	To carry out Embedded firmware design and testing.

Note: In respect of the Post Codes against which Project Assistant Level-II/III, Project Scientist (R-1)/(R-2)/(R-3)/Research Associate-I have been notified in the advertisement, based on the performance of the candidate in the interview and on the recommendations of the Committee, the Director has discretion to award any of the level/position notified subject to fulfilling the essential qualification and age etc.

Upper age limit (as on date of Interview) & Stipend details:

Level	Stipend (Rs./- p.m.)	Upper age limit (in years)
Project Assistant Level – I	15,000	28
Project Assistant Level – II	25,000	30
Project Assistant Level – III	28,000	35
Research Associate-I	36,000	35
Project Scientist (R-1)	48200/50600/53000/55400/57800	Below 40
Project Scientist (R-2)	56100/58900/61700/64500/67300	Below 40
Project Scientist (R-3)	87600/92000/96400/100800/105200	Below 40

List of Projects under various Post Codes advertised:

Post Code 1

i) Ground Gravity & Magnetic Study of Maha-Koshal Region, Central India (APS)
ii) Central facilities and coordination of the project: Assessment of Regional Hydrological Systems using Space-Borne Gravity Observations (VMT)
iii) Evaluation of anthropogenic pressures impact on hydrological processes over the Indian subcontinent using Space-Borne Gravity Observations (VMT)
iv) P81 – 113 (MO)
v) Mission Mode Projects (DSN)
vi) MLP-6402-28(NV)
vii) SSP-700-28 (AM) / MLP-6404-28 (AM)
viii) SHIVA/GEOMET/CURE
ix) Development of "DRone based Electromagnetic and Magnetic System" (DREAM)

Post Code 2

i) GAP-762-28 (AKP)
ii) GAP-732-28 (HVS)
iii) Mission Mode Projects (DSN)
iv) SHIVA/GEOMET/CURE
v) GAP-701-28 (PK)

Post Code 3

i) GAP-735-28 (PSRP)
ii) GAP-329-28 (KS/PSRP)
iii) Gas Hydrates (ExxonMobile Project) (PSRP)

Post Code 4

i) Development of "DRone based Electromagnetic and Magnetic System" (DREAM)

Post Code 5

i) GAP-768-28 (PSK)

Post Code 6

i) STS-9909-28 (DC&KN)

Post Code 7

i) Mission Mode Projects (DSN)

Post Code 8

i) SSP-700-28 (AM) / MLP-6404-28 (AM)

Post Code 9

i) STS-9902-28 (PME&BDG)

Post Code 10

i) GAP-732-28 (HVS)

Post Code 11

i) SSP-782-28 (HVS)

Post Code 12

i) GAP-329-28 (KS)
ii) Mission Mode Projects (DSN)
iii) SSP-700-28 (AM) / MLP-6404-28 (AM)
iv) SHIVA/GEOMET/CURE
v) GAP-701-28 (PK)
vi) Groundwater Assessment of Regional Hydrological System using Space Borne Gravity Observation (SA)

Post Codes 13, 14, 15 & 16

i) Development of "DRone based Electromagnetic and Magnetic System" (DREAM)

Interested candidates (Indian Nationals only) fulfilling the criteria towards age, education qualifications etc. as detailed against each post above may appear for Interview as per the instructions given below in **Terms & Conditions**:

Terms & Conditions:

1 Age relaxation: 5 years in case of SC/ST/OBC/PWD and Women candidates.

2 Date & Time of Interview: **09.08.2018 & 10.08.2018 from 8:30 AM onwards.**

3 Registration: Candidates appearing for Interview against the above Post Codes are required to register on-line (For details, please visit CSIR-NGRI website). **The online registration will open at 10:00 a.m. on 14.07.2018 (Saturday) and will close at 06:00 p.m. on 24.07.2018 (Tuesday).**

4 If the number of candidates registered online for Interview is very high, then the Candidates will be shortlisted by a screening committee based on academic qualification and /or experience. In case of short listing is done by screening committee, then the committee will adopt its own criteria. The list of candidates shortlisted by committee will be displayed on CSIR-NGRI website on **26.07.2018** and they are required to appear for Interview on **09.08.2018 &/ 10.08.2018**. No separate call letters/admit cards will be issued for attending Interview. In case of written test, the same will be held on **09.08.2018** and 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.

5 The shortlisted candidates may appear for Interview along with originals and one set of photocopies of Certificates of educational qualification, age, caste (in case of SC/ST/OBC candidates), one recent passport size photo etc. on the date(s) and time as mentioned above at CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad–500007.

6 The number and levels of positions may increase or decrease at the time of actual selection. 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 interview.

Sd/-
Administrative Officer