

# INSTITUTE OF SEISMOLOGICAL RESEARCH

(Department of Science & Technology, Govt.of.Gujarat)

Next to Petroleum University (PDPU),

**Raisan, Gandhinagar, Gujarat-382009**

**Website: [www.isr.gujarat.gov.in](http://www.isr.gujarat.gov.in)**

## ADVERTISEMENT No. ISR- 02 / 2011

Institute of Seismological Research (ISR) a premier Research Institute under the aegis of Department of Science & Technology, Government of Gujarat, proposes to appoint talented academics and researchers for our core group scientist positions. Applications in the prescribed format are invited for the following positions from bright and eligible Indian Nationals with excellent and consistent academic record, a high degree of motivation and who proposes to take up research in Seismology as a career.

The Institute of Seismological Research plans to fill-up the following core group posts

S r. N o	Name of Post	No. of Posts	Essential Qualification	Experience in Seismological Research	Age Limit	Pay Scale
1	Scientist-D	2	M.Tech/M.Sc.Tech/M.Sc.  Geophysics/Geology/Physics	7 years	37 yrs	15600- 39100  Grade Pay 7600
2	Scientist-C	2	M.Tech/M.Sc.Tech/M.Sc.  Geophysics/Geology/Physics	5 years	35 yrs	15600- 39100  Grade Pay 6600
3	Scientist-B	8	M.Tech/M.Sc.Tech/M.Sc.  Geophysics/Geology/Physics	1 year	32 yrs	15600- 39100  Grade Pay 5400

**Disciplines requirement:**

**Scientist-B**

- I. **Specialization:** Geophysical exploration methods  
**Job Requirements:** Designing Geophysical surveys (MT, Electrical, EM, Gravity & Magnetic), data acquisition, processing and modeling related to shallow & deep crust imaging and writing scientific papers.
- II. **Specialization:** Shallow Seismic Exploration and PS logging  
**Job Requirements:** To conduct Engineering Seismograph and PS-logging surveys under microzonation studies, seismic data acquisition, processing, modeling related to shallow crust imaging, site characterization and writing scientific papers.
- III. **Specialization:** Micro tremor and Site response studies  
**Job Requirements:** Designing Micro tremor and seismic experiments, seismic data acquisition, processing, modeling related to shallow & deep crust imaging and writing scientific papers.
- IV. **Specialization:** Crustal Deformation studies using GPS  
**Job Requirements:** To maintain the permanent GPS network, conduct campaign mode GPS operations to study crustal deformation, strain rates and writing scientific papers.
- V. **Specialization:** Paleoseismology and Active fault investigations  
**Job Requirements:** To carry out paleoseismological studies using OSL dating, active fault investigations and writing scientific papers
- VI. **Specialization:** Seismological Research  
**Job Requirements:** To maintain the permanent & mobile Broadband Seismological network, SMA network, pursue research on earthquake process & structure and writing scientific papers.
- VII. **Specialization:** Geo-Technical Investigations  
**Job Requirements:** To conduct various geo-technical investigations, drilling and logging as part of Microzonation studies, analysis, mapping using GIS & Remote Sensing tools and writing scientific papers.
- VIII. **Specialization:** Multi Parametric Geophysical Observations  
**Job Requirements:** Maintenance of sophisticated Geophysical instruments (Super Conducting Gravimeter, Borehole Strainmeters, Magnetometers, Radon Monitors and Water Level Recorders), data acquisition in field, participation in data processing & modeling, pursue earthquake precursory research and writing scientific papers.

**Scientist-C**

- IX. **Specialization:** Seismological Research
- X. **Job Requirements:** Overall management of one of the following key research areas in the institute like
  1. Microzonation studies i.e., site response using broadband and microtremor surveys, engineering seismograph & PS logging surveys and writing scientific papers.
  2. Geophysical surveys like Electrical, EM, MT, Gravity & Magnetic; pursue research and writing scientific papers.
  3. Crustal deformation studies using GPS & INSAR, Ground motion studies using Strong Motion Accelerographs and writing scientific papers.
  4. Permanent and mobile Broadband Seismological network and Strong Motion Accelerograph network and pursue research on earthquake process & structure and writing scientific papers.
  5. Sophisticated Geophysical instruments (Super Conducting Gravimeter, Borehole

Strainmeters, Magnetometers, Radon Monitors and Water Level Recorders), data acquisition in field, participation in data processing & modeling and pursue earthquake precursory research and writing scientific papers.

## **Scientist-D**

### **XI. Specialization: Seismological Research**

**Job Requirements:** To design and undertake research in Seismological Research along with overall management of permanent and mobile Broadband Seismological network and Strong Motion Accelerograph network, Microzonation, Geophysical and Geotechnical studies in the institute. Preparation of various project proposals, reports, scientific papers and motivating the team members for successful execution of various projects. He should assist the Director General on various tasks for smooth running of the institute and its development. He should also undertake various administrative, management and H-R related works of the institute.

### **XII. Specialization: Multi Parametric Geophysical Observations**

**Job Requirements:** To design and undertake research in Earthquake precursory research through multi parametric geophysical observations (MPGO) with overall management of sophisticated Geophysical instruments (Super Conducting Gravimeter, Borehole Strainmeters, Magnetometers, Radon Monitors and Water Level Recorders), crustal deformation studies, and paleoseismological research in the institute. Preparation of various project proposals, reports, scientific papers and motivating the team members for successful execution of various projects. He should assist the Director General on various tasks for smooth running of the institute and its development. He should also undertake various administrative, management and H-R related works of the institute.

The areas and the number of positions mentioned against each are inter-changeable depending upon the institutional needs and availability of talent.

### **General conditions**

1. The number of posts to be filled may vary. The Department reserves the right to cancel the recruitment without assigning any reason.
2. The prescribed essential qualifications are minimum and the mere possession of the same does not entitle candidates to be called for interview.
3. The selected candidates are liable to serve anywhere in Gujarat and outside.
4. Experience will be counted after completion of essential academic qualifications.
5. Possess the basic Knowledge of Computer Application.
6. The upper age limit may be relaxed up to five years in favour of a candidate who is already in the Service of State Government or Central Government or Government undertaking Board / Corporation or the Local Bodies of the State or the Statutory Organisation.
7. The preference will be given to the candidates who possesses a degree of post graduate in Geophysics in the case of Scientist-B posts.
8. Have adequate knowledge of Gujarati/Hindi and English.
9. A candidate appointed by direct selection will be kept on probation for a period of two years.
10. A selected candidate will be required to furnish a security and surety bond in such form, for such amount and for such period as may be prescribed by the Institute from time to time.
11. Applications can be down-loaded from the website [www.isr.gujarat.gov.in](http://www.isr.gujarat.gov.in). The candidates working in Government departments/public sector organizations and Govt.funded research agencies will be considered only if forwarded through proper channel (advance copy of application should reach before the last date) and with a clear certificate that no vigilance case is being pending/contemplated against him/her and the applicant will be relieved immediately/within fifteen days of receipt of appointment order.
12. Candidates those who are willing to apply for more than one cadre, should apply in separate applications.
13. Applications not accompanied by the relevant attested copies of certificates including semester-wise/year wise Memorandum of Marks sheet(s) will be summarily rejected.
14. Incomplete and unsigned applications as well as those received after the last date will not be

considered.

15. Government rules of reservations for WOMEN, PH, SC, ST and OBC will be followed.
16. Mere fulfilling the essential educational qualifications and experience will not vest any right on a candidate for being called for interview. The applications will be short-listed based on academic track record & experience and the decision of the Institute will be final.
17. Canvassing in any form, and/or bringing in any influence, political or otherwise, will be treated as a disqualification for the post.

**Interim enquires will not be entertained.**

18. **HOW TO APPLY :** Applications should be neatly typed on thick plain paper A4 size, 210 x 297 mm) in the prescribed format given in our website

(a) A self-addressed post-card with requisite stamp should be sent along with the completed application. Candidates should indicate in this card the Advertisement number and name of the post applied for. The applications will be acknowledged by the Department by returning this card to the candidates after indicating the Registration number allotted to them. Candidates may note that no separate acknowledgement other than this card will be sent to them.

- i. Candidates working in Government Departments / Public Sector Undertakings / Autonomous organisations **should apply through proper channel.**
- ii. Copies of certificates in support of educational qualifications, date of birth, Community (in case of SC/ST/OBC candidates only) and experience should be attached with the application. Candidates will have to produce the original certificates as and when required.
- iii. 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.
- iv. Completed applications should be sent to **Administrative Officer, Institute of Seismological Research, Department of Science and Technology, Next to Petroleum University, Raisan (Vil), Gandhinagar, Gujarat – 382009**, by Registered Post in a cover superscribed **“APPLICATION FOR THE POST OF SCIENTIST ‘D’ or SCIENTIST ‘C’ or SCIENTIST ‘B’”(SEPARATE FORMS MUST BE FILLED FOR DIFFERENT POSTS)** within 30 days ( 45 days for those in Assam, Meghalaya, Arunachal Pradesh, Mizoram, Manipur, Nagaland, Tripura, Sikkim, Ladakh Division of Jammu and Kashmir State, Lahaul and Spiti District and Pangri Sub Division of Chamba District of Himachal Pradesh, Andaman and Nicobar Islands and Lakshadweep) from the date of publication of this advertisement.

**Sd/-**  
**ADMINISTRATIVE OFFICER**  
**Date: 25/05/11**

**FORMAT OF APPLICATION**

Serial Number:  
(for office use only)

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1. Advertisement No : ISR- 02 / 2011
2. Post for which applied :
3. Name in full (starting with last name :  
in BLOCK LETTERS leaving one  
space blank between two parts of  
name)
4. Parent's / Spouse Name :
5. (A.) Date of Birth (DD/MM/YY) :  
(B.) Age on closing date (DD/MM/YY) :
6. Whether you belong to (please tick and : SC ST OBC PH  
if yes, attach relevant certificate)
7. Gender : Male/Female
8. Educational Qualifications(In chronological  
order from matriculation onwards. Enclose a:  
separate sheet, duly authenticated by your  
signature, if the space below is insufficient)

SL. NO.	EXAMS. PASSED	UNIVERSITY / INSTITUTION / BOARD	YEAR OF PASSING	MAIN SUBJECTS TAKEN	SUBJECT OF SPECIALISATION	DIV. / CLASS & % OF MARKS

9. Employment Record :  
 (Details in chronological order, starting with the first job)  
 (Enclose a separate sheet, duly authenticated by your signature, if the space below is insufficient)

SL. NO.	Name & Address of Employer / Instt.	Post / Fellowship / Association Held	Ad-hoc / regular / temp. / permanent	Period		Total period of each employment in years, months & days	Scale of pay	Nature of duties
				FROM	TO			

10. Total experience in years after Essential Qualification:

11. Description of research work (Annexure, if any)

12. Specialization :  
 (With reference to experience desired for the post)

13. Professional Training:

SL. NO.	ORGANISATION	PERIOD		DETAILS OF TRAINING
		FROM	TO	

14. Present Employment Status :  
(please tick mark on the appropriate box)

UNDER CENTRAL GOVT.	UNDER STATE GOVT.	UNDER AUTONOMOUS BODY	PUBLIC UNDERTAKING	OTHERS (Specify)

15. Nationality :

16. Religion :.....

17. (i) Address for correspondence :.....  
(in BLOCK LETTERS) :.....  
:.....  
:.....

(ii) Email id :

(iii) Telephone/Mobile No. :

18. Nearest Railway Station :.....

19. Present Pay :  
(i) Scale of Pay :.....  
(Revised / Pre-revised)  
(ii) Basic Pay :.....  
(iii) Other allowances :.....  
(excluding HRA & CCA)  
(iv) Total Salary :.....

[ (ii) + (iii) ]

20. Give below the names of two references (they must not be related to you) who are in a position to testify from their personal knowledge as to your fitness for the proposed appointment. They must be persons under whom you have worked or studied.

(i) Name with full address :

(ii) Name with full address :

21. Permanent Address :  
:.....  
(in BLOCK LETTERS) :  
Pin Code:

Telephone/Mobile Number :

22. Any other information you may wish to add :  
[ Like list of publications,  
Membership of :  
learned societies, awards and recognition, :  
etc. (in brief), annexure, if any] :

23. Details of Enclosures :

24. DECLARATION :-

I certify that the foregoing information is correct and complete to the best of my knowledge and belief and nothing has been concealed / distorted. If at any time I am found to have concealed / distorted any material information, my appointment shall be liable to be summarily terminated without notice / compensation.

Place :

Date :

**Signature of the  
candidate**

**CERTIFICATE**

**( TO BE GIVEN BY THE HEAD OF ORGANISATION / OFFICE )**

Certified that the particulars have been verified and found to be correct. It is also certified that no disciplinary / vigilance proceedings are either pending or contemplated against the officer. Integrity of the officer is also certified.

**Place :**

**Date :**

**Signature of the Head of the  
Organisation / Office with Office Seal**