



Government of India  
Department of Space  
Indian Space Research Organisation  
**Indian Institute of Remote Sensing**  
4, Kalidas Road, Dehradun-248 001



Advertisement No. IIRS/P&GA/Estt/01/2011

Date: 12<sup>th</sup> October, 2011

**RECRUITMENT OF JUNIOR RESEARCH FELLOWS (JRFs)**

Indian Institute of Remote Sensing (IIRS), a Unit of Indian Space Research organisation (ISRO), is a premier institute for capacity building and research in the field of remote sensing and geoinformatics. The Institute has a multi-disciplinary and problem oriented research agenda focusing on developing land-ocean-atmosphere applications and understanding Earth's surface and subsurface processes using primarily the space-based technologies. The research programmes are intricately linked to overall goal of ISRO and promote research excellence in satellite remote sensing and system studies.

Applications are invited from young, meritorious and motivated candidates for the posts of JRFs in its different research projects as under.

Post No.	Project/ Project Code*	No. of Posts	Essential Qualification	Desirable Qualification
1	IGBP-LULC Project (Project Code: 1237-14)	One	Masters degree in Geoinformatics/ Remote Sensing/ Remote Sensing & GIS/ Geo-information Science and Earth Observation with Bachelor degree in Science/ Engineering	Experience in geospatial information processing and knowledge of programming language
2	IGBP-LULC Project (Project Code: 1237-14)	One	Masters Degree in Forestry/ Ecology/ Botany	Knowledge in remote sensing & GIS applications
3	IGBP Project (Project Code:8046)	One	Masters Degree in Physics/ Atmospheric Science/ Geoinformatics	Knowledge in computer programming (with experience in computer based analysis) and remote sensing & GIS
4	IGBP/NAPCC Project (Project Code: 896-17)	One	Masters Degree in Geology/ Applied Geology/ Marine Science	Knowledge in remote sensing & GIS
5	IBIN Project (Project Code: 8051)	One	Masters Degree in Physics/ Maths/ Statistics/ Computer Applications/ Computer Science/ Information Technology or BE/ B.Tech. in Computer Science & Engineering/ Information Technology or equivalent	PG Diploma in Computer Applications (PGDCA) from Government recognized institute; Experience in web technologies and databases like programming languages such JAVA, DOTNET framework, ASP, JavaScript, XML, XSL, VB script etc. and working knowledge of ORACLE 9i/10G/11i; Knowledge in WebGIS, GIS & RS will be an added advantage
6	IGBP NCP-SVF Project (Project Code: 896-13)	One	Masters Degree in Physics/ Atmospheric Science/ Agricultural Physics/ Agriculture Meteorology	Knowledge in remote sensing & GIS and computer programming
7	IGBP NCP-SVF Project (Project Code: 896-13)	One	Masters Degree in Forestry/ Ecology/ Botany/ Environmental Science	Degree/ Diploma in Remote Sensing & GIS Applications; Knowledge of statistics/ mathematical data processing and computer programming
8	RISAT-UP Project (Project Code: 7.3.1.2)	One	M.Tech. in Hydrology/ Water Resources Engg. / Applied Hydrology/ Remote Sensing and GIS or MCA or Masters Degree in Geophysics/ Geoinformatics/ Physics/ Mathematics with at least two subjects from Hydrology/ Mathematics/ Physics at graduate level	Degree/ Diploma in Remote Sensing & GIS and/or with some experience in SAR data processing
9	SARAL ALTIKA Project (Project Code: 8050)	One	B. Tech. in Civil Engineering/ Computer Sciences or MCA or M.Tech. in Hydrology/ Water Resources Engineering/ Applied Hydrology/ Environmental Engineering or M.Sc. in Geophysics/ Physics/ Oceanography/ Mathematics with at least two subjects from Hydrology/ Mathematics/ Physics at graduate level	Degree or Diploma in Remote Sensing & GIS, experience in processing spaceborne altimeter data, knowledge of computer programming (C++, Matlab, IDL)

\*Details are given at the end.

*Note: For all posts, candidates should have passed in First Division in the Qualifying Degree with an aggregate marks of 65% (average of all semesters/ years as applicable). Rounding-off of marks is not allowed.*

**Age Limit:** Age should not be more than 30 years on the date of receipt of application. Age relaxation to SC/ST/OBC/PWD will be admissible as per rules.

**Fellowship & Duration:** **Rs. 16,000/- or Rs. 18,000/- per month depending on Qualification** + HRA (as per DOS OM A.9/2/1/2005-II (I) dated November 16, 2010 regarding revised fellowship). The candidate (self only) will also be eligible for availing CHSS facility of the Department. D.A., C.C.A., bonus, LTC, retirement benefits, etc. are not admissible. The fellowship will be offered initially for a period of One Year which can be extended up to three years or till the duration of the project depending on the performance of the candidate.

**Selection process:** The qualifications prescribed in this advertisement are the minimum requirement and the same does not automatically make candidates eligible to be called for interview. Based on the experience and details of marks furnished by the applicants, the candidates will be shortlisted for interview.

**How to apply:**

Application forms completed in all respects in the prescribed format ([www.iirs.gov.in](http://www.iirs.gov.in)) along with attested Xerox copies of marksheets/ certificates/ testimonials/ experience certificates/ proof of date of birth and caste etc. should reach Administrative Officer, Indian Institute of Remote Sensing, 4, Kalidas Road, Dehradun-248001 within 20 days from the date of publication of this advertisement. Applications received after this date will be summarily rejected. The envelope containing the application should superscribe the Post No. and the Project/Project Code as mentioned in the advertisement. Separate application forms have to be submitted for each post. The candidates already in employment under Central/State Government, Public Sector Undertakings or Autonomous Bodies should enclose the "No Objection Certificate" from the employer concerned along with the application.

**General Conditions:**

1. It is mandatory to register for Ph.D. in any of the recognized Indian Universities/ Institutes. IIRS will facilitate this.
2. The Number of posts notified in the advertisement is provisional and may vary depending upon actual requirement.
3. IIRS/ISRO reserves the right not to fill up all or any of the posts, if it so decides.
4. These Junior Research Fellow (JRF) positions are purely on temporary basis for a maximum period of three years or till the Project duration. It may be noted that the JRFs do not carry any claim whatsoever for regular appointments in IIRS/ISRO/ DOS.
5. Candidates called for interview will have to produce all relevant original documents in proof of details furnished in their applications. In case any information furnished in the application is found to be wrong or false, the candidate will not be interviewed.
6. The selected candidates will be posted at IIRS, Dehradun. However the Department reserves the right to post the candidates in any of the Centres/Units of the ISRO/ DOS situated anywhere in India as and when required.
7. Only Indian Nationals should apply.
8. Canvassing in any form will result in disqualification.
9. No interim correspondence will be entertained.
10. No TA/DA shall be paid to candidates called for appearing in the interview.
11. **Government strives to have a workforce which reflects gender balance and women candidates are encouraged to apply.**
12. Interested candidates may visit IIRS website ([www.iirs.gov.in](http://www.iirs.gov.in)) for the application format, advertisement and institutional details.

**Project Details:**

Post No.	Project/ Project Code	Project Title
1	IGBP-LULC Project (Project Code: 1237-14)	Land use and land cover dynamics and impact of human dimensions in Indian river basins
2	IGBP-LULC Project (Project Code: 1237-14)	Land use and land cover dynamics and impact of human dimensions in Indian river basins
3	IGBP Project (Project Code:8046)	Aerosol Radiative Forcing over India
4	IGBP/NAPCC Project (Project Code: 896-17)	Sea level rise and consequent salt water ingress into coastal aquifers (Climate Change Project)
5	IBIN Project (Project Code: 8051)	Establishment of portal for Indian Bioresource Information Network
6	IGBP NCP-SVF Project (Project Code: 896-13)	Soil, Vegetation – Atmosphere Carbon Flux Measurement and Modelling under National Carbon Project
7	IGBP NCP-SVF Project (Project Code: 896-13)	Soil, Vegetation – Atmosphere Carbon Flux Measurement and Modelling under National Carbon Project
8	RISAT-UP Project (Project Code: 7.3.1.2)	Estimation of snow cover area, snow physical parameters and glacier related studies in parts of Western Himalaya using microwave and optical remote sensing
9	SARAL ALTIKA Project (Project Code: 8050)	SARAL-ALTIKA applications for inland Waters, glaciers and Sunderban delta

**Join IIRS/ISRO and participate in Nation's Development**

**Application for the Post of  
Junior Research Fellow (JRF)**

1. Advertisement No., Date & Post No.

2. Post No.:

3. Project Name and Code:

4. Name : \_\_\_\_\_

First Name

Middle Name

Surname

*Affix  
Photograph*

5. Name of Father/ Husband/ Guardian:

6. Date of Birth:

7. Sex (Male / Female):

8. Nationality:

9. Whether SC/ST/OBC:

10. Address for Correspondence:

11. E-mail:

12. Permanent Address:

13. Educational Qualification (from 10<sup>th</sup> Class onwards):

Class/ Degree	Subject(s)	Division	% or Grade <sup>@</sup>	Board/Institute/ University	Year of passing

<sup>@</sup> Mention conversion factor in case of grade

14. Experience in Remote Sensing & GIS:

15. Computer knowledge :

- Professional qualification, if any:
- Knowledge of programming language(s):
- Knowledge/ Experience in handling DIP/GIS software:

16. Whether qualified CSIR/UGC NET exam and validity (if applicable):

17. Previous Employment (in chronological order): *(name of employer & address, post held, salary drawn, period of service, nature of duties)*

18. List of Publications (if any):

19. Any other information:

**Declaration**

I affirm that the information given in this application is true and correct. I also fully understand that if at any stage it is discovered that an attempt has been made by me to willfully conceal or misrepresent the facts, my candidature may be summarily rejected or my employment terminated.

Date:

**(Signature of Candidate)**

Place:

***Note: Please attach attested copies of marksheets/ certificates/ testimonials/ proof of birth and caste, etc. along with the Application Form. Originals are to be produced at the time of interview. Application form completed in all respects should reach us by specified date. Incomplete application forms will not be considered.***