



Advt. No.: IIRS/P&GA/Estt./Rectt./18

Date: 13/10/2017

Indian Institute of Remote Sensing (IIRS), a unit of Indian Space Research Organization (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 towards operationalization of space-based services for national development.

Young and motivated candidates are invited for the Walk-in interview for the post of Junior Research Fellow (JRF) under the following research projects:

Post No.	No of Positions	Essential Qualifications	Desirable Qualification	Duration
JRF01 (DMS)	One (1)	<p>(a) Master's Degree in Geology / Geophysics / Applied Geology / Applied Geophysics. M.Sc degree should be in first class with an aggregate minimum of 65% (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent*1</b> qualified in any year in relevant subject.</p> <p style="text-align: center;"><b>(OR)</b></p> <p>(b) M. Tech in Remote Sensing and GIS / Geomatics. M.E / M. Tech or its equivalent degree should be in first class with an aggregate minimum of 60% or CGPA /CPI grading of 6.5 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent*1</b> qualified in any year in relevant subject.</p>	Computer programming skill in Python, Matlab, IDL etc.	The fellowship will be offered initially for a period of one year, which may be extended further till the duration of the project (likely up to March 2020) depending on the performance of the candidate.
JRF02 (URSD)	One (1)	<p>(a) M. Planning (Urban Planning/City Planning / Regional Planning / Environmental Planning or equivalent) or M. Tech. (Civil Engineering / Computers / Information Technology / Remote Sensing &amp; GIS / Geoinformatics / Geomatics or Equivalent). ME / M. Tech or its equivalent degree should be in first class with an aggregate minimum of 60% or CGPA / CPI grading of 6.5 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent*1</b> qualified in any year in relevant subject.</p> <p style="text-align: center;"><b>(OR)</b></p> <p>(b) M.Sc in Geography / Physics / Mathematics / Atmospheric Sciences or equivalent. M.Sc degree should be in first class with an aggregate minimum of 65% (average of all semesters) or CGPA / CPI grading of 6.84 on a 10 scale or equivalent. The candidate must be <b>NET or</b></p>	Post Graduate Degree / Diploma in Remote Sensing / GIS / Geoinformatics / Geomatics or experience in use of Remote Sensing and GIS / LINUX / downscaling / urban climate modeling and computer programming skills (C++, MATLAB, Python, IDL, etc.) will be given preference.	The fellowship will be offered initially for a period till the duration of the project i.e. likely up to March 2018. Duration may further extended depending on the performance of the candidate and extension of project.

*SL*



<p><b>JRF03</b> (PRSD)</p>	<p>One (1)</p>	<p><b>Equivalent<sup>*1</sup></b> qualified in any year in relevant subject</p> <p>(a) M. Tech / M.Sc in Geoinformatics / Remote Sensing / Geomatics or equivalent with B.E Computer Science / Information Technology / Electronics. ME/M. Tech or its equivalent degree should be in first class with an aggregate minimum of 60% (65% for M.Sc) or CGPA/CPI grading of 6.5 (6.84 for M.Sc) on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent<sup>*1</sup></b> qualified in any year in relevant subject.</p> <p style="text-align: center;"><b>(OR)</b></p> <p>(b) M.Sc Physics / Oceanography / Marine Sciences / Geology. M.Sc degree should be in first class with an aggregate minimum of 65% (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent<sup>*1</sup></b> qualified in any year in relevant subject.</p>	<p>Knowledge of Remote Sensing, Photogrammetry and Image Processing and work experience with advanced image processing tools and computer programming skills (C/C++, Matlab, IDL, Python etc.) will be given preference.</p>	<p>The fellowship will be offered initially for a period till the duration of the project i.e. likely up to March 2018. Duration may further extended depending on the performance of the candidate and extension of the project.</p>
<p><b>JRF04</b> (GSGHD)</p>	<p>One (1)</p>	<p>(a) M.Sc in Geology / Applied Geology with Physics / Mathematics at B.Sc. Level. M.Sc degree should be in first class with an aggregate minimum of 65% (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent<sup>*1</sup></b> qualified in any year in relevant subject.</p> <p style="text-align: center;"><b>(OR)</b></p> <p>(b) M. Tech in Geology / Geophysics with Physics/Mathematics at B.Sc. Level. ME / M. Tech or its equivalent degree should be in first class with an aggregate minimum of 60% or CGPA/CPI grading of 6.5 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent<sup>*1</sup></b> qualified in any year in relevant subject.</p>	<p>----</p>	<p>The fellowship will be offered initially for a period till the duration of the project i.e. likely up to March 2018. Duration may further extended depending on the performance of the candidate and extension of the project till 2019.</p>

JRF 05 (WRD)	One (1)	<p>(a)M. Tech in Agriculture Engg / Civil Engg /Water Resources Engg / Hydrology / Computer Science / Environmental Engg/ Remote Sensing &amp; GIS or equivalent M.E./M. Tech or its equivalent degree should be in first class with an aggregate minimum of 60% or CGPA/CPI grading of 6.5 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent*1</b> qualified in any year in relevant subject.</p> <p>(OR)</p> <p>M.Sc in Geology /Atmospheric Sciences / Physics / Mathematics / Geography / Environmental Science / Geoinformatics or equivalent. M.Sc degree should be in first class with an aggregate minimum of 65% (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent*1</b> qualified in any year in relevant subject.</p>	Knowledge of hydrology and computer programming skills will be given preference	The fellowship will be offered initially for a period of one year, which may be extended further till the duration of the project (likely up to March 2019) and depending on the performance of the candidate.
JRF 06 (WRD)	One (1)	<p>M. Tech in Agriculture Engineering / Civil Engineering / Water resources Engineering/hydrology / Computer Sciences/Remote Sensing and GIS or equivalent. M.E./M. Tech or its equivalent degree should be in first class with an aggregate minimum of 60% or CGPA/CPI grading of 6.5 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent*1</b> qualified in any year in relevant subject.</p> <p>(OR)</p> <p>*M.Sc in Geology /Atmospheric Science / Physics / Mathematics/Geography/ Geoinformatics or equivalent. M.Sc degree should be in first class with an aggregate minimum of 65% (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent*1</b> qualified in any year in relevant subject.</p>	Candidates with knowledge of hydrology and computer programming skills will be given preference	The fellowship will be offered initially for a period of one year, which may be extended further till the duration of the project (likely up to March 2020) and depending on the performance of the candidate
JRF 07 (ASD)	One (1)	<p>M.Sc. in Agriculture Agronomy/Agrometeorology/Soil Science/M.Sc.in Environmental Science. M.Sc. degree should be in first class with an aggregate minimum of 65% (average of all semesters) or CGPA/CPI grading of 6.84 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent*1</b> qualified in any year in relevant subject.</p> <p>(OR)</p> <p>M. Tech in Remote Sensing and GIS/M. Tech in Agriculture Engg./Soil &amp; Water Conservation Engg./Environmental Engg. M.E./M. Tech or its equivalent degree should be in first class with an aggregate minimum of 60% or CGPA/CPI</p>	Remote sensing and GIS Applications Agriculture and Crop yield Modeling	The fellowship will be offered initially for a period of one year, which may be extended further till the duration of the project (likely up to March 2019) and depending on the performance of the candidate

AD



		grading of 6.5 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent</b> *1 qualified in any year in relevant subject.	
JRF 08 (GSGHD)	One (1)	<p>M.Sc in Geology / Applied Geology with Physics or mathematics at B.Sc level. M.Sc degree should be in first class with an aggregate minimum of 65% (average of all semesters) or CGPA / CPI grading of 6.84 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent</b>*1 qualified in any year in relevant subject.</p> <p>(OR)</p> <p>M. Tech in Geology / Geophysics with physics mathematics at B.Sc level. ME / M. Tech or its equivalent degree should be in first class with an aggregate minimum of 60% or CGPA / CPI grading of 6.5 on a 10 scale or equivalent. The candidate must be <b>NET or Equivalent</b>*1 qualified in any year in relevant subject.</p>	----- The fellowship will be offered initially for a period till the duration of the project i.e. likely up to March 2018. Duration may further extended depending on the performance of the candidate and extension of the project till 2019.

**Note**\*1: NET or equivalent qualification is essential wherever prescribed. Any national level examination conducted by Central Government Department / Agencies for admission to Ph.D. programme are considered Equivalent to NET. The following examinations can also be equated to NET.

- CSIR-UGC National Eligibility Test including NET-Lectureship.
- Graduate Aptitude Test in Engineering (GATE) conducted by MHRD.
- Joint Admission Test (JAM) conducted by MHRD.
- Graduate Pharmacy Aptitude Test (GPAT) conducted by MHRD.
- Biotechnology Eligibility Test & Test conducted in Bio-informatics by Bio-informatics National Consortium.
- Joint Entrance Screening Test (JEST), Joint Graduate Entrance Examination for Biology & Interdisciplinary Life Sciences (JGEEBILS) conducted by the Department of Atomic Energy.
- JRF Entrance Examination conducted by the Indian Council of Medical Research.
- All India Competition Examination (AICE) conducted by the Indian Council of Agricultural Research.
- NET or equivalent qualified in any period.

**Age limit:** The age limit is 28 years on the **date of walk-in interview** but relaxable for 5 years in case of SC/ST candidates and 3 years in case of OBC candidates.

**Fellowship & Duration:** JRFs will be paid an amount of Rs25000/- (Rupees Twenty Five Thousand Only) per month as fellowship. D.A. is not admissible. However, they will be eligible for H.R.A. as per the rules of Government. For this purpose, the fellowship amount will be taken as Basic Pay. JRFs will be allowed to avail the CHSS (medical) facility for self only. Leave and other service benefits shall be as per the Department of Space /ISRO guidelines. DA, CCA, Bonus, LTC, retirement benefits, etc. are not admissible. The maximum period of engagement of JRF shall not exceed FIVE years. The fellowship will not confer any claim or right for regular appointment in any DOS/ISRO centre.

**Walk-in Interview Schedule:**

Sl. No.	Post Code	Date and Reporting Time
01.	JRF 03 (PRSD)	8 <sup>th</sup> November 2017: 0900HRS
02.	JRF 07 (ASD)	8 <sup>th</sup> November 2017: 0900HRS
03.	JRF 05 (WRD)	9 <sup>th</sup> November 2017: 0900HRS
04.	JRF 06 (WRD)	9 <sup>th</sup> November 2017: 0900HRS



05	JRF 02 (URSD)	10 <sup>th</sup> November 2017: 0900HRS
06	JRF 01 (DMS)	10 <sup>th</sup> November 2017: 0900HRS
07	JRF 04 (GSGHD)	10 <sup>th</sup> November 2017: 0900HRS
08	JRF 08 (GSGHD)	10 <sup>th</sup> November 2017: 0900HRS

**Venue:** Visiting Scientist Hostel  
IIRS Campus  
4 Kalidas Road, Dehradun,  
Uttarakhand – 248 001.

**Selection process:** On the date of walk-in interview, the qualification of the candidates will be verified with the certificates and supporting documents and with eligibility criteria viz. age & essential qualification. The walk-in interview of eligible candidates will be conducted by the selection committee and on the basis of qualification and interview performance, the candidate will be selected. The qualification prescribed is the minimum requirement and the same does not automatically make candidate eligible for the interview. In case of large number of candidates appearing for walk-in interview then they may be interviewed on the next day therefore they are advised to accordingly make their necessary arrangement.

#### How to apply:

Candidates shall come for **walk-in interview** on the prescribed date with the duly filled application form along with original certificates in support of Qualification for verification. The application format is hosted on our website [www.iirs.gov.in](http://www.iirs.gov.in). There is NO need to send the duly-filled application form to IIRS by mail/post. Candidate need to bring duly filled application form at the time of walk-in interview only.

Candidates may please intimate their willingness to appear in interview by e-mail to [pkbansal@iirs.gov.in](mailto:pkbansal@iirs.gov.in).

If any query/doubt regarding eligibility, Candidates shall feel free to call/e-mail at 0135-2524324/[pkbansal@iirs.gov.in](mailto:pkbansal@iirs.gov.in).

**Government strives to have a workforce which reflects gender balance and women candidates are encouraged to apply.**

#### Other conditions/instructions:

1. Only passed candidates are eligible to apply. Students awaiting for final result need not to apply.
2. **Original education, experience, Caste/Tribe, identity certificate shall be produce at the time of interview otherwise the candidature of the candidate will be cancelled.**
3. **The selected JRFs will work on specific research theme (project) and can register for Ph.D. degree. Selected candidates should be willing to work anywhere in India (including remote places) and partake in field experiments as per requirements.**
4. Candidates belonging to OBC must submit a certificate specifically including the clause regarding exclusion from creamy layer which should be updated/valid at the time of interview.
5. Mere fulfillment of the qualitative requirements of the posts will not entail a candidate to be selected.
6. Canvassing in any form will result in disqualification.
7. IIRS/ISRO reserves the right not to fill up all or any of the position, if so decides.
8. Any information furnished in the application is found to be false or wrong, the candidate will not be interviewed and TA will not be paid.
9. No accommodation to attend the interview shall be provided or arranged by IIRS.
10. CGPA shall be converted into percentage of marks as per the candidate's university norms.
11. Those who are already in employment under the Central Government/State Government/Public Sector Undertaking/Autonomous Body or any organizations which is aided by the Government, shall produce "No Objection Certificate" from the employer at the time of interview otherwise the candidature of the candidate will be cancelled.
12. **Only indian National needs to apply.**
13. No interim correspondence will be entertained. IIRS reserves the right not to fill the position, if it desires so. Canvassing in any form will be a disqualification.
14. **Candidates who fulfill all the minimum education qualification, age criteria and appear for interview will be paid railway fare of Sleeper Class or its equivalent ONLY on producing the necessary tickets and for the shortest route to Dehradun from declared present residence or permanent residence or place of boarding station as declared in the form.**
15. The interview venue is located about 05 kms. from Dehradun Railway Station and 10 kms. from ISBT, Dehradun. In order to reach venue, you may board Vikram (Blue colour passenger Tempo) up to Clock Tower then from Astley Hall to Hathibarkala Post Office in order to reach the venue. In case of any difficulty, candidate may contact at 0135 - 2524100.

*AS*