



**NATIONAL INSTITUTE OF TECHNOLOGY PATNA**  
(An Institute under Ministry of HRD, Govt. of India)  
**ASHOK RAJPATH, PATNA – 800 005 (BIHAR)**

**ADVERTISEMENT FOR  
Research Associates (RA)**

Project Title	<b>Quantum Foundations to Quantum Technologies</b>		
Description of the project	It is a Multi-Institutional Networked Programme on Quantum Enabled Science & Technology (QuEST) initiated by ICPS division of DST India.		
PI	Dr. Alok Kumar Pan, Department of Physics, NIT Patna		
Ref. No.	DST/ICPS/QuST/Theme-1/2019/4 dated 30.03.2019		
No of RA post	02		
Emoluments	As per DST rules (DST Office Memorandum SR/S9/Z-08/2018 dated 30.01.19)		
Qualifications and Experience	Mandatory	As per the attached Office Memorandum SR/S9/Z-08/2018 dated 30.01.19.	
	Desirable	Expertise in one of the areas of quantum foundations, quantum information theory, quantum cryptography, quantum metrology, quantum computation, quantum optics along with publications in high visibility journals.	
Relevant Information	<ul style="list-style-type: none"> <li>The candidates who have submitted their PhD thesis may also apply but she/he has to produce the PhD certificate before joining the post.</li> <li>The assignment is purely temporary and it is coterminous with the project.</li> <li>The salary of the RA will be decided based on the experience and recommendation of the committee.</li> <li>If selected, initially the position will be offered for 01 year.</li> <li>Later on, it may be extended on yearly basis maximum up to total tenure of <b>03 years</b> or up to the date of termination of the project (whichever is earlier) subject to evaluation of the performance.</li> <li>Interview will be conducted in <b>online</b> mode only.</li> <li><b>The interview call letter will be sent through email only.</b></li> <li>For more information, mail to Dr. Alok Kumar Pan (akp@nitp.ac.in).</li> </ul>		
Last Date of Application	<b>19 March 2021 (Friday)</b>	Interview	Tentative date of interview is <b>24<sup>th</sup> March 2021</b> . However, this is subject to change depending on the circumstances. Eligible candidates will be informed the final date of interview and other relevant information through email only.
Application Procedure	<ul style="list-style-type: none"> <li>Interested candidate is encouraged to send the application along with her/his latest CV to Dr. Alok Kumar Pan (akp@nitp.ac.in).</li> <li>If one wants to apply by post, the hard copy should reach to Dr. Alok Kumar Pan, Department of Physics, Ashok Rajpath, National Institute of Technology Patna, 800005, India. The email and/or phone number should be mentioned for communication.</li> </ul>		

**PI**

**SR/S9/Z-08/2018**  
**Government of India**  
**Ministry of Science & Technology**  
**Department of Science & Technology**

Technology Bhavan  
New Mehrauli Road  
New Delhi-110016

Dated: January 30, 2019

**OFFICE MEMORANDUM**

**Subject: Revision of emoluments and guidelines on service conditions for research personnel engaged in R& D programme of the Central Government Departments/Agencies**

Attention is invited to the Office Memorandum (O.M.) No. SR/S9/Z-09/2012 dated 21.10.2014 issued by the Department of Science and Technology, Government of India on the above subject. The matter has been further considered by the Government and the following revised emoluments have been approved. The O.M. is applicable to the research personnel working on R&D programmes funded by the Central Government Department/Agencies.

1) **Emoluments:**

**A. Junior Research Fellow (JRF) / Senior Research Fellow (SRF)**

Sl. No.	Designation & Qualification	Revised Emoluments per month
I	<b>Junior Research Fellow (JRF)</b>  Post Graduate Degree in Basic Science OR Graduate / Post Graduate Degree in Professional Course selected through a process described through any one of the following:  a. Scholars who are selected through National Eligibility Tests - CSIR-UGC NET including lectureship (Assistant Professorship) and GATE.  b. The selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICAR, ICMR, IIT, IISc, IISER etc.	Rs. 31,000/-
II	<b>Senior Research Fellow (SRF)</b>  Qualification prescribed for JRF with two years of research experience	Rs. 35,000/-

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A.1 After completion of two years, an external assessment by the Institution where the student is enrolled for Ph.D. is mandatory for upgradation from JRF to SRF. The fellow may be awarded SRF after successful assessment.

A.2 Annual Satisfactory Assessment is mandatory to continue the benefit of fellowship during SRF period.

## B. Research Associate

Research associates may be fixed at a consolidated amount at one of the 3 pay levels given below depending upon the qualification and experience. The Institute/Organization concerned may decide the level in which a particular associate should be placed based on the experience. The Essential Qualification (EQ) for RA is as follows:

Ph.D/MD/MS/MDS or equivalent degree or having 3 years of research, teaching and design and development experience after MVSc/M.Pharm/ME/M.Tech with at least one research paper in Science Citation Indexed (SCI) journal.

Sl. No.	Category	Revised Emoluments per month
I	Research Associate –I	Rs. 47,000/-
II	Research Associate –II	Rs. 49,000/-
III	Research Associate –III	Rs. 54,000/-

## 2. Service Conditions:

(i) **DA:** JRFs, SRFs and Research Associates will not be entitled to DA.

(ii) **House Rent Allowance (HRA):** All research fellows may be provided hostel accommodation wherever available. Research fellowship holder residing in hostels shall not be entitled for HRA. Wherever provision of hostel accommodation is not possible, HRA may be allowed to all the above categories viz. JRF, SRF and RA as per Central Government norms applicable in the city/location where they are working. The percentage required for calculating HRA will be based on the fellowship amount.

(iii) **Medical Benefits:** The research fellows and research associates (JRF/SRF/RA) will be entitled for medical allowance as applicable in the implementing institution.

(iv) **Leave and other entitlements:** The JRF/SRF are eligible only for casual leave while Research Associates are entitled to leave as per rules of the host institution. Participation of any of these categories (JRF/SRF/RA) in scientific event/workshops held in India or abroad will be treated as "on duty" with due approval of the host institution. The travel entitlement for JRF/SRF/RA for participation in scientific events/workshops in India will continue to be the same as earlier i.e. 2<sup>nd</sup> AC by rail. Maternity leave as per the Govt. of India instructions issued from time to time would be available to female candidates in all categories.

(v) **Bonus & Leave Travel Concession:** JRFs, SRFs and Research Associates will not be entitled to these allowances.

(vi) **Retirement Benefits:** JRFs, SRFs and Research Associates will not be entitled to these benefits.

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(vii) **Publication/Patent:** The results of JRF/SRF/RA's research work may be published preferably in standard refereed journals with the concurrence of the Fellow and his/her Supervisor / Advisor. It should be ensured by the fellow that the assistance provided by the funding agency of Government of India is acknowledged in all such publications.

(viii) **Obligation of JRF/SRF/RA:**

a) He/She shall be governed by the disciplinary regulations of the host Institute where he/she is working.

b) The JRF/SRF/RA must send a report of the research work done during the period of Fellowship as may be asked by the sponsoring agency.

3. Ministry/Department may consider fixing the number of fellowships considering their budgetary outlays. Central Government Departments /Agencies are requested to ensure that the above guidelines are followed in regard to the remuneration and other benefits to the research personnel engaged in R&D projects funded by them.

4. Selection for award of fellowship shall ordinarily be through common competitive examinations. However, for subjects where there is no examination presently, Government Departments and their authorized agencies and institutions may start conducting examination to screen candidates for award of fellowships. This shall not be applied retrospectively and the persons already enrolled shall be exempted.

5. **Date of Effect:** The revised emoluments will take effect from 01.01.2019. Respective Departments should meet the additionality from their existing budget through matching savings in other schemes. At the time of main budget for 2019-20, this may be reviewed.

6. In order to further enhance value, quality and experience in doctoral research, the Government has agreed to incentivize the research output, for e.g. in the form of publications and patents. An Inter-Ministerial Empowered Committee of the Government is to evolve the modalities of implementation. The Committee will periodically examine all the fellowship matters including disbursement and quantum of fellowship.

7. This issues with the concurrence of the Department of Expenditure, Ministry of Finance vide DoE ID Note No 33(14)/PFC-II/2018 dated 28.01.2019.

*Manoj Kumar*  
(Manoj Kumar)  
Director (Finance)  
Tele: 011-26962743

To

1. All Ministries/Departments/Agencies of the Government of India
2. All Heads of DST