



**INDIAN INSTITUTE OF TECHNOLOGY PATNA  
BIHTA PATNA-801106  
RESEARCH & DEVELOPMENT UNIT**

**ADVERTISEMENT NO: R&D/941/1000/TOA/DSL/378**

**DATED: 15.05.2024**

Project No: - R&D/SP/EE/TOA/2023-24/941 & R&D/SP/EE/DSL/2023-24/1000

Applications are invited in the prescribed format only for the following assignment in a purely time bound research project undertaken in this institute.

**1. (a) Name of the temporary assignment : Junior Research Fellow (One for 941, One for 1000)**

- i. Number of Post : 02
- ii. Duration of the Post : Initially for 6 months extendable up to 1 year,

**(b) Name of the temporary assignment : Post-Doctoral Fellow**

- i. Number of Post : 02 (For 941)
- ii. Duration of the Post : Initially for 6 months extendable up to 1 year

2. Name of the temporary research project :“6G: THz Test bed with Orbital Angular Momentum and Multiplexing”& “Design and simulation of Luneburg Lens and Hemispherical Dielectric Lens Focal Planar array for simultaneous multiple beams”

3. Name of the sponsoring Agency: Department of Telecommunications, Ministry of Communications, Government of India, & Indian Space Research Organisation, Department of Space, Government of India.

4. Consolidated Fellowship/Salary:

(a) For Junior Research Fellow: - Rs. 37000/- per month plus HRA as per GoI norms rules

(b) For Post-Doctoral Fellow: - Rs. 58,000/- per month (consolidated) and Rs. 42,000/- per month for candidates who have submitted the thesis but degree not awarded.

5. Qualifications & Experience:

**(a) For Junior Research Fellow: -**

- M.Tech./M.E/M.S. degree in a Engineering/Technology (Relevant Disciplines: Electronics and Communication, RF and Microwave Engineering, and similar) from a recognized University, with a minimum CPI of 6.0 or 60% of marks. Candidate with GATE/NET score will be given preference.
- Work/research experience in the field of Microwave and Millimeter Wave Technology, Antenna and Microwave measurements, and Software such as CST Microwave Studio, HFSS, ADS, and MATLAB will be given preference.
- Bachelor's degree in Engineering/Technology in a relevant discipline with minimum CPI of 8 or 75% of marks with valid GATE score.
- The upper age limit for applying for the above position shall be 28 years. Relaxations for SC/ST/OBC/women/PD will be given as per the GoI rules.



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**(b) For Post-Doctoral Fellow: -**

- Ph.D degree in Engineering/Technology (Relevant Expertise in the field of Microwave and Antenna Technology, RF and Microwave Engineering, Next Generation Communication Technology and similar) from a recognized University. Those who have submitted their PhD thesis and are awaiting award of the degree are also eligible to apply.
- At list one IEEE Journal/ Letter publication and/or a total of minimum 2 SCI Journal publications with experience in CST Microwave Studio, HFSS, ADS, MATLAB and operating measurement instruments such as VNA, Spectrum Analyser, Anechoic Chamber, and other similar will be given preference.
- The upper age limit for the fellowship is 35 years at the time of the submission of application.

Interested and eligible candidates may apply with up-to-date resume, showing Educational qualification (% of Marks obtained from 10th onwards), Experience, Publications, Achievements, Names of two referees.

Please send the resume (pdf and doc) and application mentioning the “post applied for” to the email id: [amitks@iitp.ac.in](mailto:amitks@iitp.ac.in). Please use the file name as: post-applied\_first name\_last name.pdf.

Link of Google form: <https://forms.gle/Lq353Jt69Qt9oGBKA>

**Last date of receiving application:** May 28<sup>th</sup>, 2024.

**Date of Interview:** June 3<sup>rd</sup>, 2024 (Online)

After the short-listing, the candidates will be informed accordingly to appear for the online written test/interview.

No TA/DA is admissible for appearing in the written test/interview.

For any query contact Investigator(s): **Dr. Amit Kumar Singh, Dept. of Electrical Engineering, IIT Patna, Email: [amitks@iitp.ac.in](mailto:amitks@iitp.ac.in) Tel.: 06115-2338960**

**Deputy Registrar**

Copy to:

1. Associate Dean, R&D, IIT Patna
2. Advertisement file
3. Project file



Form No: RD-M003

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**FORMAT OF APPLICATION FOR “JRF/ POST DOC”**

Name & Address  Including email id and Phone no. (for Correspondence)	Category  (GEN/OBC/SC/S T/PD)	DOB  dd/ mm/yy	Professional Exam. (GATE/CSIR-NET, etc) & Validity
NAME IN CAPITAL Address:    Phone: Email:			

Educational Qualification			
Institute/ Board	Exam Passed	Year of Passing	% of Marks/CPI
	10 <sup>th</sup> Class		
	12 <sup>th</sup> Class		
	Bachelors (B.Tech/B.E.) or equivalent		
	Masters (M.Sc/M.Tech/M.E.) or equivalent		
	Ph.D		

Qualifying degree	Degree/ major/Specialization
(B.Sc/B.Tech/B.E./BCA)	
(M.Sc/M.Tech/M.E/MA/MCA)	
Ph.D	

Signature of applicant

Date:

Place: