

Advanced Systems Laboratory (ASL)

**Dr. A.P.J. Abdul Kalam Missile Complex
(Defence Research & Development Organization)
P.O. Kanchanbagh, Hyderabad - 500 058**

Advertisement No. ASL/2026/JRF/Advt/01

Venue: Dr. R. N. Agarwal ASL Auditorium, ASL, Kanchanbagh, Hyderabad

Advanced Systems Laboratory (ASL), Hyderabad, a premier Laboratory at APJ Abdul Kalam Missile Complex of Defence Research and Development Organization (DRDO) invites online applications for **Junior Research Fellow (JRF) and Research Associate (RA)** from young, meritorious and motivated individual of Indian Nationals, who are having inclination towards research in cutting edge technology for defence applications.

Important: These posts are temporary (of fixed tenure) and will under no condition be regularized or made permanent.

1)	For JRF: Post No. 01	8 Posts
i	Essential Qualification	First Class B.E/B.Tech (Electrical, EEE/ECE/ Electronics) with valid GATE Score OR ME / M.Tech in Electrical / EEE/ECE/ Electronics with first division both at Graduate and Post Graduate levels.
ii	Desirable Qualification	ME / M.Tech in (Electrical / EEE/ECE/Electronics), experience of simulation tools such as Microwave Office, SystemVue, Visual System Simulator, HFSS, VLSI Chip design/FPGA design.
iii	Area of Work	a) Fiber optic Sensors, Smart Sensors and Laser based Sensors and Interrogators b) Framework for Validation of FPGA based application software of mission critical systems. c) Guidance and Control. d) Design of Electromagnetic transparent structures e) Microwave system simulations, EM simulations for wave interference and polarization analysis, RCS and trajectory analysis, Antenna Design & Placement Analysis, Radome Design. f) Signal Processing & Machine Learning algorithm development for AI Decoys, Hardware Development for AI Decoys. g) Microwave / Millimetres wave NDE on CRMC Rocket Motors.
2)	For JRF: Post No. 02	6 Posts
i	Essential Qualification	First Class B.E/B.Tech (Mechanical/Aerospace) with valid GATE Score OR ME/M.Tech in Mechanical/Aerospace with first division both at Graduate and Post Graduate levels.

5).	RA: Post No. 05	1 Post
i	Essential Qualification	Ph.D in Electronics OR ME / M.Tech in first division (Electronics) with 3 years of research, teaching experience in a reputed institution.
ii	Desirable Qualification	4-5 years experience in Microwave Theory, Antenna designing, HFSS modelling.
iii	Area of Work	a) Microwave/Millimeter wave NDE of CRMC solid rocket motors, electromagnetic theoretical modelling of composite structures and interpretation of complex microwave signals to detect subsurface delamination and disbands.

General Instructions:

- Candidates who have acquired the essential qualifications and awarded degree, before attending the interview are **only eligible to apply**.
- The upper age limit is maximum **28 years** for **JRF** and **35 years** for **RA**, as on the closing date of the advertisement. The upper age limit shall be relaxable to the candidates belonging to SC/ST is up to **5 years** and OBC is up to **3 years** as per Govt. Rules.
- Candidates who are **NOT** meeting the eligibility criteria, **MUST NOT** apply.
- Candidates working in Govt / Public Sector Undertaking / Autonomous Bodies should produce **No Objection Certificate (NOC)** at the time of interview, if called for the same.
- Candidates will be required to produce all the testimonials (certificates, marks memorandum, etc.) related to age, education and community certificate (if applicable) in original during verification and submit self-attested photocopies of the same along with copy of Aadhaar Card and two recent passport size photographs, if selected for the written test/interview, failing which the selection will get cancelled.
- The monthly stipend is **Rs. 37,000/- for JRF and Rs. 67,000/- for RA**. **Residential Accommodation will be provided**, in case of non-availability of accommodation, HRA will be paid as per admissible rules.
- JRF Fellowship will be initially awarded for a period of 02 (Two) years. Further this may be upgraded as Senior Research Fellowship (SRF) for a period of one year (3rd Year), based on performance. SRF may again be extended for a period of one more year (4th Year) based on performance.
- Research Associate (RA) post is for a fixed tenure of two years (without extension).
- The marks obtained in qualifying exam are to be mentioned in percentage. In case of CGPA, candidates are requested to convert the CGPA into percentage as per their university norms.
- Selection procedure:** After scrutinizing the marks, percentage and score, candidates short-listed based on merit shall be called for written test and/or interview. If written test is conducted, the short-listed candidates in the written test shall only be called for interview.

2).	For JRF: Post No. 02	6 Posts
i	Essential Qualification	First Class B.E/B.Tech (Mechanical/Aerospace) with valid GATE Score OR ME/M.Tech in Mechanical/Aerospace with first division both at Graduate and Post Graduate levels.
ii	Desirable Qualification	ME/M.Tech in Mechanical/Aerospace Ability to write scientific computing programs.
iii	Area of Work	a) Aerodynamics, CFD and Heat Transfer. b) Flight Mechanics. c) Fabrication of Structural Composite Structures, Fabrication of Radome and Thermal Composite Structures. d) Propulsion: Design, inspection and testing.
3).	For JRF: Post No. 03	1 Post
i	Essential Qualification	First Class BE / B.Tech (Material Science) with valid GATE Score OR ME / M.Tech in Material Science with first division both at Graduate and Post Graduate levels.
ii	Desirable Qualification	ME / M.Tech in relevant area.
iii	Area of Work	a) Bonding of Carbon / Carbon Composites. b) Development of process technology to develop C/C composite products through Chemical Vapour Infiltration.
4).	For JRF: Post No. 04	1 Post
i	Essential Qualification	First Class BE / B.Tech (CSE) with valid GATE Score. OR ME / M.Tech in Computer Science with first division both at Graduate and Post Graduate levels.
ii	Desirable Qualification	ME / M.Tech in relevant area.
iii	Area of Work	a) Natural Language Processing & Voice based command assistive system in Launch Control System.

8. Research Associate (RA) post is for a fixed tenure of two years (without extension).

9. The marks obtained in qualifying exam are to be mentioned in percentage. In case of CGPA, candidates are requested to convert the CGPA into percentage as per their university norms.

10. Selection procedure: After scrutinizing the marks, percentage and score, candidates short-listed based on merit shall be called for written test and/or interview. If written test is conducted, the short-listed candidates in the written test shall only be called for interview.

11. Candidates should make their own necessary arrangement to stay for one or two days, while attending the written test, in case they are selected for interview.

12. No TA/DA will be paid for attending the written test/interview or for joining (if selected).

13. Since fellowship is not employment, the offer of fellowship does not under any circumstances confer on the candidates any right for absorption in DRDO.

14. The period of service rendered as research fellow will not be counted in any post of DRDO/ other government departments.

15. Admission shall not be claimed by any candidate as a matter of right. The admission shall be entirely at the discretion of the Selection Committee of the Laboratory which may refuse to admit any candidate without assigning any reason thereof.

16. Number of vacancies may vary without prior notice.

17. Interested candidates are requested to apply by post. Neatly printed application with complete bio-data (along with e-mail id, Mobile Number and valid GATE Score) should reach Director, Advanced Systems Laboratory, Dr. A.P.J. Abdul Kalam Missile Complex, Kanchanbagh P.O., Hyderabad - 500058 within 21 days of the date of publication of this advertisement. Affix a recent passport size photograph on the right top corner of the first page of application and also clearly indicate the post no. applied for. The name and serial number of the post must be mentioned clearly on the envelope.

18. Last date for the receipt of application: 21 days from publication of the advertisement in Employment News.

19. The Director ASL, Hyderabad reserves the right to amend/modify/cancel this advertisement and also to cancel the admission/selection at any time without assigning any reason thereof.

20. Medical facilities, for self only, available in DRDO will be extended through MI Room.

21. Award of fellowship shall not be claimed by any candidate as a matter of right. It shall be entirely at the discretion of the Selection Committee of the laboratory, which may refuse to admit any candidate without assigning any reason thereof.

**Director
ASL, Hyderabad**

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