

**CENTRE FOR HIGH ENERGY SYSTEMS AND SCIENCES**  
**(CHESS, DRDO, MINISTRY OF DEFENCE)**

No. CHESS/75/75500/RA&JRF/Advt-12/2021

**ADVERTISEMENT FOR THE AWARD OF DRDO RESEARCH ASSOCIATE**  
**(RA) AND JUNIOR RESEARCH FELLOWSHIP (JRF)**

Centre for High Energy Systems & Sciences (CHESS), Defence Research and Development Organisation (DRDO), Hyderabad invites applications from young and meritorious Indian nationals, who desire to pursue defence related research as Research Associate and Junior Research Fellows. Candidates possessing requisite qualifications may apply for Research Associates and Junior Research Fellowships against positions vacant at this Laboratory, in the subject/disciplines as detailed below: -

**Award of Reseach Fellowship will be made on the basis of Online-interview (through Video Conferencing):**

Post Code	Type of Fellowship	No. of Fellowships	Subject / Discipline	Educational qualifications
1	RA	One*	Physics/ Applied Physics/ Applied Optics/Laser Technology, Laser, Adaptive Optics, Opto-Electronics /Photonics	Ph.D or equivalent degree (in Engineering or Science) in the area of Customized Optical System Design/ Atmospheric turbulence correction/ adaptive optics.  <b>OR</b> Having 3 years of research, teaching or design and development experience after ME / M.Tech (ECE/EEE/Applied Physics/ Control system) with at least one publication in Science Citation Index (SCI) Journal.  <b>Desirable:</b> Experience in <b>adaptive optics / related areas.</b> <b>Note:</b> Candidate with having knowledge in programming language <b>MATLAB, LabVIEW, Python etc. along desired skills will be given preference</b>

2	RA	One*	Physics /Applied Physics/ Applied optics/ Laser technology/Laser / Optoelectronics	<p>Ph.D or equivalent degree (in Engineering or Science) in areas related to Opto-electronics / Photonics / Optical Design / Optical Instrumentation / Adaptive Optics / Laser / Ultrashort Laser Beam Propagation</p> <p><b>OR</b></p> <p>Having 3 years of research, teaching or design and development experience in areas related to Opto-electronics / Photonics / Optical Design / Optical Instrumentation / Adaptive Optics/ Laser / Ultrashort Laser Beam Propagation after ME / M.Tech (ECE/EEE/Laser Technology /Applied Physics/ Applied Optics) with at least one publication in Science Citation Index (SCI) Journal.</p> <p><b>Desirable:</b> Candidates must have experience in handling &amp; alignment of laser systems, optical instruments, optics, opto-mechanical system etc.</p> <p><b>Note: Candidate with having knowledge in programing language MATLAB, LabVIEW, Python etc. along desired skills will be given preference</b></p>
3	JRF	Five*	Physics/Applied Physics/ Applied Optics/Laser Technology, Laser, Adaptive Optics, Opto-Electronics /Photonics	<p>Post Graduate Degree (in Science) in relevant subject in first division with NET</p> <p><b>OR</b></p> <p>Post Graduate Degree in Professional Course (M.E/ M. Tech in relevant subject with first division at both Graduate and post Graduate Level)</p>
4	JRF	One*	Mechanical Engineering	<p>Graduate Degree in Professional Course (B.E / B.Tech in first division with NET/ GATE</p> <p><b>OR</b></p> <p>Post Graduate Degree in Professional Course (M.E/M.Tech in first division at both Graduate and Post Graduate Level</p>

\* Vacancies are tentative & may vary.

# A waiting list will be prepared against each discipline (subject wise) and vacancies that arises within one year will be filled from waiting list.

### **GUIDELINES:**

- 1) **Upper Age Limit:** 35 years for RA & 28 years for JRF as on closing date of application. Upper age limit is relaxable to candidates belonging to Scheduled Castes, Scheduled Tribes and OBC as per government of India orders.
- 2) **Stipend (monthly) and tenure (RA):** Stipend for RA Rs. 54,000/- per month (HRA as admissible as per rule) for a maximum period of two years only (**No extension** is in respect of RA).
- 3) **Stipend (monthly) and tenure (JRF):** Stipend for JRF Rs. 31,000/- per month (HRA as admissible as per rule) for a maximum period of two years (extendable as per rules for JRF, subject to satisfactory performance to be assessed by a committee).
- 4) Qualification for the above post will be determined as on closing date of application.
- 5) **How to apply:** Candidates should download form from 'What's New' column and fill the Application Form in the prescribed format (available on the website [www.drdo.gov.in](http://www.drdo.gov.in)). The signed Application Form along with certificate in support of minimum educational qualification, matriculation certificate/birth certificate in support of date of birth, **GATE/NET Score card** (if applicable), valid as on closing date of application, NOC (Wherever applicable) & caste certificate (if applicable) should be **scanned in a single PDF file and emailed** to [hrd@chess.drdo.in](mailto:hrd@chess.drdo.in) and cc to [hrd.chess@gov.in](mailto:hrd.chess@gov.in) before the closing date. The last date for receipt of duly filled application through email shall be **21 days** after publication of this advertisement in Employment News/Rozgar Samachar. CHESS, Hyderabad shall not be responsible for non-receipt of application/ incomplete application. Incomplete/partially filled applications are liable to be rejected.

### **GENERAL INSTRUCTIONS:**

- 1) Candidates who are not meeting the above mentioned qualifications need not to apply.
- 2) Research Fellowship (RA & JRF) shall be governed as per the policy and rules in vogue in DRDO, MoD, Gol.
- 3) Antecedents of selected candidates will be verified at the time of joining. Since documents verification process cannot be followed in the online interviews. All shortlisting, award of RA / JRF positions etc. would be provisional subject to verification of all relevant original documents. In case of any deficiency of any type in the documents, the candidates would automatically stand cancelled any time on finding such a deficiency.
- 4) Candidates working in Govt./Public sector undertaking/Autonomous Bodies should possess '**No Objection Certificate**'. If RA / JRF awarded, such

candidates shall be required to submit relieving order from their employer before joining.

- 5) Screening of the applications will be carried out and only the shortlisted candidates will have interviewed through web based video conference over internet, the date and time of an online interview will be intimated beforehand the URL link via email. Therefore, the candidates should possess an active email ID and check the same periodically till the for award & fellowship process is completed. Only candidates shortlisted will receive communication for interview.
- 6) Canvassing in any form will result in disqualification of candidature.
- 7) Candidates shall ensure the Internet Connectivity, Web Cam & necessary software's at their level to attend the online interview (through Video Conferencing). CHESS, Hyderabad shall not be responsible for any connectivity failure or communication faults in the online interview.
- 8) Candidates will have to mention the position and subject for which he/she appears/applied.
- 9) Offer of fellowship shall not be claimed by any candidate as a matter of right. The award of Research Fellowship shall be entirely at the discretion of the Laboratory. if suitable candidates are not available, the lab will not offer any Research fellowship cany candidate without assigning any reason thereof.
- 10) Candidate will have to write to subject in e-mail: **"Application for JRF (subject) or RA (subject) as applicable"**
- 11) Number of posts may be increase or decrease without prior notice.
- 12) **No TA/DA will be paid for joining, if selected.**
- 13) **It may be noted that offer of fellowship does not confer on fellows any right of absorption in DRDO.**  
**\* for RA position, candidate who have submitted thesis may also apply. Such candidate will have to produce Ph.D certificate at the time of interview.**

Director  
Directorate of Management Services