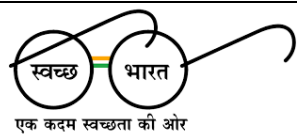




# DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION (DRDO) RECRUITMENT & ASSESSMENT CENTRE (RAC)



Lucknow Road, Timarpur, Delhi – 110054

ISO 9001 Certified  
Advt. No. 130

**DIRECT RECRUITMENT FOR SCIENTIST 'B' IN DRDO AND SCIENTIST/ENGINEER 'B' IN ADA**

Closing date: 21 days from the date of publication of advertisement in the Employment News

RAC Website: <https://rac.gov.in>

**ONLINE APPLICATION IS MANDATORY**

DRDO Website: <https://drdo.gov.in>

RAC invites online applications through RAC website <https://rac.gov.in> for recruitment to the posts of Scientist 'B' in DRDO and Scientist/Engineer 'B' in Aeronautical Development Agency (ADA) in Level-10 (7<sup>th</sup> CPC) of the Pay Matrix (₹ 56,100/-) in specified disciplines and categories. Total emoluments at the time of joining will be approximately ₹80,000/- p.m. at the present metro city rate.

**DRDO, India's premier Defence R&D organization employs bright, qualified and competent scientists in Group 'A' (Gazetted) technical service known as Defence Research & Development Service (DRDS) and offers exciting and challenging career opportunities in broad spectrum of technologies at its laboratories/establishments (more than 50) located across the country. For further information about DRDO, please visit DRDO website <https://drdo.gov.in>**

ADA is an autonomous body under Ministry of Defence, Government of India entrusted with the design & development of Air Force and Naval versions of the Light Combat Aircraft (LCA). ADA provides challenging career opportunities and excellent working environment. For further information about ADA, please visit ADA website <https://ada.gov.in>

**Details of Subject-wise category-wise vacancies for DRDO and for ADA (marked with #)**

		Part I - Screening based on valid score of GATE 2015/ 2016/2017							
Item No.	Subject/ Discipline	No. of Vacancies					Essential Qualification	Corresponding GATE <sup>@</sup> Paper (Code)	Equivalent acceptable subjects of Qualifying Degree
		UR	OBC	SC	ST	Total			
1	Electronics & Comm. Engg/ Electronics Engg	7+2 <sup>#</sup>	3+2 <sup>#</sup>	1+1 <sup>#</sup>	1	12+5 <sup>#</sup>	At least First Class Bachelor's Degree in Engineering or Technology in Electronics & Communication Engg from a recognized university or equivalent.	Electronics & Communication Engg (EC)	<ol style="list-style-type: none"> <li>1. Electronics &amp; Communication Engg</li> <li>2. Electronics Engg</li> <li>3. Electronics &amp; Computer Engg</li> <li>4. Electronics &amp; Control Engg.</li> <li>5. Electronics &amp; Communication System Engg</li> <li>6. Electronics &amp; Instrumentation Engg</li> <li>7. Electronics &amp; Tele- Communication Engg</li> <li>8. Electronics &amp; Telematics Engg</li> <li>9. Industrial Electronics Engg</li> <li>10. Tele Communication Engg</li> <li>11. Telecommunication &amp; Information Tech</li> <li>12. Applied Electronics &amp; Instrumentation Engg</li> <li>13. Electronics &amp; Electrical Communication Engg</li> <li>14. Electrical with Communication Engg</li> </ol>
2	Mechanical Engg	3+1 <sup>#</sup>	3+2 <sup>#</sup>	2+2 <sup>#</sup>	1	9+5 <sup>#</sup>	At least First Class Bachelor's Degree in Engineering or Technology in Mechanical Engg from a recognized university or equivalent.	Mechanical Engineering (ME)	<ol style="list-style-type: none"> <li>1. Mechanical Engg</li> <li>2. Mechtronics Engg</li> <li>3. Mechanical &amp; Automation Engg</li> <li>4. Mechanical &amp; Production Engg</li> </ol>
3	Computer Science & Engg <sup>*</sup>	6	2	1	-	9	At least First Class Bachelor's Degree in Engineering or Technology in Computer Science & Engg from a recognized university or equivalent.	Computer Science & Information Technology (CS)	<ol style="list-style-type: none"> <li>1. Computer Science &amp; Engineering</li> <li>2. Computer Science /App Engg./Tech.</li> <li>3. Computer Science/Engg. &amp; Info Tech</li> <li>4. Computer Science &amp; System Engg.</li> <li>5. Computer Software Engg</li> <li>6. Computer Science &amp; Automation Engg</li> <li>7. Computer Technology</li> <li>8. Computer Technology &amp; Informatics Engg</li> <li>9. Computer Technology &amp; Information Engg</li> <li>10. Information Science/ Technology Engg</li> <li>11. Information Technology Engg</li> <li>12. Computer &amp; Communication Engg</li> <li>13. Computer Networking</li> <li>14. Software Engg</li> </ol>
4	Electrical Engg/ Electrical & Electronics Engg	2	2	1	1	6	At least First Class Bachelor's Degree in Engineering or Technology in Electrical Engg from a recognized university or equivalent.	Electrical Engg (EE)	<ol style="list-style-type: none"> <li>1. Electrical Engg</li> <li>2. Electrical Power System Engg</li> <li>3. Electrical &amp; Electronics Engg</li> <li>4. Electrical &amp; Renewable Energy Engg</li> <li>5. Power Engg</li> <li>6. Power Electronics Engg</li> <li>7. Electronics &amp; Electrical Communications Engg</li> <li>8. Electrical with Communication Engg</li> </ol>
5	Aeronautical Engg/ Aerospace Engg	2	-	-	1 <sup>#</sup>	2+1 <sup>#</sup>	At least First Class Bachelor's Degree in Engineering or Technology in Aeronautical Engg from a recognized university or equivalent.	Aerospace Engineering (AE)	<ol style="list-style-type: none"> <li>1. Aeronautical Engg</li> <li>2. Aerospace Engg</li> <li>3. Avionics Engg</li> </ol>
6	Chemical Engg	-	1	1	-	2	At least First Class Bachelor's Degree in Engineering or Technology in Chemical Engg from a recognized university or equivalent.	Chemical Engineering (CH)	<ol style="list-style-type: none"> <li>1. Chemical Engg</li> <li>2. Chemical Technology</li> <li>3. Chemical Plant Engg</li> <li>4. Applied Chemical &amp; Polymer Technology</li> <li>5. Polymer Science &amp; Chemical Technology</li> <li>6. Chemical Science &amp; Technology</li> </ol>
7	Instrumentation Engg <sup>*</sup>	2	-	-	-	2	At least First Class Bachelor's Degree in Engineering or Technology in Instrumentation Engg from a recognized university or equivalent.	Instrumentation Engineering (IN)	<ol style="list-style-type: none"> <li>1. Instrumentation Engg</li> <li>2. Instrumentation &amp; Control Engg</li> <li>3. Electronics &amp; Instrumentation Engg</li> <li>4. Electronic Instrumentation &amp; Control Engg</li> <li>5. Applied Electronics and Instrumentation Engg</li> <li>6. Electrical and Instrumentation Engg</li> <li>7. Electrical Instrumentation &amp; Control Engg</li> </ol>

									8. Power Electronics & Instrumentation Engg 9. Electronics Communication & Instrumentation Engg
8	Mathematics*	2	2	-	-	4	At least First Class Master's Degree in Mathematics from a recognised university or equivalent.	Mathematics (MA)	1. Mathematics 2. Applied Mathematics 3. Mathematics & Computing 4. Industrial Mathematics 5. Industrial Mathematics & Computer Applications 6. Industrial Mathematics & Informatics
9	Physics*	1	1	1	1	4	At least First Class Master's Degree in Physics from a recognised university or equivalent.	Physics (PH)	1. Physics 2. Physics (Electronics) 3. Applied Physics 4. Solid State Physics 5. Astrophysics 6. Computational Physics 7. Space Physics 8. Engineering Physics 9. Nuclear Physics
10	Chemistry*	2	-	-	-	2	At least First Class Master's Degree in Chemistry from a recognised university or equivalent.	Chemistry (CY)	1. Chemistry 2. Organic Chemistry 3. Inorganic Chemistry 4. Analytical Chemistry 5. Physical Chemistry
11	Geology*	1	-	-	-	1	At least First Class Master's Degree in Geology from a recognised university or equivalent.	Geology (GG)	1. Geology 2. Applied Geology 3. Geo-informatics 4. Geology and mineralogy 5. Earth Science 6. Geophysics 7. Applied Geophysics
<b>Part II - Screening based on percentage of marks in the Essential Qualification in order of merit/ separate written test</b>									
Item No.	Subject/ Discipline	No. of Vacancies					Essential Qualification	Equivalent acceptable subjects of Qualifying Degree	
		UR	OBC	SC	ST	Total			
12	Automobile Engg	-	1	-	-	1	At least First Class Bachelor's Degree in Engineering or Technology in 'Automobile Engg' from a recognized university or equivalent.	1. Automobile Engg 2. Automotive Engg 3. Automotive Design Engg	
13	Ceramic Engg*	-	-	1	-	1	At least First Class Bachelor's Degree in Engineering or Technology in 'Ceramic Engg' from a recognized university or equivalent.	1. Ceramic Engg 2. Ceramic Technology 3. Ceramics & Cement Technology	
14	Material Science*	2	-	-	-	2	At least First Class Master's Degree in 'Material Science' from a recognised University or equivalent.	1. Material Science 2. Material Science & Nano Technology	
15	Polymer Science*	1	1	-	-	2	At least First Class Master's Degree in 'Polymer Science' from a recognised university or equivalent.	1. Polymer Science	
16	Atmospheric Science*	-	-	-	1	1	At least First Class Master's Degree in 'Atmospheric Science' from a recognised university or equivalent.	1. Atmospheric Science 2. Meteorology 3. Climate Science and Policy 4. Atmosphere and Ocean Science 5. Climatology	
17	Physical Oceanography*	-	-	1	-	1	At least First Class Master's Degree in 'Physical Oceanography' from a recognised university or equivalent.	1. Physical Oceanography 2. Oceanography	
18	Psychology*	2	2	-	-	4	At least First Class Master's Degree in Psychology from a recognized university or equivalent.	1. Psychology 2. Applied Psychology 3. Clinical Psychology 4. Counselling / Counselling and Guidance Psychology 5. Health Psychology 6. Military Psychology 7. Cognitive Psychology 8. Psychology (Organizational Behaviour) 9. Physiological Psychology 10. Abnormal Psychology 11. Social Psychology 12. Educational Psychology 13. Industrial Psychology 14. Any combination of above listed subjects of Item No. 18	
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<b>TOTAL</b>						<b>65+11<sup>#</sup></b>			

@ GATE: Graduate Aptitude Test in Engineering

(\*) marked Subjects/Disciplines are those in which Persons with Disabilities (PwD) - Hearing Handicapped (HH) can apply.

(#) vacancies marked for ADA.

**DESIRABLE:** Knowledge of German/ French/ Russian/ Japanese/ Chinese language.

**Note:-**

(i) In case a particular institute does not have any criteria for First Class or equivalence, 60% marks will be taken as equivalent to first class for that institute. In such cases, where conversion formula is not available, CGPA/CPI of 6.75 (for a 10 point scale) will be taken as equivalent to 60% as per AICTE guidelines.

(ii) One out of total vacancies are reserved for PWD category Hearing Handicapped (HH) in the (\*) marked Subjects/Disciplines.

**I. AGE LIMIT FOR CANDIDATES (as on closing date of advertisement)**

Category	DRDO	ADA
(i) Un Reserved (UR)	Not exceeding 28 years	Not exceeding 30 years
(ii) OBC (Non-creamy layer)	Not exceeding 31 years	Not exceeding 33 years
(iii) SC/ST	Not exceeding 33 years	Not exceeding 35 years

(iv) Relaxation in upper age limit (As per Govt rules) :

(a) Upto 10 years for PwD candidates in identified (\*) marked disciplines. **PwD candidates are not eligible to apply for vacancies in other subjects/disciplines.**

(b) The upper age limit is relaxable upto 5 years for serving Central Civilian Govt. employees working in posts which are in the same line or allied cadres and where a relationship could be established that the service already rendered in a particular post will be useful for the efficient discharge of the duties of the advertised posts.

(c) The upper age limit is relaxable for Ex-servicemen including Ex SSCOs/ECOs as per rules in vogue.

**II. NATIONALITY**

Only Indian Nationals need apply.



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**III. How to Apply: Online registration on RAC website (<https://rac.gov.in>) is mandatory.**

- Candidates are required to submit their application online alongwith legible and lighter file(s) containing scanned copies of certificates for essential and higher educational qualification alongwith percentage of marks (duly supported by the mark-sheets), experience claimed, if any, in the column pertaining to employment history of online application, a recent passport size colour photograph (size not exceeding 30 KB; resolution of 110 x 140 pixels) and the details of required application fee through RAC website. The maximum file size of each attachment should not exceed 500 KB and it must be legible when a printout is taken.
- Candidates are required to indicate their preferences for DRDO and/or ADA while applying in the (#) marked Subjects/Disciplines.
- All candidates, whether in Govt. service or in Govt. owned organisations, should also submit their applications online directly to the Recruitment and Assessment Centre (RAC) and such candidates are required to upload a signed declaration (as per the proforma available at RAC website) that they have informed their Cadre Controlling Authority (CCA) in writing, that they have applied for the post in DRDO/ADA. However, such candidates, if in regular service whether in permanent or temporary capacity, will be required to produce a "No Objection Certificate" (NOC) from their CCA as per the proforma available at RAC website at the time of interview, in addition to the aforesaid declaration. If CCA considers withholding the NOC, the candidate should inform RAC within 30 days of the closing date.
- Candidates are advised to retain a copy of the online recruitment application (pdf format) alongwith Acknowledgement Slip generated after locking of online application form.
- Only locked/ finalised applications shall be considered.**

**IV. SELF ATTESTED COPIES OF DOCUMENTS TO BE ATTACHED ONLINE**

- Certificates/testimonials regarding qualifications alongwith mark-sheets, caste, ex-servicemen, employment etc. The maximum file size of each attachment should not exceed 500KB and it must be legible when a print out is taken. For that, the applicant may scan the certificates/testimonials in 200 dpi grey scale.
- Valid GATE score card (GATE 2015/2016/2017). *(Only for Subject/Disciplines in Part I)*
- The candidates, whether in Govt Service or in Govt owned organisations, should upload a signed declaration (as per the proforma available at RAC website) that they have informed their Cadre Controlling Authority (CCA) in writing that they have applied for the post of Scientist 'B' in DRDO/ Scientist/Engineer 'B' in ADA.

**V. APPLICATION FEE & MODE OF PAYMENT**

General and OBC (Male) candidates are required to pay a non-refundable non-transferable application fee of ₹ 100/- (Rs. One Hundred only) payable online only. **There is no application fee for SC/ST /PwD and women candidates.**

**VI. SCREENING/ SHORTLISTING****i) For Subjects/ Disciplines in Part I**

Eligible candidates will be shortlisted for further selection process on the basis of valid GATE score of GATE 2015/2016/2017, in the ratio of 1:5 subject to their availability in order of the discipline wise category wise merit list.

The GATE paper and the subject of qualifying degree must be related to the Subject/Disciplines against which the candidate is applying.

**ii) For Subjects/ Disciplines in Part II**

Eligible candidates will be shortlisted for further selection process on the basis of percentage of marks obtained in the Essential Qualification, in order of merit/separate written test. In case, a written test is conducted, then all the criteria as applicable to Part-I (except GATE score) will be followed, both for shortlisting and selection. Else, Upto 12 candidates for one vacancy and 24 candidates for 2-3 vacancies, subject to their availability, will be shortlisted for further selection process. The decision regarding shortlisting criteria (percentage/ written test) will be based on the number of applications received for those posts.

iii) Information regarding the shortlisted candidates will be made available at RAC website.

**VII. SELECTION PROCESS**

- The shortlisted candidates will be required to appear in the personal interview to be held at Delhi or any other place as decided by RAC/ DRDO. **Shortlisted candidates shall be able to download their interview call letter along with date/venue of personal interview and other relevant documents through the candidate login** obtained after successful Registration
- Candidates serving in Govt or in Govt owned organisations will be required to produce "NOC" from their respective Department/Employer at the time of interview failing which candidate will not be allowed to appear for the interview.
- Selection Criteria**
  - For Subjects/ Disciplines in Part I**  
The final selection of the candidates will be purely on the basis of discipline wise category wise merit of aggregate of 80% weightage of GATE score and 20% weightage of marks in personal interview.  
**For consideration for selection, a candidate appearing in Personal Interview need to secure minimum qualifying marks of 70% for General candidates and 60% for OBC/SC/ST/PwD candidates.**
  - For Subjects/ Disciplines in Part II**  
In case, a written test is conducted, then all the criteria as applicable to Part-I (except GATE score) will be followed for selection i.e. on the basis of merit arrived at by aggregate of 80% weightage of written test and 20% weightage in personal interview marks. Else, the final selection will be made on the basis of discipline-wise and category-wise merit of marks awarded in the personal interview.  
**For consideration for selection, a candidate appearing in the Personal Interview need to secure minimum qualifying marks of 70% for General candidates and 60% for OBC/SC/ST/PwD candidates.**
- In addition to the above, any other selection tool/test may be administered, at the sole discretion of the RAC.
- The offer of appointment to the selected candidates will be restricted to the number of vacancies in order of merit. The appointment, however, will be subject to satisfying conditions like qualifying the Medical examination prescribed for Group 'A' Technical posts of Govt. of India with Field Service liability and verification of character antecedents besides verification of SC/ST/OBC/PwD (HH) certificate etc, wherever applicable.
- Final result (customised for individual candidate) will be made available at RAC website (<https://rac.gov.in>).

**VIII. TRAINING**

All selected Scientists 'B' for DRDO may be required to initially undergo a full time Post Induction Training at DIAT Pune/ ITM Mussoorie.

**IX. LIABILITY TO SERVE**

As per the Central Government Rules, selected candidates will have the liability to serve anywhere in India including remote/ field area locations.

**X. IMPORTANT DATES :**

- Online application submission link is available at RAC website (<https://rac.gov.in>)
- Online submission closes on 21<sup>st</sup> day at 1700 Hrs (IST) from the date of publication of Advertisement in the Employment News.

Visit RAC website (<https://rac.gov.in>) for updates issued from time to time.



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#### **XI. GENERAL INSTRUCTIONS**

- i) Those applications which are not locked/ finalised by the candidates in accordance with the instructions will be automatically rejected by the computer system and no correspondence will be entertained in this regard. Therefore **candidates are advised to Submit/ Finalise the Application carefully and enclose all necessary documents as applicable.**
- ii) The applicants should ensure their eligibility in respect of age, essential qualifications etc.
- iii) Candidates fulfilling the eligibility conditions, desiring of applying for more than one item, must apply separately for each item.
- iv) No request with respect to the change in any data submitted by the candidates will be entertained once the application is Locked/ Finalised or the Closing Date of online submission is over.
- v) The OBC (Non-creamy Layer) candidates are required to submit requisite certificate in prescribed format of Government of India, from a competent authority. The certificate must have been issued on or after 01 Apr 2017 and must be valid through the Financial Year 2017-18.
- vi) The number of vacancies for any subject may vary.
- vii) Detailed guidelines for submission of online application are available on RAC website (<https://rac.gov.in>).
- viii) Translation ambiguity, if any, can be resolved to the English version of the advertisement published in the Employment News.

- ix) Dispute, if any, will be subject to the courts/ tribunals having jurisdiction over Delhi only.

#### **XII. CAUTION**

Misrepresentation or falsification of facts detected at any stage of the selection process or instances of misconduct/misbehaviour at any stage during selection process shall result in cancellation of candidature without any notice and no correspondence in this regard shall be entertained. Please note that RAC does not request for any payment at any stage of recruitment process except the application fee as mentioned at para V as applicable.

#### **XIII. IMPORTANT CONTACT DETAILS**

- (i) For all query related to online applying, please contact 011-23830599 email id: [pro@recruitment.drdo.in](mailto:pro@recruitment.drdo.in)
- (ii) For any other queries related to this advertisement, please contact 011-23812955 (Extn – 402), Email ID: [director@recruitment.drdo.in](mailto:director@recruitment.drdo.in) or [directrecruitment@recruitment.drdo.in](mailto:directrecruitment@recruitment.drdo.in) or [pro@recruitment.drdo.in](mailto:pro@recruitment.drdo.in) during working days (0900 Hrs to 1730 Hrs).