



Advt. No. 141

RECRUITMENT & ASSESSMENT CENTRE (RAC)

Lucknow Road, Timarpur, Delhi – 110054

DIRECT RECRUITMENT FOR THE POSTS OF SCIENTIST 'B' (37 vacancies)

Closing date: 28 days from the date of activation of online registration link at RAC website

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

ONLINE APPLICATION IS MANDATORY

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

Corrigendum/Addendum to RAC Advt. No. 141

Reference Advt. No. 141 published on the RAC website (<https://rac.gov.in>) on 26th September 2022 and in the Employment News dated 08th October 2022, for recruitment to 17 posts of Scientist 'B' encadred in the Indian Armed Services, with the vacancy position given as the following table:

Table 1: Recruitment based on GATE or UGC's NET examination, a Subject Specific Examination (SSE), and Personal Interview.

Item No.	Subject/Discipline	No. of Vacancies					Total
		UR	EWS	OBC	SC	ST	
1	Psychology	7	2	4	3	1	17

Due to availability of **20 additional vacancies** in DRDO in **eight disciplines** of **Life Sciences**, the **entire** Advt. No. 141 (for 17 encadred posts) is hereby replaced with the following revised advertisement which gives the new consolidated vacancy position, eligibility criteria, overall requirements, terms & conditions and selection process for the posts (Encadred -17, DRDO-20). Subsequent to this corrigendum notification, only the revised Advt. No. 141 will be used for processing all applications against Advt. No. 141.

Revised Advt. No. 141

RAC invites online applications from post graduates in Science subjects (M.Sc), Psychology, and from graduate engineers in Bio-Medical Engg through RAC website <https://rac.gov.in> for recruitment to the posts of Scientist 'B' in Defence Research & Development Organization (DRDO) and to the encadred posts of Scientist 'B' in the Indian Armed Services in Level-10 (7th CPC) of the Pay Matrix (Rs.56,100/-) in specified disciplines and categories. Total emoluments (inclusive of HRA and all other allowances) at the time of joining will be approximately Rs.88,000/- 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 a 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>.

Table 1 given below shows discipline-wise details of vacancies and is divided into 2 parts – Part I (4 disciplines), Part-II (3 disciplines), and Part-III (1 discipline).

Table 1 (Part-I) : The recruitment in the disciplines mentioned below will be based on valid GATE score and Personal Interview.

Item No.	Subject/Discipline	No. of Vacancies						Details of corresponding Essential Qualification (EQ) & Graduate Aptitude Test in Engineering (GATE)	Equivalent acceptable subjects of Essential Qualification Degree
		UR	EWS	OBC	SC	ST	Total		
1	Biochemistry*	-	-	-	1	1	2	Essential Qualification[#]: At least First Class Master's Degree in Biochemistry from a recognised university or equivalent. GATE Qualification : Valid GATE score in Life Sciences [Paper code : XL] However, applicants from the Persons with Disabilities (PwD) category may apply even if they do not possess valid GATE score. Such applicants however, will be considered for the post(s) reserved for PwD category only. PwD candidates wishing to be considered for other posts (excluding the posts reserved for PwD), however, must possess valid GATE score.	1. Biochemistry
2	Food Technology*	-	1	1	-	-	2	Essential Qualification[#]: At least First Class Master's Degree in Food Science from a recognised university or equivalent. GATE Qualification : Valid GATE score in Life Sciences [Paper code : XL] However, applicants from the Persons with Disabilities (PwD) category may apply even if they do not possess valid GATE score. Such applicants however, will be considered for the post(s) reserved for PwD category only. PwD candidates wishing to be considered for other posts (excluding the posts reserved for PwD), however, must possess valid GATE score.	1. Food Science/Technology 2. Food Science & Technology
3	Micro Biology*	3	-	1	1	-	5	Essential Qualification[#]: At least First Class Master's Degree in Microbiology from a recognised university or equivalent. GATE Qualification : Valid GATE score in Life Sciences [Paper code : XL] However, applicants from the Persons with Disabilities (PwD) category may apply even if they do not possess valid GATE score. Such applicants however, will be considered for the post(s) reserved for PwD category only. PwD candidates wishing to be considered for other posts (excluding the posts reserved for PwD), however, must possess valid GATE score.	1. Microbiology

4	Bio-Medical Engg*	-	-	-	1	1	2	<p>Essential Qualification[#]: At least First Class Bachelor's Degree in Engineering or Technology in Biomedical Engg. from a recognized university or equivalent.</p> <p>GATE Qualification : Valid GATE score in Bio-medical Engineering [Paper code : BM]</p> <p>However, applicants from the Persons with Disabilities (PwD) category may apply even if they do not possess valid GATE score. Such applicants however, will be considered for the post(s) reserved for PwD category only. PwD candidates wishing to be considered for other posts (excluding the posts reserved for PwD), however, must possess valid GATE score.</p>	<ol style="list-style-type: none"> 1. Biomedical Engg 2. Biomedical Instrumentation Engg 3. Bio medical Tech/Science 4. Biomedical Genetics Engg
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Table 1 (Part-II) : The recruitment in the disciplines mentioned below will be based on a Subject Specific Examination (SSE) and/Or Personal Interview.

Item No.	Subject/ Discipline	No. of Vacancies						Total	Details of corresponding Essential Qualification (EQ) & Graduate Aptitude Test in Engineering (GATE)	Equivalent acceptable subjects of Essential Qualification Degree
		UR	EWS	OBC	SC	ST				
5	Physiology*	-	1	1	-	-	2	<p>Essential Qualification[#]: At least First Class Master's Degree in Physiology from a recognized University or equivalent.</p>	<ol style="list-style-type: none"> 1. Physiology 2. Human Physiology 3. Medical Physiology 	
6	Agriculture*	1	-	1	-	-	2	<p>Essential Qualification[#]: At least First Class Master's Degree in Agriculture from a recognized University or equivalent.</p>	<ol style="list-style-type: none"> 1. Agriculture (Agronomy) 2. Agriculture (Entomology) 3. Agriculture(Soil Science) / Soil Science 4. Agriculture(Soil Science & Agricultural Chemistry) 5. Agriculture (Crop Production) 6. Agriculture (Agricultural Chemicals) 7. Agriculture (Agro Forestry)/ Agro Forestry 	
7	Horticulture*	2	-	-	-	-	2	<p>Essential Qualification[#]: At least First Class Master's Degree in Horticulture from a recognized University or equivalent.</p>	<ol style="list-style-type: none"> 1. (Ag.) Horticulture / Horticulture 2. (Ag.) Horticulture (Fruit Science) / Horticulture (Fruit Science)/Pomology 3. (Ag.) Post Harvest Technology / Post Harvest Technology 4. (Ag.) Vegetable Science / Vegetable Science/Olericulture 5. (Ag.) Aromatic & Medicinal Plants / Aromatic & Medicinal Plants 	

Table 1 (Part-III) : The recruitment in the disciplines mentioned below will be based on GATE or UGC's NET examination, a Subject Specific Examination (SSE), and Personal Interview.

Item No.	Subject/ Discipline	No. of Vacancies						Total	Details of corresponding Essential Qualification (EQ) & Graduate Aptitude Test in Engineering (GATE)/ National Eligibility Test (NET)	Equivalent acceptable subjects of Essential Qualification Degree
		UR	EWS	OBC	SC	ST				
8	Psychology*	2 + 7 [@]	2 [@]	1 + 4 [@]	3 [@]	1 [@]	3 + 17 [@]	<p>Essential Qualification[#]: At least First Class Master's Degree in Psychology from a recognized university or equivalent.</p> <p>1. GATE Qualification: Valid GATE score in Psychology [Paper code : XH]</p> <p style="text-align: center;">Or</p> <p>2. NET Qualification : Qualified the NET exam for eligibility to Assistant Professorship in Psychology</p> <p>However, applicants from the Persons with Disabilities (PwD) category may apply even if they do not possess valid GATE score /NET qualification. Such applicants however, will be considered for the post(s) reserved for PwD category only. PwD candidates wishing to be considered for other posts (excluding the posts reserved for PwD), however, must possess valid GATE score/NET qualification.</p>	<ol style="list-style-type: none"> 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.8 	
TOTAL	DRDO	8	2	5	3	2	20			
	Encadred	7 [@]	2 [@]	4 [@]	3 [@]	1 [@]	17 [@]			

#: a) Candidates having their EQ degree from foreign universities should obtain equivalence certificate from 'Association of Indian Universities, Delhi' and submit the same on or before the closing date of receipt of applications.

b) In case a particular institute does not have any criteria for First Class or equivalent, 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.

*: a) One out of the 20 vacancies in DRDO are reserved for Persons with Disabilities (PwD) -Locomotor Disability (LD) category including Leprosy cured (OL, OA), Acid Attack Victims (AAV), Dwarfism (Dw), in the * marked disciplines.

b) Shortlisting of candidates for the vacancy for PwD(LD) category – whether in Part-I or Part-II or Part-III of Table 1 – will only be done through a Common Research Aptitude Test (CRAT). However, if a PwD candidate wants to compete against UR or her/his own category in disciplines in Part-I/Part-III of Table 1, then he should possess the GATE/NET qualification as applicable to Part-I/Part-III disciplines. Further, such candidates in Psychology (Part-III discipline) would also have to take the Subject Specific Examination (SSE), if shortlisted (Refer Para 5 below). Similarly, PwD candidates for Part-II vacancies will be required to undergo SSE of the respective subject if she/he wants to be considered against non PwD vacancies in UR category or their own category (Refer Para 5 below).

1. ELIGIBILITY FOR RECRUITMENT TO POSTS

1.1. ACADEMIC REQUIREMENTS

For Subjects/Disciplines in each part of Table 1			
Posts	Part-I	Part-II	Part-III
Not Reserved for PwD	Candidates should possess the requisite Essential Qualification (EQ) along with a valid GATE Qualification.	Candidates should possess the requisite Essential Qualification (EQ).	Category I: Candidates should possess the requisite Essential Qualification (EQ) along with a valid GATE Qualification. OR Category II: Candidates should possess the requisite Essential Qualification (EQ) along with NET Qualification.
Reserved for PwD	Candidates should possess the requisite Essential Qualification (EQ).		

Note: Refer Table 1 for discipline-specific requirements of EQ, GATE, and NET.

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

Category	Age not exceeding
i) Un Reserved (UR) /EWS	28 years
ii) OBC (Non-creamy layer)	31 years
iii) SC/ST	33 years

- iv) **Relaxation in upper age limit (As per Govt rules) :**
- Upto 10 years for Persons with Disabilities (PwD) candidates.
 - The upper age limit is relaxable up to 5 years for serving Central Civilian Govt. employees working in posts which are in the same line or allied cadres only if 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.
 - The upper age limit is relaxable for Ex-servicemen including Ex SSCOs/ECOs as per rules in vogue.

1.3. NATIONALITY

Only Indian Nationals need apply.

2. HOW TO APPLY

- Candidates are required to register online at the RAC website (<https://rac.gov.in>).
- On successful registration, the candidates may login before the closing date of the advertisement to fill the application form online. The candidates are required to upload the requisite certificates (See Para 3 for details), the details of the application fee payment (if not exempted) and lock the application before submission of the same.
- Applicants to the posts in Psychology are required to indicate their preferences for DRDO posts and/or "Armed Services Encadred" posts.
- All serving candidates (whether in permanent or temporary capacity) working in Government or in Government owned organizations (PSU/Joint venture, Government promoted societies and Government/Non-Government companies/Agencies/Entities where Government or Government promoted companies/Agencies/Entities have a combined controlling stake of 50% or more) **need to upload a signed declaration** as per format given on the web site that they have informed in writing to their Cadre Controlling Authority (CCA) that they have applied for the post in RAC, DRDO and in case of any objection, the employer may communicate with RAC (at email: directrec.rac@gov.in) directly within 15 days of the closing date of online registration. The candidates will be required to produce a copy of proof of their communication with their employer (intimation/acknowledgement) regarding their application for the post at the time of interview. **Candidates should note that in case a communication is received from their employer by RAC withholding permission to the candidates applying for the posts, their candidature will be liable for cancellation.**
- Candidates are advised to retain a copy of the online recruitment application (pdf format) after locking the online application form.
- Only locked/finalised applications in all respects shall be considered.**
- Points to be considered while filling Application form**
 - The GATE/NET paper and the subject of qualifying degree of the candidates must be as per the table provided (Table 1).
 - Candidates are advised to be careful while filling their GATE score/ percentage of marks in NET, as the short listing will be based on the same filled in the application form.
 - The scrutiny of application will only be done for those candidates who are above the cut off of GATE score/ cut-off of percentage of marks in NET, as per the norms of shortlisting specified in the advertisement. A wrongly filled GATE score or wrongly filled percentage of marks in NET may automatically result in candidate not getting shortlisted for scrutiny purposes also.

- RAC will be verifying the GATE and NET scores of the applicants, and if the verification requires any additional information at a later stage (apart from the information sought on the application form), the same will be asked from the candidate. Failing to furnish the required information when asked will make their candidature liable for cancellation.
- On verification, if it is found that the candidate's GATE score or NET percentage of marks (as filled by him/her) is false, then RAC reserves the right to initiate appropriate proceedings (including criminal proceeding) against the candidate.

3. DOCUMENTS TO BE UPLOADED ONLINE

- Self attested certificates/testimonials regarding Date of Birth (Matriculation /High School Certificate or Birth Certificate issued by appropriate local authority), Essential Qualification degree along with mark-sheets (both front and reverse side), Conversion Formula (CGPA/CPI to Percentage), Caste, Category, Disability, Ex-serviceman, Employment in Central Govt civilian posts, etc. The maximum file size of each attachment should not exceed 500KB and it must be legible when a printout is taken.
- Candidates are required to submit the relevant affidavit if there is any mismatch in the name of self or parents as mentioned in the application form with any of the certificates/documents being uploaded.
- A recent passport size colour photograph (size not exceeding 30 KB; resolution of 110 x 140 pixels).
- Scanned sample of candidate's signature.
- Valid GATE score card (Applicable only for Category I candidates in Psychology discipline, and for all candidates in Part-I disciplines).
- NET certificate and score card (Applicable only for Category II candidates in Psychology discipline).
- 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.

4. APPLICATION FEE & MODE OF PAYMENT

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

5. SCREENING/ SHORTLISTING

(i) For Subjects/Disciplines under Part-I :

Eligible candidates will be shortlisted for Personal interview on the basis of GATE score in the ratio of 1:5 subject to their availability in order of discipline-wise category-wise merit list.

(ii) For Subjects/Disciplines under Part-II :

(a) All eligible candidates will be called for a Subject Specific Examination (SSE). However, in case the number of applications are less than the required number as per shortlisting ratio 1:12 (for direct interview), the SSE would be forgone and all eligible candidates would be directly called for interview.

(b) Candidates who appear for the SSE will be further shortlisted for Personal Interview in the ratio of 1:5 subject to their availability in order of discipline-wise category-wise merit list prepared on the basis of the SSE only.

(iii) For Subjects/Disciplines under Part-III :

(a) **Category I:** Eligible candidates will be shortlisted for a Subject Specific Examination (SSE) on the basis of valid GATE score in the ratio of 1:25 subject to their availability in order of category-wise merit list.

AND

Category II: Eligible candidates will be shortlisted for a Subject Specific Examination (SSE) in Psychology on the basis of aggregate percentage of marks in the NET in the ratio of 1:25 subject to their availability in order of category-wise merit list.

This implies that the number of candidates shortlisted for SSE will be in the ratio of 1:50.

(b) Candidates who appear for the SSE will be further shortlisted for Personal Interview in the ratio of 1:5 subject to their availability in order of category-wise merit list prepared on the basis of the SSE only.

(iv) For Vacancy Reserved for PwD :

(a) All eligible PwD candidates will be called for a Common Research Aptitude Test (CRAT).

(b) PwD candidates who appear for CRAT will be further shortlisted for Personal Interview on the basis of the combined merit of Common Research Aptitude Test (CRAT) score across the * marked disciplines, in the ratio of 1: 5.

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

6. DETAILS OF COMMON RESEARCH APTITUDE TEST (CRAT)

- i) The Common Research Aptitude Test (CRAT) will be generic in nature, designed to assess the research and analytical abilities of candidates. The test paper will be of 300 marks and will consist of 150 Multiple Choice Questions (each question carrying 2 marks). There will be a deduction of 0.5 mark for a wrong answer and the total time limit would be two hours. The syllabus of the CRAT will be downloadable from RAC website. The examination will be administered in a computer based mode.
- ii) Tentatively, the CRAT will be conducted at Bengaluru, Chennai, Delhi, Hyderabad, Kanpur, Kolkata, and Pune centres, if the need arises. Candidates are required to indicate their first and second preference of examination centre in the online application from among the listed centres. However, RAC reserves the right to allot any centre as per its administrative convenience.
- iii) The CRAT is likely to be held in January/February 2023.

7. DETAILS OF SUBJECT SPECIFIC EXAMINATION

- i) The Subject Specific Examination (SSE) will be of two hours duration. The question paper will be of a total of 300 marks, and will consist of Multiple Choice Questions. The number of questions may vary from 100 to 150. There will be a deduction of 25% of the total marks for a wrong answer. The syllabus of the Descriptive Subject Specific Examination (downloadable from RAC website) is similar to the Civil Services examination (Main) in the relevant discipline conducted by the Union Public Service Commission (UPSC). The examination will be administered in a computer based mode.
- ii) Tentatively, the SSE will be conducted at Bengaluru, Chennai, Delhi, Hyderabad, Kanpur, Kolkata, and Pune centres as well as at other common centres, if the need arises. Candidates are required to indicate their first and second preference of examination centre in the online application from among the listed centres. However, RAC reserves the right to allot any centre as per its administrative convenience.
- iii) The SSE is likely to be held in January/February 2023.

8. SELECTION PROCESS

- i) The shortlisted candidates on the basis of the GATE scores (in Part-I disciplines) or SSE scores (in Part-II and Part-III disciplines) will be required to appear in the Personal Interview to be held at Delhi or any other place as decided by RAC/ DRDO.
- ii) 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 PwD/SC/ST/OBC/EWS certificate etc, wherever applicable.
- iii) Final result (customised for individual candidate) will be made available at RAC website (<https://rac.gov.in>).

9. SELECTION CRITERIA

- i) **For Subjects/Disciplines under 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.
- ii) **For Subjects/Disciplines under Part-II:**
In the case of SSE, the final selection of the candidates will be purely on the basis of discipline-wise category-wise merit of aggregate of 80% weightage of marks in the Subject Specific Examination (SSE) and 20% weightage of marks in Personal Interview.
- iii) **For Subjects/Disciplines under Part-III:**
The final selection of the candidates will be purely on the basis of category-wise merit of aggregate of 80% weightage of marks in the Subject Specific Examination (SSE) and 20% weightage of marks in Personal Interview.
- iv) The final selection of PwD candidates against the vacancy reserved for them will be on the basis of combined merit (across the * marked disciplines) of aggregate of 50% weightage of marks in the CRAT and 50% weightage of marks in Personal Interview.
- v) Only those candidates securing minimum qualifying marks of 70% (for UR category) and 60% (for PwD/EWS/OBC/SC/ST category) in the Personal Interview will be considered for preparation of final merit list. Candidates who do not qualify the interview will not be considered for final selection irrespective of their GATE/SSE score/CRAT score.
- vi) In the merit list for final selection for the posts in Psychology, candidates will be considered for selection against the vacancies in the organizations (DRDO/Armed Services Encadred) they opted for, in order of their preference. They will be accommodated against the vacancies of that organization where their selection is definite and will not be kept in any waitlist of their higher preferences.
- vii) In addition to the above, any other selection tool/test may be administered, at the sole discretion of RAC.

10. 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.

11. CLOSING DATE

Online submission closes on the 28th day of activation of online registration link on the RAC website, at 1700 Hrs (IST).

12. GENERAL INSTRUCTIONS

- i) Online application submission link is available at RAC website (<https://rac.gov.in>)
- ii) 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.**
- iii) The applicants should ensure their eligibility in respect of age, essential qualification etc.
- iv) No request with respect to the change in any data submitted by the candidates will be entertained once 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 2022 and must be valid through the Financial Year 2022-23.
- vi) The EWS candidates are required to submit requisite certificate (Income & Assets) in prescribed format of Government of India, from a competent authority. The certificate must have been issued on or after 01 Apr 2022 and must be valid through the Financial Year 2022-23.
- vii) Applicants are advised not to change their registered mobile number as vital information regarding their shortlisting/selection status will be intimated through SMS.
- viii) **Shortlisted candidates shall be able to download their admit card for the examination/call letter for interview respectively along with its venue, date & time after successful registration through RAC website. Intimation in this regard shall be sent as SMS on the registered mobile number of the candidate. Candidates may please note that the admit card for the examination/call letter for interview will not be sent by post/courier.**
- ix) Detailed guidelines for submission of online application are available on RAC website (<https://rac.gov.in>).
- x) Candidates are advised to keep visiting RAC website (<https://rac.gov.in>) for updates issued from time to time at least twice a week.
- xi) The number of vacancies may vary.
- xii) Translation ambiguity, if any, can be resolved to the English version of the advertisement published in the Employment News.
- xiii) Dispute, if any, will be subject to the courts/tribunals having jurisdiction over Delhi only.

13. 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 and debarment from future DRDO recruitment. 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 4, as applicable. Candidates may note that no such demand, if any, should be entertained and the matter may be brought to the notice of the Chairman, RAC by e-mail, chairman.rac@gov.in or by post to The Chairman, RAC, DRDO, Lucknow Road, Timarpur, Delhi-110054. The identity of the candidate will be kept confidential.

14. IMPORTANT CONTACT DETAILS

- i) For all queries related to applying online, please contact 011-23889528.
- ii) For any other queries related to this advertisement, please contact phone no. 011-23889526 or email at pro.recruitment@gov.in or directrec.rac@gov.in