

Advt. No. 106

**CLOSING DATE : 20 days from date of publication of Advt. in Employment News**

IN PURSUIT OF SELF-RELIANCE IN CRITICAL TECHNOLOGIES RELEVANT TO NATIONAL SECURITY, DRDO FORMULATES AND EXECUTES PROGRAMMES OF SCIENTIFIC RESEARCH, DESIGN, DEVELOPMENT, TESTING AND EVALUATION OF VARIOUS SYSTEMS, SUBSYSTEMS, DEVICES AND PRODUCTS REQUIRED FOR DEFENCE OF THE NATION. DRDO EMPLOYS HIGHLY QUALIFIED AND COMPETENT SCIENTISTS AND TECHNOLOGISTS IN GROUP 'A' (CLASS I) TECHNICAL SERVICE KNOWN AS DEFENCE RESEARCH & DEVELOPMENT SERVICES (DRDS).

**RAC INVITES APPLICATIONS FOR FOLLOWING POSTS IN DRDS UNDER DIRECT RECRUITMENT SCHEME INCLUDING VACANCIES TO BE FILLED UNDER SPECIAL RECRUITMENT DRIVE FOR ST**

**Scientist 'E' (Rs. 37,400-67,000/- & Grade Pay 8,700/-) – 2 Vacancies**

Item No	No of Vacancies	Lab	Subject/Discipline	Experience / Specialisation
1	01	NSTL, Visakhapatnam	Naval Architecture	Hydrodynamic research including the following : - (i) Study of hydrodynamics of marine vehicles (surface and submerged) through CFD analysis and model testing for hydrodynamic design of such vehicles. (ii) Conduct of full scale sea trials (powering, manoeuvring and seakeeping) of ships at sea for validation of model test predictions. (iii) Project management in an R&D establishment.
2	01	RCMA (Helicopters), Bangalore	Mechanical / Aeronautical Engineering	Dealing with various Mechanical systems and their integration on Helicopters. The candidates should have good knowledge on Powerplant and its Integration of Helicopters. Exposure to Airworthiness and Certification of Mechanical systems and their Integration on Helicopters.

**Scientist 'D' (Rs. 15,600-39,100/- & Grade Pay 7,600/-) – 1 Vacancy**

Item No	No of Vacancies	Lab	Subject/Discipline	Experience / Specialisation
3	01	RCI, Hyderabad	Mechanical Engineering	Quality Control and Quality Assurance of Aerospace systems/ subsystems, generation of quality documents for the systems/ sub systems and raw materials used for Aerospace systems, Performance evaluation, Qualification / Acceptance testing and Environmental testing of systems /sub systems of Aerospace systems. Knowledge of production drawings, national and international standards used for Aerospace systems. Experience in NDT/NDE is desirable.

**Scientist 'C' (Rs. 15,600-39,100/- & Grade Pay 6,600/-) – 8 Vacancies**

Item No	No of Vacancies	Lab	Subject/Discipline	Experience / Specialisation
4	01	ADE, Bangalore	Mathematics/ Computer Science / Electronics /Computer Science & Engg / Electronics & Communication Engg.	Computer vision and image processing.
5	01	ADE, Bangalore	Computer Science & Engineering	Review of software work products like Software development plan, Software requirement specification, Design documents, Code, Test plan, Test reports and release documents to ensure compliance to organizational as well as imposed standards.
6	01	R&DE(E), Pune	Mechanical Engineering	Design & analysis of sea based launching systems, Electrohydraulic systems & Finite element analysis. Knowledge of MATLAB, SIMULINK & SIMULATION X is desirable.
7	03	SAG, Delhi	Mathematics	Research experience in Algebra/ Number theory / Discrete mathematics. Knowledge of programming languages – C, C++, Work experience in the area of Cryptology.
8	02	SAG, Delhi	Computer Science & Engineering	Research experience in Network security/ Information security / Cryptology / Algorithm design & analysis / Parallel computing & Architecture / Data mining.

**Scientist 'B' (Rs. 15,600-39,100/- & Grade Pay 5,400/-) – 18 Vacancies (UR – 08, OBC – 04, SC – 02 and ST – 04)**

Item No	Subject/Discipline	No of Vacancies				Remarks
		UR#	OBC#	SC#	ST	
9	Chemistry	3	1	1	1*	*Vacancies to be filled under Special Recruitment Drive
10	Physics	2	2	1	1*	
11	Life Science	2	--	--	1*	
12	Maths	1	--	--	1*	
13	Material Science	--	1	--	--	
	<b>Total</b>	<b>08</b>	<b>04</b>	<b>02</b>	<b>04</b>	

# 1 vacancy of Scientist 'B' belonging to UR/OBC/SC category is reserved for Orthopedically Handicapped candidates.

**1. OTHER ESSENTIAL/DESIRABLE ELIGIBILITY CONDITIONS:**

**Essential** (i) At least first class Bachelor's Degree in Engineering or Technology/ Master's degree in the concerned science subjects/disciplines or Mathematics from a recognised university or equivalent with experience / specialisation as mentioned against each item.

(ii) At least 10 years Research or Design or Development or Production experience for Scientist 'E', 7 years for Scientist 'D' and 3 years for Scientist 'C' as mentioned against each item in the last column.

Weightage for higher qualification to be equated as research experience for lateral recruitment is as under –

- Post Graduate Degree in Engg – Two Years.
- Doctorate Degree in Engg. – Four Years.
- Doctorate Degree in Science. – Three Years.

**Desirable**

- Knowledge of Chinese, French, Russian, German or Japanese foreign language.
- (a) ME / M Tech in Naval Architecture or Naval Construction for Item No. 1  
(b) ME / M Tech in Mechanical / Aeronautical Engg for Item No. 2  
(c) ME / M Tech in Manufacturing Technology for Item No. 3  
(d) ME / M Tech in Computer Science / Ph D in Computer Vision / Image Processing for Item No. 4  
(e) ME / M Tech in Computer Science & Engineering for Item No. 5  
(f) ME / M Tech in Mechanical Engg for Item No. 6  
(g) Ph D in Mathematics with specialization in Algebra / Number Theory/Discrete Mathematics for Item No. 7  
(h) ME / M Tech in Computer Science & Engg for Item No. 8

**2. AGE LIMITS (as on closing date of advertisement):**

- (i) For Scientist 'B' : Not exceeding 28 years  
(ii) For Scientist 'C' : Not exceeding 35 years,  
(iii) For Scientist 'D' and Scientist 'E' : Not exceeding 45 years.
- The upper age limit as on Closing Date** (inclusive). The upper age limit as on closing date is relaxable upto 5 years for SC/ST, 3 years for Other Backward Communities (OBC) for the posts reserved for them as per orders of Central Govt. issued from time to time. Age is relaxed upto 5 years for Central Govt employees as per rules. Age is also relaxable for Armed Forces personnel/Ex-Servicemen and Short Service Commission Officers as per rules in vogue.
- In addition to above, the upper age limit is also relaxable by 5 years for persons with disability in respect of identified posts, whether the same are reserved for them or not.

3. The applicants should ensure that they **satisfy the eligibility criteria upto closing date of advertisement**. The required experience will be **counted after the essential qualifications are obtained**. The prescribed Essential Qualifications are bare minimum and mere possession of same does not entitle candidates to be called for interview. Where number of applications received in response to an advertisement is large, it will not be possible for RAC to interview all the candidates. RAC may restrict the number of candidates for interview to a reasonable limit. **The suitability of the applicants will be assessed on the basis of subject knowledge /aptitude for research and personal qualities / strength. Experience at suitable level / professional achievements / management skills will also be considered wherever applicable.** The candidates should, therefore, mention all qualifications /experience /achievements/ specialisation in relevant field including those over and above the minimum qualifications. After the interview, in accordance with the merit, the offer of appointment to the selected candidates will be restricted to the number of vacancies and minimum qualifying criteria. The appointment, however, will be subject to completion of formalities

like medical examination prescribed for Group 'A' technical posts of Government of India with field service liability and character verification besides verification of **SC/ST/OBC/PH Certificate**, if applicable.

**4. HOW TO APPLY**

Candidates are requested to **submit their applications online** alongwith the required fee at RAC website <http://rac.gov.in>. Besides, candidates are requested to download the filled application form and forward the signed copy of the same duly affixed with a coloured passport size photograph, **self attested photocopies** of certificates of educational qualification, experience, age, caste and disability etc to **Director, Recruitment & Assessment Centre, Lucknow Road, Timarpur, Delhi –110054, preferably by registered post, superscribed "Application for post of Scientist '.....', Advt No. 106, Item No. "\_\_\_" within 07 days (10 days for Andaman & Nicobar islands and Lakshadweep) of the online submission. Candidates are advised to retain one copy of submitted application with acknowledgement slip.**

- Application Fee Rs. 50/- (fifty) to be paid online.** No fee is applicable for SC/ST/PH/Woman candidates.
- Fare concession is being given by railways to unemployed youth in second class when travelling to attend interviews for jobs in Central Govt. Depts. To avail free railway tickets, the candidate is required to submit an attested copy of (i) call/interview letter (ii) a copy of application form to railway authorities. The candidates are advised to utilise this facility given by the railways, as no rail fare will be paid by this office, if the place is connected by rail.
- Only Indian nationals need to apply.
- Candidates will have to produce all original certificates for verification at the time of interview.
- Incomplete applications will be summarily rejected and no correspondence would be entertained in this regard.
- CANDIDATES WORKING IN GOVERNMENT/PUBLIC SECTOR UNDERTAKINGS, AUTONOMOUS ORGANISATIONS/ARMED FORCES (INCLUDING DEPARTMENTAL CANDIDATES) MUST APPLY THROUGH PROPER CHANNEL. THEY SHALL NOT BE INTERVIEWED IF THEY FAIL TO PRODUCE A "NO OBJECTION CERTIFICATE" AT THE TIME OF INTERVIEW.**
- Candidates desirous of applying for more than one vacancy must apply separately for each vacancy indicating Item No. of the advertisement accompanied by separate requisite fee.
- Selected candidates have the liability to serve anywhere in India.
- Number of vacancies are tentative and may vary.**
- CANVASSING IN ANY FORM WILL DISQUALIFY THE CANDIDATE**
- Our e-mail address: [dirrac@ndb.vsnl.net.in](mailto:dirrac@ndb.vsnl.net.in)
- CHECK LIST:**

**Please ensure that you have:**

- Downloaded the filled application form, signed and attached self -attested certificates (ref Para-4).
- Rightly indicated the item number, subject and the post applied for.
- Pasted recent coloured passport size photograph.
- Attached an Indian Postal Order of Rs. 50/- in the favour of **Director, RAC** (If fee not paid online) if you belong to UR/OBC Category(except woman) and retained a photocopy .
- Attached a requisite caste/disability certificate in case you belong to SC/ST/OBC/PH category.
- Attached a requisite NOC from the competent authority in case of serving Armed forces personnel and relieving certificate in case of retired Armed forces personnel.
- Applied through proper channel if already employed as stated in para-10.
- Kept the photocopy of online filled application form.

Visit RAC website <http://rac.gov.in>

For all queries related to recruitment of Scientists by RAC, please contact PRO Telefax No.: 011 23812608