MINISTRY OF DEFENCE
DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION (DRDO)
RECRUITMENT AND ASSESSMENT CENTRE (RAC)

Advt. No. 110   **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

Scientist 'G' (Rs. 37,400-67,000/- & Grade Pay 10,000/-) – 2 Vacancies

Item No.	No. of Vacancies	Lab./Estt.	Subject/Discipline	Qualification & Experience / Specialisation
1.	01	DRDO	Mechanical Engineering	**Qualification:** **Essential:** At least first class Bachelor's Degree in Mechanical Engineering from a recognized University or equivalent. **Desirable :** ME/M Tech Degree in relevant subject. **Experience / Specialisation** : Experience in the field of Quality, Reliability and Safety management of weapons and Armament Systems with involvement during development/production/induction and life cycle management. Knowledge of guided weapons is also desirable.
2.	01	DRDL, Hyderabad	Electrical/ Electronics Engineering	**Qualification:** **Essential:** At least First class Bachelor's Degree in Electrical/Electronics Engineering from a recognized University or equivalent. **Desirable :** M.E/M Tech in Electrical/Electronics Engineering. **Experience / Specialisation** : Experience in the field of design, development, operation and installation of electrical and electronic systems related to underwater launch systems.

For Job profile visit our web site http://rac.gov.in

Scientist 'E' (Rs. 37,400-67,000/- & Grade Pay 8,700/-) – 1 Vacancy

Item No.	No. of Vacancies	Lab./Estt.	Subject/Discipline	Qualification & Experience / Specialisation
3.	01	RCI (Programme AD), Hyderabad	Naval Arch/Marine/ Mechanical Engineering	**Qualification:** **Essential:** At least First class Bachelor's Degree in Naval Arch/Marine/Mechanical Engineering from a recognized University or equivalent. **Desirable :** M.E/M Tech in relevant subject. **Experience / Specialisation** : Experience in Ship Design, Production, Installation and Commissioning of Machinery, Review of Design Documents, Planning, Overseeing and Co-ordination during Construction of Ships (Experience of working in a shipyard or sailing is preferred). Knowledge of IMO/SOLAS/MARPOL/MMD/SPS Code regulations and classification society rules. Should have experience and knowledge in technical and financial capacity assessment of shipyards with respect to design and building capabilities.

For Job profile visit our web site http://rac.gov.in

Scientist 'D' (Rs. 15,600-39,100/- & Grade Pay 7,600/-) – 2 Vacancies

Item No.	No. of Vacancies	Lab./Estt.	Subject/Discipline	Qualification & Experience / Specialisation
4.	01	RCI, Hyderabad	Electronics & Communication Engineering/ Electronics & Instrumentation Engineering	**Qualification:** **Essential:** At least First class Bachelor's Degree in Electronics & Communication Engg./Electronics & Instrumentation Engg from a recognized University or equivalent. **Desirable :** M.E/M Tech in relevant subject. **Experience / Specialisation** : Experience in (i) Design of Embedded systems based on Intel Microprocessors/ Power PC processors, FPGA based design, Board design and PCB SI analysis. (ii) Diagnostic s/w and Test software development using 'C'/Assembly, bus protocol, Embedded s/w development tool using experience & efficient debugging skills.
5.	01	RCI, Hyderabad	Computer Science/ Computer Science & Engineering	**Qualification:** **Essential:** At least First class Master's degree in Computer Science or Bachelor's Degree in Computer Science & Engg. from a recognized University or equivalent. **Desirable :** Doctorate degree in relevant Science subject or M.E/M Tech in relevant Engineering subject. **Experience / Specialisation** : Experience in (i) Software Development for Telemetry Ground stations and Knowledge of Vehicle Telemetry Checkout and support. (ii) IRIG standard Format Development for Vehicle Telemetry and Design and Development of GUI for Vehicle Telemetry. (iii) Design and Development and implementation of cryptography for Telemetry Data Encryption and Decryption. (iv) Avionics communication protocols 1553B, ARINC and RS-422 Data processing. (v) Real-time Data processing and Display and Data extraction and analysis of data using MATLAB. (vi) Design and Development of Software in C, C++, VC++, C#. (vii) Networking Programming using TCP/IP, UDP/IP, Ethernet Socket Programming and Developing Dynamic Link libraries and class libraries. (viii) Working experience during aerospace missions at the test ranges. Knowledge of Telemetry Ground Stations is desirable.

For Job profile visit our web site http://rac.gov.in

Scientist 'C' (Rs. 15,600-39,100/- & Grade Pay 6,600/-) – 2 Vacancies

Item No.	No. of Vacancies	Lab./Estt.	Subject/Discipline	Qualification & Experience / Specialisation
6.	01	SSPL, Delhi/ SSPL Unit, Hyderabad	Physics with Electronics/ Electronics & Communication Engineering	**Qualification:** **Essential:** At least First class Master's degree in Physics with Electronics or Bachelor's Degree in Electronics & Communication Engineering from a recognized University or equivalent. **Desirable :** Doctorate degree in Physics or ME/M Tech in Electronics & Communication Engg. **Experience / Specialisation** : Experience in Microwave/ MMIC design, simulation/microwave measurements, testing and packaging.
7.	01	RCI, Hyderabad	Computer Science/ Computer Science & Engineering	**Qualification:** **Essential:** At least First class Master's degree in Computer Science or Bachelor's Degree in Computer Science & Engg. from a recognized University or equivalent. **Desirable :** Doctorate degree in relevant Science subject or M.E/M Tech in relevant Engineering subject. **Experience / Specialisation** : Experience in Automation of Inertial Navigation System Sensitivity Studies, Development of Navigation, Application, Calibration and Simulation Software for Navigation Systems. Experience in Design and Development of Test-Jig Software for Real-time Embedded Systems. Proficient to use MIL-1553, RS-422 and GPIB devices to communicate Navigation System with other Systems at higher frequencies. Expertise in C, C++, VC++, VDSP, LabVIEW, MATLAB and Shell Scripting.

1. OTHER ESSENTIAL/DESIRABLE ELIGIBILITY CONDITIONS:

Essential : At least 15 years Research or Design or Development or Production experience for Scientist 'G', 10 years 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.

2. Only Indian nationals need to apply.

3. AGE LIMITS (as on closing date of advertisement):
- (a) (i) For Scientist `C': not exceeding 35 years,
  - (ii) For Scientist `D' and Scientist 'E': Not exceeding 45 years.
  - (iii) For Scientist 'G' : Not exceeding 50 years.
- (b) **The upper age limit as on Closing Date** (inclusive). The upper age limit as on closing date is relaxable by 5 years for physically handicapped persons for posts except in the disciplines of Electrical/Electronics and Mechanical Engg. i.e Item No. 1,2 ,3,4 and 6 which are not found suitable for such persons. Age for all items is also relaxable upto 5 years for Central Govt employees as per rules. Age is relaxable for Ex-Servicemen including Ex SSC officers as per rules in vogue.

4. 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 fields including those over and above the minimum qualifications. After the interview, in accordance with the merit, the offer of appointment to the 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.

5. HOW TO APPLY

Candidates are required to **submit their applications online alongwith legible and lighter file containing scanned copies of certificates for essential Educational Qualification, Experience claimed, Document/certificate in support of last pay drawn, recent coloured passport size photograph** and the required fee through RAC website **http://rac.gov.in** . **Total size of all scanned documents to be attached must not exceed 2MB. In the event of any difficulty in sending the application online, the candidates may send their applications complete in all respects by registered post to Director, Recruitment & Assessment Centre (RAC), Lucknow Road, Timarpur, Delhi-110054. After submission of the online application/ applications by registered post, candidates working in Government/Public Sector Undertaking, Autonomous Organisations/Armed Forces (including Departmental candidates) must forward their applications through proper channel/accompanied with NOC to above mentioned address, so as to be received at RAC within 30 days of the closing date failing which their candidature for the post applied for shall not be considered. Candidates are advised to retain one copy of application with acknowledgement slip.**

6. Application Fee Rs. 50/- (fifty) to be paid online/by Indian Postal Order. No fee is applicable for SC/ST/PH/Woman candidates.

7. Fare concession is being given by railways to unemployed youth in second class when travelling to attend interviews for jobs in Central Govt. Deptts. 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.

8. Candidates will have to produce all original certificates for verification at the time of interview.

9. Application without scanned copies/photo copies of certificates for essential Educational Qualification and experience claimed and Document/certificate in support of last pay drawn and incomplete applications may be rejected. No correspondence would be entertained in this regard.

10. 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.

11. Selected candidates have the liability to serve anywhere in India.

12. Number of vacancies are tentative and may vary.

13. CANVASSING IN ANY FORM WILL DISQUALIFY THE CANDIDATE.

14. Our e-mail address: dirrac@ndb.vsnl.net.in, director@recruitment.drdo.in

15. CHECK LIST:
Please ensure that you have:
(a) Attached copies of the requisite certificates with application (ref Para-5). (b) Rightly indicated the item number, subject and the post applied for. (c) Attached recent coloured passport size photograph. (d) Paid requisite fee through online/IPO if you belong to UR/OBC Category(except woman). (e) Attached a requisite caste/disability certificate in case you belong to SC/ST/OBC/PH category. (f) 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. (g) Applied through proper channel if already employed as stated in para-5. (h) Kept the photocopy of 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 OR Telephone No. : 011- 23819720**
- **For all queries related to online submission please contact at Telefax No. 011-23830599**   davp 10301/11/0510/1213