

# MINISTRY OF DEFENCE

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

Advt. No. 112

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

## RAC INVITES APPLICATIONS FOR THE POSTS IN THE FOLLOWING CADRES OF DRDO UNDER DIRECT RECRUITMENT SCHEME

**D) DRDS CADRE (DEFENCE RESEARCH & DEVELOPMENT SERVICES)**

**Scientist 'G' ( ` 37,400-67,000/- & Grade Pay ` 10,000/-) – 1 Vacancy**

Item No.	No. of Vacancies	Lab./Estt.	Qualification	Experience / Specialisation (in Research or Design or Development or Production)
1	01	DQR&S, DRDO	<p><b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Mechanical Engg./Aeronautical Engg./Electrical Engg./Electronics &amp; Communication Engg. only; from a recognized University.</p> <p style="text-align: right;"><b>Job Profile</b></p> <p><b>Desirable :</b> (i) Master's degree in Engg. or Technology in the subject concerned. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p>	<p><b>Essential:</b> At least 15 years experience in areas of quality planning, quality assurance, quality control, and quality improvements related to weapons/sensors/combats vehicles/armaments.</p>

**Scientist 'F' ( ` 37,400-67,000/- & Grade Pay ` 8,900/-) – 3 Vacancies**

Item No.	No. of Vacancies	Lab./Estt.	Qualification	Experience / Specialisation (in Research or Design or Development or Production)
2	03	DRDO	<p><b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Civil Engg./ Mechanical Engg./Electrical Engg./Electronics &amp; Communication Engg./ Metallurgical Engg. only; from a recognized University.</p> <p style="text-align: right;"><b>Job Profile</b></p> <p><b>Desirable :</b> (i) Master's degree in Engg. or Technology in the subject concerned. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p>	<p><b>Essential:</b> At least 13 years experience and expertise in areas of communication technology/ project management/ maintenance of plant and machinery/operation and maintenance in the area of telecommunication/ material management/ QA/QC of mechanical system/ material handling equipment/design &amp; fabrication of Mechanical system &amp; HVAC plants/safety management of weapon and armament system and civil works in MES/BRO/construction agencies of Military Services.</p>

**Scientist 'E' ( ` 37,400-67,000/- & Grade Pay ` 8,700/-) – 15 Vacancies**

Item No.	No. of Vacancies	Lab./Estt.	Qualification	Experience / Specialisation (in Research or Design or Development or Production)
3	01	RCI (Programme AD), Hyderabad	<p><b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Naval Arch/Naval Construction/Metallurgy /Marine Engg./Mechanical Engg./Civil Engg. only; from a recognized University.</p> <p style="text-align: right;"><b>Job Profile</b></p> <p><b>Desirable :</b> (i) Master's degree in Engg. or Technology /Ph D in the subject concerned. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p>	<p><b>Essential:</b> At least 10 years 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.</p>
4	01	SSPL, Delhi	<p><b>Essential:</b> At least First class Master's Degree in Materials Science or First class Bachelor's Degree in Engg./Technology in Metallurgy only; from a recognized University.</p> <p style="text-align: right;"><b>Job Profile</b></p> <p><b>Desirable :</b> (i) Ph D in relevant Science subjects or Master's degree in Engg. or Technology in relevant Engg. subject. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p>	<p><b>Essential:</b> At least 10 years experience in semiconductor materials, device processing and semiconductor material characterization. Hands on experience in working with semiconductor materials and devices.</p>
5	03	DRDO	<p><b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Civil Engg./ Mechanical Engg./Electrical Engg./Electronics &amp; Communication Engg./ Metallurgical Engg. only; from a recognized University.</p> <p style="text-align: right;"><b>Job Profile</b></p> <p><b>Desirable :</b> (i) Master's degree in Engg. or Technology in the subject concerned. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p>	<p><b>Essential:</b> At least 10 years experience and expertise in areas of communication technology/ project management/ maintenance of plant and machinery/ operation and maintenance in the area of telecommunication/ material management, QA/QC of mechanical system/material handling equipment/design &amp; fabrication of Mechanical system &amp; HVAC plants/safety management of weapon and armament system and civil works in MES/BRO/construction agencies of Military Services.</p>
6	03	DRDO/Project	<p><b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Marine/ Mechanical Engg only; from a recognized University.</p> <p><b>Desirable :</b> (i) Master's degree in Engg. or Technology in the subject concerned. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p> <p style="text-align: right;"><b>Job Profile</b></p>	<p><b>Essential:</b> At least 10 years experience in technology issues in marine engineering for naval ships or submarines in major ship building yards/ships/Repair Yards/Projects including operational experience on marine engineering systems.</p> <p><b>Desirable:</b> Experience in interacting with industry for development/manufacturing/ testing/ operation of following ship's or submarine's systems:- (a) Shafting, steering, steam turbine, and associated auxiliary systems. OR (b) Diesel engines, habitability, refrigeration, air-conditioning, HP air, sea-water, hydraulic &amp; ventilation system etc.</p>
7	02	DRDO/Project	<p><b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Marine/ Mechanical Engg only; from a recognized University.</p> <p><b>Desirable :</b> (i) Master's degree in Marine/Mechanical Engg. or Nuclear Technology. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p> <p style="text-align: right;"><b>Job Profile</b></p>	<p><b>Essential:</b> At least 10 years experience in technology issues, operational experience in marine engineering systems including experience in design/development/aggregation and testing of Nuclear Propulsion Plant of marine platforms. Experience in interacting with industry for development/manufacturing/integration/testing/operation of various systems of Nuclear Propulsion Plant of Ships or Submarines.</p>
8	01	DRDO/Project	<p><b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Naval Architecture only; from a recognized University.</p> <p style="text-align: right;"><b>Job Profile</b></p> <p><b>Desirable :</b> (i) Master's degree in Engg. or Technology in the subject concerned. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p>	<p><b>Essential:</b> At least 10 years experience in inspection during construction of submarines.</p> <p><b>Desirable:</b> Experience in overseeing of submarine construction/repair.</p>
9	04	DRDO/Project	<p><b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Electronics Engg./Electrical Engg. only; from a recognized University.</p> <p><b>Desirable :</b> (i) Master's degree in Engg. or Technology in Electronics Engg./Electrical Engg. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p> <p style="text-align: right;"><b>Job Profile</b></p>	<p><b>Essential:</b> At least 10 years experience in testing of weapon systems/control systems/navigation equipment/sensor systems on naval ships/ship building yard/repair yards/projects including their interface and integration with onboard control and weapon systems.</p> <p><b>Desirable:</b> Experience in interacting with industry for development/manufacturing/ testing/ operation of following ship's or submarine's systems:- (a) Power generation and distribution systems, cables, communication equipment, navigation equipment, etc. OR (b) Weapons, weapon control systems, sensors such as SONAR, RADAR, EW System etc. OR (c) Control systems, associated sensors, databus and integration aspects.</p>

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

Item No.	No. of Vacancies	Lab./Estt.	Qualification	Experience / Specialisation (in Research or Design or Development or Production)
10	01	MTRDC, Bangalore	<p><b>Essential:</b> At least First class Master's Degree in Science (Physics/Applied Electronics) or First class Bachelor's Degree in Engg./Technology in Electronics Engg. only; from a recognized University.</p> <p style="text-align: right;"><b>Job Profile</b></p> <p><b>Desirable :</b> (i) Ph D in relevant Science subjects or Master's degree in Engg. or Technology in relevant Engg. subject. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p>	<p><b>Essential:</b> At least 7 years experience in Design, simulation and fabrication of Advanced Microwave Tubes like Gyrotrons. Design, simulation and fabrication of conventional helix and couplec-cavity travelling wave tubes (C-band to Ka-band).</p>
11	01	LRDE, Bangalore	<p><b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Electronics/Electronics &amp; Communication Engg. only; from a recognized University.</p> <p style="text-align: right;"><b>Job Profile</b></p> <p><b>Desirable :</b> (i) Master's degree in Engg. or Technology in RF/Microwave/Antenna Engg. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.</p>	<p><b>Essential:</b> At least 7 years experience in the field of RF/Microwaves/Antennas. Experience in the following areas will be given preference – (i) Antenna array analysis &amp; synthesis/design &amp; development of MMICs/Active Antenna Arrays. (ii) 3D EM Software like CST Microwave Studio, HFSS, ADS, FIKO etc. (iii) RF instruments like vector network analyser, Spectrum analyser, Signal generator etc.</p>

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

Item No.	No. of Vacancies	Lab./Estt.	Qualification	Experience / Specialisation (in Research or Design or Development or Production)
12	01	CFEES, Delhi	<b>Essential:</b> At least First class Bachelor's Degree in Engg./Technology in Civil Engg. only; from a recognized University. <b>Desirable :</b> (i) Master's degree in Engg. or Technology in Structural Engg. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.	<b>Essential:</b> At least 3 years experience in Blast Resistant design of RCC/LRC Structures, Analysis and preparation of Engineering Drawing, Quality Control, Construction Planning and Management. <b>Desirable :</b> Experience in Modelling & Simulation of Structures subjected to Blast Loads.
13	01	DRDO/Project	<b>Essential:</b> At least First class Master's Degree in Physics/Bio Physics only; from a recognized University. <b>Desirable :</b> (i) Doctorate Degree in the subject concerned. (ii) Knowledge of Chinese, French, Russian, German or Japanese foreign language.	<b>Essential:</b> At least 3 years experience as health physicist or in radiation safety aspects in ship building yards/ships/repair yards/BARC/Projects/Nuclear Plants and associated facilities in the following areas :- (a) Waste Management. OR (b) Radiation & Environment monitoring. Handling of sources. OR (c) Refuelling Facilities. OR (d) Radio-biological Lab. <b>Desirable :</b> Radiological Safety Course from HBNI/BARC.

Weightage for higher qualification to be equated as research experience for lateral recruitment for the posts under DRDS Cadre is as under –

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

**Scientist 'B' ( ` 15,600-39,100/- & Grade Pay ` 5,400/-) – 3 Vacancies**

Item No.	No. of Vacancies			Lab./Estt	Qualification
	UR	OBC	SC		
14	01	01	01	SSB, Diamond Harbour, Kolkata	<b>Essential:</b> At least First class Master's Degree in Psychology only; from a recognized University. <b>Desirable :</b> Knowledge of Chinese, French, Russian, German or Japanese foreign language.

**II) CIVIL WORKS OFFICER CADRE (GENERAL CENTRAL SERVICE GROUP 'A' GAZETTED (TECHNICAL))**

**Addl CCE ( ` 37,400-67,000/- & Grade Pay ` 8,700/-) – 1 Vacancy**

Item No.	No. of Vacancies	Lab./Estt.	Qualification	Experience / Specialisation
15	01	DCW&E, Delhi	<b>Essential:</b> Bachelor's Degree in Engg./Technology in Civil Engineering only; from a recognized University.	<b>Essential :</b> At least 10 years experience in planning or execution of civil work <b>OR</b> Experience in planning /execution of major time-bound projects of Workshops/Factories/ Research establishments <b>OR</b> Experience in Estate Management (i.e. encroachments, development, usufructs and litigation and other matters relating thereto: ) Provision of Civic amenities for inhabited estates, arboriculture and environmental health, civic taxes and other matters relating thereto: and expert knowledge of Land acquisition, Laws, Land valuation techniques, rules related to negotiated purchase/hiring of immovable property. <b>Desirable :</b> Knowledge of Scales of accommodation, budget monitoring and quantity surveying.

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

- (a) **For DRDS Cadre**
- (i) Scientist 'B' : Not exceeding 28 years,
  - (ii) Scientist 'C' : Not exceeding 35 years,
  - (iii) Scientist 'D' and Scientist 'E' : Not exceeding 45 years,
  - (iv) Scientist 'F' and Scientist 'G' : Not Exceeding 50 Years

- (b) **For Civil Works Officer Cadre**  
Addl CCE : Not exceeding 50 years.

- (c) **The upper age limit as on Closing Date** (inclusive).The upper age limit as on closing date is relaxable upto 5 years for SC, 3 years for Other Backward Communities (OBC) for the posts reserved for them as per orders of Central Govt. issued from time to time. The upper age limit as on closing date is relaxable for physically handicapped persons as per Govt. rules. 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.

2. 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/experience are bare minimum and mere possession of same does not entitle candidates to be called for interview. It may 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 educational qualification possessed, experience at suitable level, professional achievements, aptitude for research etc.** 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 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.

**3. 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. After submission of the online application, 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 Director, Recruitment & Assessment Centre (RAC), Lucknow Road, Timarpur, Delhi-110054, so as to be received at RAC within 30 days of the closing date failing which their candidature shall not be considered. Candidates are advised to retain one copy of application with acknowledgement slip.

4. **Application Fee ` 50/- (fifty) to be paid online.** No fee is applicable for SC/ST/PH/Woman candidates.
5. Only Indian nationals need to apply.
6. Fare concession is given by railways to unemployed youth in second class when travelling to attend interviews for jobs in Central Govt. Deppts. 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 who are unemployed 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, to such candidates.
7. Candidates will have to produce all original certificates for verification at the time of interview.
8. Application without scanned 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.
9. Candidates desirous of applying for more than one post must apply separately for each post indicating Item No. of the advertisement accompanied by separate requisite fee.
10. Selected candidates have the liability to serve anywhere in India.
11. **Number of vacancies are tentative and may vary.**
12. **CANVASSING IN ANY FORM WILL DISQUALIFY THE CANDIDATE.**
13. Our e-mail address: [director@recruitment.drdo.in](mailto:director@recruitment.drdo.in)
14. **CHECK LIST:**  
**Please ensure that you have:**
  - (a) Attached scanned copies of the requisite certificates with application(ref Para-3).
  - (b) Rightly indicated the item number, subject and the post applied for.
  - (c) Uploaded recent colour passport size photograph.
  - (d) Paid requisite fee through online mode 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) Forwarded relieving certificate in case you are a retired Armed forces personnel.
  - (g) Forwarded application through proper channel/accompanied with NOC if already employed as stated in para-3.
  - (h) Retained the photocopy of filled application form.

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

- For all queries related to recruitment 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

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