



ISO 9001 Certified  
Advt. No. 147

DEFENCE RESEARCH AND DEVELOPMENT ORGANISATION (DRDO)  
RECRUITMENT & ASSESSMENT CENTRE (RAC)  
LUCKNOW ROAD, TIMARPUR, DELHI – 110054

RECRUITMENT OF SCIENTISTS IN DRDO



Closing date: 17<sup>th</sup> Nov 2023 (1500hrs)

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' Technical Service known as Defence Research & Development Service (DRDS).

RAC invites online applications through RAC website (<https://rac.gov.in>) for the following posts in the DRDS cadre of DRDO:

Scientist 'F' (Basic Pay: Rs. 1,31,100/- , Level 13A as per 7th CPC) – 02 Vacancies

Item No.	No. of Vacancies	Subject/ Discipline	Qualifications & Experience	Equivalent acceptable subjects of Essential Qualification
1	01	Naval Architecture / Marine / Civil Engineering *	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering. or Technology in <b>Naval Architecture / Marine / Civil Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 13 years'</b> experience in research or design or development or production of marine structures.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in Naval Construction is preferred.</p> <p>(ii) Master's Degree in Engineering or Technology in Ocean Engineering / Naval Architecture / Metallurgy / Material Science / Corrosion Science.</p> <p>(iii) Experience of working in ship lift facility / docking facility.</p> <p>(iv) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(v) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(vi) Four years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Naval Engg</li> <li>2. Naval Architecture &amp; Ocean Engg</li> <li>3. Naval Architecture &amp; Offshore Engg</li> <li>4. Naval Architecture &amp; Marine Engg</li> <li>5. Naval Architecture and Shipbuilding</li> <li>6. Oceanography Engg</li> <li>7. Civil &amp; Structural Engg</li> <li>8. Civil &amp; Environmental Engg</li> <li>9. Civil &amp; Rural Engg</li> <li>10. Civil &amp; Water Management Engg</li> <li>11. Civil &amp; Infrastructure Engg</li> <li>12. Construction Engg &amp; Management</li> <li>13. Any other relevant discipline with qualifying essential degree which mentions 'Naval' or 'Marine' or 'Civil' as the main discipline</li> </ol>
2	01	Computer Science & Engineering *	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Computer Science &amp; Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 13 years'</b> experience in research or design or development or production in one or more of the following relevant fields.</p> <p>(a) Software Design &amp; Development</p> <p>(b) Network &amp; cyber Security Administration</p> <p><b>Desirable:</b></p> <p>(i) Minimum three years of experience in leading a Team for Software Design and Development / Network &amp; Cyber Security Administration / Database Administration.</p> <p>(ii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(iv) Four years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Computer Science/Engg &amp; Information Technology</li> <li>2. Computer Science &amp; System Engg</li> <li>3. Software Engg/ Technology</li> <li>4. Computer Science &amp; Automation Engg/ Tech</li> <li>5. Information Technology</li> <li>6. Computer Science/Technology &amp; Informatics Engg/Tech</li> <li>7. Information Science &amp; Engg/Technology</li> <li>8. Computer &amp; Communication Engg</li> <li>9. Computer Networking</li> <li>10. Any other relevant discipline with qualifying essential degree which mentions 'Computer Science' as the main discipline</li> </ol>

Scientist 'E' (Basic Pay: Rs. 1,23,100/- , Level 13 as per 7<sup>th</sup> CPC) – 14 Vacancies

Item No.	No. of Vacancies	Subject/ Discipline	Qualifications & Experience	Equivalent acceptable subjects of Essential Qualification
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3	01	Naval Architecture / Marine / Civil Engineering *	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Naval Architecture / Marine / Civil Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> experience in research or design or development or production of marine structures.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in Naval Construction is preferred.</p> <p>(ii) Master's Degree in Engineering or Technology in Ocean Engineering / Naval Architecture / Metallurgy / Material Science / Corrosion Science.</p> <p>(iii) Experience of working in ship lift facility / docking facility.</p> <p>(iv) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(v) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(vi) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Naval Engg</li> <li>2. Naval Architecture &amp; Ocean Engg</li> <li>3. Naval Architecture &amp; Offshore Engg</li> <li>4. Naval Architecture &amp; Marine Engg</li> <li>5. Naval Architecture and Shipbuilding</li> <li>6. Oceanography Engg</li> <li>7. Civil &amp; Structural Engg</li> <li>8. Civil &amp; Environmental Engg</li> <li>9. Civil &amp; Rural Engg</li> <li>10. Civil &amp; Water Management Engg</li> <li>11. Civil &amp; Infrastructure Engg</li> <li>12. Construction Engg &amp; Management</li> <li>13. Any other relevant discipline with qualifying essential degree which mentions 'Naval' or 'Marine' or 'Civil' as the main discipline</li> </ol>
4	01	Electronics & Communication / Electronics & Tele-communication / Electronics & Instrumentation / Instrumentation & Control	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Electronics &amp; Communication / Electronics &amp; Tele-communication / Electronics &amp; Instrumentation / Instrumentation &amp; Control</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> experience in networking and system integration.</p> <p><b>Desirable:</b></p> <p>(i) Experience of working on sensors.</p> <p>(ii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(iv) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Electronics Engg</li> <li>2. Electronics &amp; Computer Engg</li> <li>3. Electronics &amp; Control Engg.</li> <li>4. Electronics &amp; Communication System Engg</li> <li>5. Electronics &amp; Telematics Engg</li> <li>6. Industrial Electronics Engg</li> <li>7. Tele Communication Engg</li> <li>8. Telecommunication &amp; Information Tech</li> <li>9. Applied Electronics &amp; Instrumentation Engg</li> <li>10. Electronics &amp; Electrical Communication Engg</li> <li>11. Electrical with Communication Engg</li> <li>12. Radio Physics &amp; Electronics</li> <li>13. Electrical Engg</li> <li>14. Electrical &amp; Electronics Engg</li> <li>15. Electronics &amp; Communication Engg (Avionics)</li> <li>16. Any other relevant discipline with qualifying essential degree which mentions 'Electronics' or 'Instrumentation' as the main discipline</li> </ol>
5	01	Mechanical Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> experience in research or design or development or production of boilers.</p> <p><b>Desirable:</b></p> <p>(i) Experience in operation and maintenance of Demineralized (DM) water plants and water chemistry.</p> <p>(ii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(iv) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>

6	01	Naval Architecture / Marine / Civil Engineering *	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Naval Architecture/ Marine/ Civil Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> experience in research or design or development or production activities related to naval platforms.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in naval Construction is preferred.</p> <p>(ii) Experience in submarine design and submarine construction activities.</p> <p>(iii) Experience in planning module of ERP.</p> <p>(iv) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(v) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(vi) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Naval Engg</li> <li>2. Naval Architecture &amp; Ocean Engg</li> <li>3. Naval Architecture &amp; Offshore Engg</li> <li>4. Naval Architecture &amp; Marine Engg</li> <li>5. Naval Architecture and Shipbuilding</li> <li>6. Oceanography Engg</li> <li>7. Civil &amp; Structural Engg</li> <li>8. Civil &amp; Environmental Engg</li> <li>9. Civil &amp; Rural Engg</li> <li>10. Civil &amp; Water Management Engg</li> <li>11. Civil &amp; Infrastructure Engg</li> <li>12. Construction Engg &amp; Management</li> <li>13. Any other relevant discipline with qualifying essential degree which mentions 'Naval' or 'Marine' or 'Civil' as the main discipline</li> </ol>
7	01	Mechanical Engineering / Aeronautical	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical Engineering / Aeronautical</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> experience in research or design or development or production activities related to naval platforms.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in Naval Construction is preferred.</p> <p>(ii) Experience in submarine design and submarine construction activities.</p> <p>(iii) Experience in planning module of ERP.</p> <p>(iv) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(v) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(vi) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Aerospace Engg</li> <li>4. Aerospace Engg (Avionics)</li> <li>5. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' or 'Aeronautical' or 'Aerospace' as the main discipline</li> </ol>
8	01	Naval Architecture / Marine / Civil Engineering *	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Naval Architecture / Marine / Civil Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> experience in research or design or development or production in Ship Design / Submarine Design / Refits / Overseeing.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in Naval Construction is preferred.</p> <p>(ii) Master's Degree in Engineering or Technology / PhD in Ocean Engineering / Naval Architecture / Corrosion Science / Material Science.</p> <p>(iii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(v) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Naval Engg</li> <li>2. Naval Architecture &amp; Ocean Engg</li> <li>3. Naval Architecture &amp; Offshore Engg</li> <li>4. Naval Architecture &amp; Marine Engg</li> <li>5. Naval Architecture and Shipbuilding</li> <li>6. Oceanography Engg</li> <li>7. Civil &amp; Structural Engg</li> <li>8. Civil &amp; Environmental Engg</li> <li>9. Civil &amp; Rural Engg</li> <li>10. Civil &amp; Water Management Engg</li> <li>11. Civil &amp; Infrastructure Engg</li> <li>12. Construction Engg &amp; Management</li> <li>13. Any other relevant discipline with qualifying essential degree which mentions 'Naval' or 'Marine' or 'Civil' as the main discipline</li> </ol>

9	01	Mechanical Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> experience in research or design or development or production of Mechanical equipments.</p> <p><b>Desirable:</b></p> <p>(i) Experience in working on Steam Propulsion Machinery and operation/ maintenance/ development of Naval/ Marine equipments.</p> <p>(ii) Experience in database management</p> <p>(iii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(v) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>
10	01	Mechanical Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> experience in research or design or development in Reliability Assessment / Quality Engineering of mechanical / marine equipment and system.</p> <p><b>Desirable:</b></p> <p>(i) Master's Degree in Engineering or Technology / PhD in Reliability Engineering / Quality Engineering.</p> <p>(ii) Experience in FMECA / Remaining Life Assessment/ Reliability Allocation and knowledge of various standards/ handbooks on Quality and Reliability.</p> <p>(iii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(v) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>
11	01	Mechanical Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> of experience in research or design or development or production of mechanical/ marine equipment.</p> <p><b>Desirable</b></p> <p>(i) Working Experience in Control Engineering is preferable.</p> <p>(ii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(iv) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>

12	01	Naval Architecture/ Marine/ Civil Engineering *	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Naval Architecture/ Marine/ Civil Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> of experience in research or design or development or production in the field of submarine design.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in Naval Construction is preferred.</p> <p>(ii) Proficiency in ANSYS, Auto CAD with knowledge/ experience of working in 3D CAD-PLM environment and understanding of structures design codes/ norms, strength calculations, hydrodynamics, hydrostatics and stability calculations is preferable.</p> <p>(iii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(v) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Naval Engg</li> <li>2. Naval Architecture &amp; Ocean Engg</li> <li>3. Naval Architecture &amp; Offshore Engg</li> <li>4. Naval Architecture &amp; Marine Engg</li> <li>5. Naval Architecture and Shipbuilding</li> <li>6. Oceanography Engg</li> <li>7. Civil &amp; Structural Engg</li> <li>8. Civil &amp; Environmental Engg</li> <li>9. Civil &amp; Rural Engg</li> <li>10. Civil &amp; Water Management Engg</li> <li>11. Civil &amp; Infrastructure Engg</li> <li>12. Construction Engg &amp; Management</li> <li>13. Any other relevant discipline with qualifying essential degree which mentions 'Naval' or 'Marine' or 'Civil' as the main discipline</li> </ol>
13	01	Mechanical / Mechanical & Production Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical / Mechanical &amp; Production Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 10 years'</b> of experience in research or design or development or production in the field of submarine design.</p> <p><b>Desirable:</b></p> <p>(i) Master's Degree/ PG Diploma in Nuclear Engineering/ Nuclear Technology.</p> <p>(ii) Proficiency in Auto CAD/ 3D CAD-PLM/ Data Analysis/ CAE design tools (Flowmaster or CAE pipe software, flow simulation &amp; analysis tools like Flow Master or Pipe Net or Computational Fluid Dynamics software like FLUENT) is preferable.</p> <p>(iii) Working experience/ Sea service on steam ships/ submarines.</p> <p>(iv) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field.</p> <p>(v) Knowledge of German, French, Russian, Japanese or Chinese.</p> <p>(vi) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>

14	01	<b>Electrical &amp; Electronics/ Electrical/ Electronics/ Electronics &amp; Communication/ Electronics &amp; Telecommunication/ Instrumentation/ Instrumentation &amp; Control Engineering</b>	<b>Qualification:</b> <b>Essential:</b> (i) At least First class Bachelor's Degree in Engineering or Technology in <b>Electrical &amp; Electronics/ Electrical/ Electronics/ Electronics &amp; Communication/ Electronics &amp; Telecommunication/ Instrumentation/ Instrumentation &amp; Control Engineering</b> from a recognized university or equivalent. (ii) <b>Minimum 10 years'</b> of experience in research or design or development or production in the field of submarine design.  <b>Desirable:</b> (i) Proficiency in Auto CAD/ 3D CAD-PLM/ Data Analysis and Design & development of Control Algorithms on test/ live platforms is preferable. (ii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field. (iii) Knowledge of German, French, Russian, Japanese or Chinese. (iv) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.	1. Electronics & Computer Engg 2. Electronics & Control Engg. 3. Electronics & Communication System Engg 4. Electronics & Telematics Engg 5. Industrial Electronics Engg 6. Tele Communication Engg 7. Telecommunication & Information Tech 8. Applied Electronics & Instrumentation Engg 9. Electronics & Electrical Communication Engg 10. Electrical with Communication Engg 11. Radio Physics & Electronics 12. Electronics & Communication Engg (Avionics) 13. Electrical Power System Engg 14. Electrical & Renewable Energy Engg 15. Power Engg 16. Power Electronics Engg 17. Electronics & Electrical Communications Engg 18. Electronic Instrumentation & Control Engg 19. Electrical & Instrumentation Engg 20. Electrical Instrumentation and control Engg 21. Power Electronics & Instrumentation Engg 22. Electronic Communication & Instrumentation Engg 23. Any other relevant discipline with qualifying degree which mentions 'Electronics' or 'Electrical' or 'Instrumentation' as the main discipline
15	02	<b>Mechanical Engineering</b>	<b>Qualification:</b> <b>Essential:</b> (i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical Engineering</b> from a recognized university or equivalent. (ii) <b>Minimum 10 years'</b> of experience in research or design or development or production of mechanical/ marine equipment.  <b>Desirable</b> (i) Experience of having worked as Submarines/ Dockyard. (ii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology or Management in relevant field. (iii) Knowledge of German, French, Russian, Japanese or Chinese. (iv) Three years' experience in Research and Development Management to manage and coordinate science and technology related activities in the area of Project Management or Material Management or Resource Management or Organisational Development.	1. Mechanical & Automation Engg 2. Mechanical & Production Engg 3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline

Scientist 'D' (Basic Pay: Rs. 78,800/- , Level 12 as per 7<sup>th</sup> CPC) – 08 Vacancies

Item No.	No. Of Vacancies	Subject/ Discipline	Qualifications & Experience	Equivalent acceptable subjects of Essential Qualification
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16	01	Physics / Radiation Physics *	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class M.Sc. in <b>Physics / Radiation Physics</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 07 years'</b> of experience in research or design or development in the field of:-</p> <p>(a) Installation/ commissioning of radiation monitoring systems in power generation plant/ platforms.</p> <p>(b) Radiation safety with experience of working on radiation safety related sensors/ equipment.</p> <p><b>Desirable:</b></p> <p>(i) Certification course on radiological calibration laboratories/ in possession of Radiation Safety Officer (RSO) license for at least one year.</p> <p>(ii) Master's degree in Engineering or Technology in Radiation Safety Engineering</p> <p>(iii) Working experience in Power Generation Plants/ Shipyards or associated facilities/ Projects in areas of Waste management facility/ Handling of sources/ Management of refuelling facilities/ Handling of radiation monitoring equipment.</p> <p>(iv) Post Doctoral / Doctorate Degree in Science in the subject concerned.</p> <p>(v) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Physics (Electronics)</li> <li>2. Applied Physics</li> <li>3. Solid State Physics</li> <li>4. Computational Physics</li> <li>5. Engineering Physics</li> <li>6. Physics &amp; Electronics</li> <li>7. Any other relevant discipline with qualifying essential degree which mentions 'Physics' or 'Radiation' as the main discipline</li> </ol>
17	02	Mechanical Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 07 years'</b> of experience in research or design or development in design analysis of equipment using Finite Element (FE) Method/ Design Standards/ FE modelling/ meshing and analysis using Hyper mesh/ Ansys APDL and Ansys Workbench.</p> <p><b>Desirable:</b></p> <p>(i) Experience in design analysis of Naval equipment/ structural analysis/ thermal analysis/ hydraulic analysis/ Modal analysis/ Shock analysis/ Fatigue Analysis/ Explicit analysis/ Material non-linear analysis/ Non-linear analysis using Abaqus software.</p> <p>(ii) Experience in design/ analysis of mitigating strategies for Noise, Vibration and Shock/ Base-excitation analysis/ reliability analysis/ coupled thermo-structural analysis etc.</p> <p>(iii) Experience in life estimation of polymer products.</p> <p>(iv) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(v) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>
18	01	Mechanical Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 07 years'</b> of experience in research or design or development or production of mechanical/ marine equipment.</p> <p><b>Desirable:</b></p> <p>(i) Practical experience in operation/ maintenance/ design &amp; development/ manufacturing of mechanical/ marine equipment is preferable.</p> <p>(vi) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(ii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>

19	01	<b>Electrical/ Electronics &amp; Communication Engineering</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Electrical/ Electronics and communication engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 07 years'</b> of experience in research or design or development or production of motors (Both AC and DC) and control system including starters &amp; inverters.</p> <p><b>Desirable:</b></p> <p>(i) Practical experience in operation/ design &amp; development/ manufacturing motors (Both AC and DC) and control system including starters &amp; inverters is preferable.</p> <p>(vii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(ii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Electronics &amp; Computer Engg</li> <li>2. Electronics &amp; Control Engg</li> <li>3. Electronics &amp; Communication System Engg</li> <li>4. Electronics &amp; Instrumentation Engg</li> <li>5. Electronics &amp; Tele- Communication Engg</li> <li>6. Electronics &amp; Telematics Engg</li> <li>7. Industrial Electronics Engg</li> <li>8. Tele Communication Engg</li> <li>9. Telecommunication &amp; Information Tech</li> <li>10. Applied Electronics &amp; Instrumentation Engg</li> <li>11. Electronics &amp; Electrical Communication Engg</li> <li>12. Electrical with Communication Engg</li> <li>13. Radio Physics &amp; Electronics</li> <li>14. Electrical &amp; Electronics Engg</li> <li>15. Electronics &amp; Communication Engg (Avionics)</li> <li>16. Electrical Power System Engg</li> <li>17. Electrical &amp; Renewable Energy Engg</li> <li>18. Power Engg</li> <li>19. Power Electronics Engg</li> <li>20. Any other relevant discipline with qualifying degree which mentions 'Electronics' or 'Electrical' as the main discipline</li> </ol>
20	01	<b>Naval Architecture/ Marine/ Civil Engineering *</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Naval Architecture/ Marine/ Civil Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 07 years'</b> of experience in research or design or development or production in the field of submarine design.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in Naval Construction is preferred.</p> <p>(ii) Understanding of structures design codes/ norms, strength calculations, hydrodynamics, hydrostatics and stability calculations, proficiency in ANSYS, Auto CAD with knowledge/ experience of working in 3D CAD-PLM environment is preferable.</p> <p>(iii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Naval Engg</li> <li>2. Naval Architecture &amp; Ocean Engg</li> <li>3. Naval Architecture &amp; Offshore Engg</li> <li>4. Naval Architecture &amp; Marine Engg</li> <li>5. Naval Architecture and Shipbuilding</li> <li>6. Oceanography Engg</li> <li>7. Civil &amp; Structural Engg</li> <li>8. Civil &amp; Environmental Engg</li> <li>9. Civil &amp; Rural Engg</li> <li>10. Civil &amp; Water Management Engg</li> <li>11. Civil &amp; Infrastructure Engg</li> <li>12. Construction Engg &amp; Management</li> <li>13. Any other relevant discipline with qualifying essential degree which mentions 'Naval' or 'Marine' or 'Civil' as the main discipline</li> </ol>
21	01	<b>Mechanical / Aeronautical Engineering</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical / Aeronautical Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 07 years'</b> of experience in research or design or development or production in the field of submarine design.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in Naval Construction is preferred.</p> <p>(ii) Understanding of structures design codes/ norms, strength calculations, hydrodynamics, hydrostatics and stability calculations, proficiency in ANSYS, Auto CAD with knowledge/ experience of working in 3D CAD-PLM environment is preferable.</p> <p>(iii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Aerospace Engg</li> <li>4. Aerospace Engg (Avionics)</li> <li>5. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' or 'Aeronautical' or 'Aerospace' as the main discipline</li> </ol>



22	01	Electrical Engineering / Electrical & Electronics Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Electrical Engineering / Electrical &amp; Electronics Engineering</b> from a recognized University/Institute or equivalent.</p> <p>(ii) <b>Minimum 07 years'</b> experience in research or design or development or production in one or more of the following relevant fields.</p> <p>a) Mathematical modelling and simulation of electrical systems using software tools</p> <p>b) Algorithm Design and Analysis</p> <p><b>Desirable:</b></p> <p>(i) Post graduate Degree in Electrical / Electrical &amp; electronics / computer Science Engineering.</p> <p>(ii) Doctorate Degree in Electrical / Electrical &amp; electronics / Computer Science Engineering.</p> <p>(iii) Post Doctoral / Doctorate Degree in Engineering or Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Electronics &amp; Electrical Communication Engg</li> <li>2. Electrical with Communication Engg</li> <li>3. Electrical Power System Engg</li> <li>4. Electrical &amp; Renewable Energy Engg</li> <li>5. Power Engg</li> <li>6. Power Electronics Engg</li> <li>7. Any other relevant discipline with qualifying degree which mentions 'Electrical' as the main discipline</li> </ol>
<b>Scientist 'C' (Basic Pay: Rs. 67,700/- , Level 11 as per 7<sup>th</sup> CPC) – 27 Vacancies</b>				
23	01	Mechanical /Aeronautical Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical /Aeronautical</b> Engineering from a recognized university or equivalent.</p> <p>(ii) Minimum 03 years' of experience in research or design or development or production of Marine structures.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in Naval Construction is preferred.</p> <p>(ii) Experience in interpreting technical documentation of ship design and construction.</p> <p>(iii) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Aerospace Engg</li> <li>4. Aerospace Engg (Avionics)</li> <li>5. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' or 'Aeronautical' or 'Aerospace' as the main discipline</li> </ol>
24	01	Metallurgy or Material Science & Engineering *	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Metallurgy or Material Science &amp; Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 03 years'</b> of experience in macro and micro structural analysis of metals and its alloys.</p> <p><b>Desirable:</b></p> <p>(i) Knowledge of product/ material specifications and equivalent materials.</p> <p>(ii) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Metallurgy &amp; Material Tech</li> <li>2. Metallurgical Engg</li> <li>3. Materials Engg</li> <li>4. Material Science &amp; Metallurgical Engg</li> <li>5. Any other relevant discipline with qualifying degree which mentions 'Material Engg' or 'Material Science' or 'Metallurgy' as the main discipline</li> </ol>
25	02	Computer Science & Engineering/ Information Technology*	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Computer Science &amp; Engineering/ Information Technology</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 03 years'</b> of experience in research or design or development of computer networking.</p> <p><b>Desirable:</b></p> <p>(i) Experience in database management and network security.</p> <p>(ii) Experience in ERP/ SAP.</p> <p>(iii) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Computer Science/Engg &amp; Info Tech</li> <li>2. Computer Science &amp; System Engg</li> <li>3. Software Engg/ Technology</li> <li>4. Computer Science &amp; Automation Engg/ Tech</li> <li>5. Computer Science/Technology &amp; Informatics Engg/Tech</li> <li>6. Information Science &amp; Engg/Technology</li> <li>7. Computer &amp; Communication Engg</li> <li>8. Computer Networking</li> <li>9. Any other relevant discipline with qualifying essential degree which mentions 'Computer Science' or 'Information Technology' as the main discipline</li> </ol>

26	01	<b>Mechanical Engineering</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 03 years'</b> of research experience in the area of Shock, Noise and Vibration.</p> <p><b>Desirable:</b></p> <p>(i) Design of machinery as per ASME/ relevant codes.</p> <p>(ii) Experience in Linear/ Non- Linear FEA, Vibration/ Noise/ Shock mitigation strategies, Reliability Assessment of Equipment.</p> <p>(iii) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>
27	01	<b>Material Science &amp; Engineering/ Naval Architecture/ Metallurgy/ Polymer Science &amp; Engineering *</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Material Science &amp; Engineering/ Naval Architecture/ Metallurgy/ Polymer Science &amp; Engineering</b> from a recognized university or equivalent.</p> <p>(ii) <b>Minimum 03 years'</b> of research experience in Polymer Technology/ Nanotechnology/Composites/ Metamaterial/ Bio-inspired materials/ Self-heating materials/ Material Science &amp; Engineering/ Metallurgy.</p> <p><b>Desirable:</b></p> <p>(i) PG Diploma in Naval Construction is preferred.</p> <p>(v) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(ii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Metallurgy &amp; Material Tech</li> <li>2. Metallurgical Engg</li> <li>3. Materials Engg</li> <li>4. Material Science &amp; Metallurgical Engg</li> <li>5. Naval Engg</li> <li>6. Naval Architecture &amp; Ocean Engg</li> <li>7. Naval Architecture &amp; Offshore Engg</li> <li>8. Naval Architecture &amp; Marine Engg</li> <li>9. Naval Architecture and Shipbuilding</li> <li>10. Oceanography Engg</li> <li>11. Any other relevant discipline with qualifying degree which mentions 'Material Engg' or 'Material Science' or 'Metallurgy' or 'Naval' or 'Polymer Science' as the main discipline</li> </ol>
28	01	<b>Mechanical Engineering</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Mechanical Engineering</b> from a recognized University/Institute or equivalent.</p> <p>(ii) <b>Minimum 03 years'</b> experience in research or design or development or production in one or more of the following relevant fields.</p> <ol style="list-style-type: none"> <li>a) Product design, analysis &amp; optimization</li> <li>b) Design &amp; development of mechanisms</li> <li>c) Multibody dynamics analysis &amp; simulation</li> </ol> <p><b>Desirable:</b></p> <p>(i) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(ii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>
29	01	<b>Aerospace Engineering</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Aerospace Engineering</b> from a recognized University/Institute or equivalent.</p> <p>(ii) <b>Minimum 03 years'</b> experience in research or design or development or production in one or more of the following relevant fields.</p> <ol style="list-style-type: none"> <li>a) CFD (Computational Fluid Dynamics) code development and simulations of turbulent flows and combustion modeling using software tools.</li> <li>b) Multi-phase flows, fluid structure interaction and Combustion analysis</li> </ol> <p><b>Desirable:</b></p> <p>(i) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(ii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Aeronautical Engg</li> <li>2. Aerospace Engg (Avionics)</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Aerospace' or 'Aeronautical' as the main discipline</li> </ol>

30	01	<b>Electronics and communications/Electrical and Electronics Engineering</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Electronics and communications /Electrical and Electronics Engineering</b> from a recognized University/Institute or equivalent.</p> <p>(ii) <b>Minimum 03 years'</b> experience in research or design or development or production in one or more of the following relevant fields.</p> <p>a) Electronic equipment manufacturing and testing for defense/ aerospace/ automotive application</p> <p>b) Embedded system design (VLSI (Very Large Scale Integration) / embedded software/ micro-controller based designs)</p> <p>c) Avionics/ automotive electronics architecture design/ Integration and testing/</p> <p>d) Electrical CAD (Computer Aided Design)</p> <p><b>Desirable:</b></p> <p>(i) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(ii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Electronics Engg</li> <li>2. Electronics &amp; Computer Engg</li> <li>3. Electronics &amp; Control Engg</li> <li>4. Electronics &amp; Communication System Engg</li> <li>5. Electronics &amp; Instrumentation Engg</li> <li>6. Electronics &amp; Tele-Communication Engg</li> <li>7. Electronics &amp; Telematics Engg</li> <li>8. Industrial Electronics Engg</li> <li>9. Tele Communication Engg</li> <li>10. Telecommunication &amp; Information Tech</li> <li>11. Applied Electronics &amp; Instrumentation Engg</li> <li>12. Electronics &amp; Electrical Communication Engg</li> <li>13. Electrical with Communication Engg</li> <li>14. Radio Physics &amp; Electronics</li> <li>15. Electrical Engg</li> <li>16. Electronics &amp; Communication Engg (Avionics)</li> <li>17. Any other relevant discipline with qualifying degree which mentions 'Electronics' or 'Electrical' as the main discipline</li> </ol>
31	03	<b>Electronics and Communication Engineering</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Electronics and Communication Engineering</b> or equivalent from UGC recognized university.</p> <p>(ii) <b>Minimum 03 years'</b> experience in Research or Design and Development or production in one or more of the following areas:</p> <p>a) In area of design, simulation using Microwave CAD tools (HFSS/ADS/Microwave office / CST studio etc.), development, testing/ characterization of Broadband RF circuits and Antennas (or)</p> <p>b) In area of design, simulation, analysis, testing &amp; qualification, integration and performance evaluation of Radar/Communication/ EW Subsystem/ System (or)</p> <p>c) In area of hardware and software design, algorithm development using MATLAB/ C/C++, simulation, analysis, testing, Integration and performance evaluation of Signal Processing unit (or)</p> <p>d) In area of Embedded System Hardware/Software design and development using MATLAB/ C/C++, Operating system/device drivers etc., (or)</p> <p>e) In area of FPGA based hardware and firmware development using VHDL/Verilog, VLSI/Chip design etc.,</p> <p><b>Desirable:</b></p> <p>(i) Doctorate Degree in Engineering in the Electronics and Communication Engineering or equivalent discipline.</p> <p>(ii) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Electronics Engg</li> <li>2. Electronics &amp; Computer Engg</li> <li>3. Electronics &amp; Control Engg</li> <li>4. Electronics &amp; Communication Technology</li> <li>5. Electronics &amp; Communication Engg (Industry Integrated)</li> <li>6. Electronics &amp; Communication System Engg</li> <li>7. Electronics &amp; Communication Engg(Microwaves)</li> <li>8. Electronics &amp; Communication Engg(Sandwich)</li> <li>9. Electronics &amp; Communication Engg(Radio &amp; System)</li> <li>10. Electronics &amp; Instrumentation Engg</li> <li>11. Electronics &amp; Tele-Communication Engg</li> <li>12. Electronics &amp; Tele-Communication Technology(Electronic Radio)</li> <li>13. Electronics &amp; Telematics Engg</li> <li>14. Industrial Electronics Engg</li> <li>15. Tele Communication Engg</li> <li>16. Telecommunication &amp; Information Tech</li> <li>17. Applied Electronics &amp; Instrumentation Engg</li> <li>18. Electronics &amp; Electrical Communication Engg</li> <li>19. Electrical with Communication Engg</li> <li>20. Radio Physics &amp; Electronics</li> <li>21. Electrical Engg</li> <li>22. Electrical &amp; Electronics Engg</li> <li>23. Electronics &amp; Communication Engg (Avionics)</li> <li>24. Any other relevant discipline with qualifying degree which mentions 'Electronics' as the main discipline</li> </ol>

32	01	<b>Electronics &amp; Instrumentation / Electronics &amp; Communication/ Instrumentation and Control / Electrical and Electronics</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First class Bachelor's Degree in Engineering or Technology in <b>Electronics &amp; Instrumentation / Electronics &amp; Communication/ Instrumentation and Control / Electrical and Electronics</b> from a recognized University or Equivalent.</p> <p>(ii) <b>Minimum 03 years'</b> experience in Automotive Engine/Transmission/Powerpack R&amp;D Testing.</p> <p>(iii) Including one or more of the following areas</p> <ul style="list-style-type: none"> <li>◆ Test preparation, Configuration of Instrumentation System</li> <li>◆ Data Acquisition System Hardware and Software</li> <li>◆ Conducting tests, Data collection</li> <li>◆ Calibration of Test Equipment</li> <li>◆ Measurement systems and Report generation.</li> </ul> <p><b>Desirable:</b></p> <p>(i) Utility system operation and maintenance. Knowledge of Combustion Measurement systems.</p> <p>(ii) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Electronics Engg</li> <li>2. Electronics &amp; Computer Engg</li> <li>3. Electronics &amp; Control Engg</li> <li>4. Electronics &amp; Communication System Engg</li> <li>5. Electronics &amp; Instrumentation Engg</li> <li>6. Electronics &amp; Tele-Communication Engg</li> <li>7. Electronics &amp; Telematics Engg</li> <li>8. Industrial Electronics Engg</li> <li>9. Tele Communication Engg</li> <li>10. Telecommunication &amp; Information Tech</li> <li>11. Applied Electronics &amp; Instrumentation Engg</li> <li>12. Electronics &amp; Electrical Communication Engg</li> <li>13. Electrical with Communication Engg</li> <li>14. Radio Physics &amp; Electronics</li> <li>15. Electrical Engg</li> <li>16. Electronics &amp; Communication Engg (Avionics)</li> <li>17. Any other relevant discipline with qualifying degree which mentions 'Electronics' or 'Electrical' or 'Instrumentation' as the main discipline</li> </ol>
33	01	<b>Mechanical Engineering</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First Class Bachelor's Degree in Engineering or Technology from a recognized university in <b>Mechanical Engineering</b></p> <p>(ii) <b>Minimum 03 years'</b> experience in any one of the following areas</p> <ol style="list-style-type: none"> <li>a) Research or Design or Production in the fields of ship/underwater vehicles/Propellers</li> <li>b) In design, Installation and verification of Pressure Vessels</li> </ol> <p><b>Desirable:</b></p> <ol style="list-style-type: none"> <li>(i) Ph. D in the areas of expertise specified above</li> <li>(ii) Non-destructive and destructive testing of pressure vessels/shells</li> <li>(iii) Experience in CFD and naval design packages</li> <li>(iv) Experience or expertise in the area of project management of research projects, viz. preparation of technical, commercial proposals</li> <li>(v) Master's Degree in Engineering or Technology in the subject concerned.</li> <li>(vi) Knowledge of German, French, Russian, Japanese or Chinese</li> </ol>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' as the main discipline</li> </ol>
34	01	<b>Naval Architecture/Ocean Engineering/Marine Engineering*</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First Class Bachelor's Degree in Engineering or Technology from a recognized university in <b>Naval Architecture/Ocean Engineering/Marine Engineering</b></p> <p>(ii) <b>Minimum 03 years'</b> experience in any one of the following areas</p> <ol style="list-style-type: none"> <li>a) Research or Design or Production in the fields of ship/underwater vehicles/Propellers</li> <li>b) Marine Systems Design/ Development/ Evaluation</li> </ol> <p><b>Desirable:</b></p> <ol style="list-style-type: none"> <li>(i) Ph. D in the areas of expertise specified above</li> <li>(ii) Experience in CFD and naval design packages</li> <li>(iii) Experience or expertise in the area of project management of research projects, viz. preparation of technical, commercial proposals</li> <li>(iv) Master's Degree in Engineering or Technology in the subject concerned.</li> <li>(v) Knowledge of German, French, Russian, Japanese or Chinese</li> </ol>	<ol style="list-style-type: none"> <li>1. Naval Engg</li> <li>2. Naval Architecture &amp; Ocean Engg</li> <li>3. Naval Architecture &amp; Offshore Engg</li> <li>4. Naval Architecture &amp; Marine Engg</li> <li>5. Naval Architecture and Shipbuilding</li> <li>6. Oceanography</li> <li>7. Physical Oceanography</li> <li>8. Any other relevant discipline with qualifying essential degree which mentions 'Naval' or 'Marine' or 'Ocean' as the main discipline</li> </ol>

35	01	Physiology*	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) A medical qualification included in the First Schedule or the Second Schedule or the Para II of the Third Schedule to the Indian Medical Council Act, 1956 (102 of 1956). Holders of medical qualifications included in the Part II of the said, Third Schedule also fulfill the conditions specified in sub-section (3) of the section 13 of the said act.</p> <p>(ii) Required Post-Graduate Degree qualification in <b>Physiology</b></p> <p>(iii) <b>Minimum 03 years'</b> experience in the field of environmental physiology/high altitude physiology /cardiovascular physiology /neurophysiology.</p> <p>(iv) Knowledge of German, French, Russian, Japanese or Chinese.</p>	
36	01	Biotechnology/ Biochemistry*	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First Class M.Sc. in <b>Biotechnology/ Biochemistry</b> from a recognized university or equivalent</p> <p>(ii) <b>Minimum 03 years'</b> research experience in in-vitro and in-vivo studies (preferably, mice model) in the area of Cell Biology or Radiation Biology or Metabolic Cell signalling.</p> <p><b>Desirable:</b></p> <p>(i) Research experience in the areas of Cell and Molecular Biology / Cell Signalling/ Stress Biology</p> <p>(ii) Doctorate Degree in Science in the subject concerned.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	1. Clinical Biochemistry
37	01	Electrical/ Electronics and Communication/ Engineering/Electronics & Instrumentation Engineering/ Electrical & Electronics Engineering/ Applied Electronics & Instrumentation Engineering	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First Class Bachelor's Degree in Engineering or Technology in <b>Electrical/ Electronics and Communication Engineering/Electronics &amp; Instrumentation Engineering/ Electrical &amp; Electronics Engineering/ Applied Electronics &amp; Instrumentation Engineering</b> from a recognized university or equivalent</p> <p>(ii) <b>Minimum 03 years'</b> experience in research or design or development of Power Electronics systems based on FPGA/Microcontrollers</p> <p><b>Desirable:</b></p> <p>(i) Master's Degree in Engineering or Technology in the discipline of Electrical Engineering/ Applied Electronics &amp; Instrumentation/ Power Electronics/ Embedded Systems/ Control Systems.</p> <p>(ii) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	1. Electronics Engg 2. Electronics & Computer Engg 3. Electronics & Control Engg 4. Electronics & Communication System Engg 5. Electronics & Tele-Communication Engg 6. Electronics & Telematics Engg 7. Industrial Electronics Engg 8. Tele Communication Engg 9. Telecommunication & Information Tech 10. Electronics & Electrical Communication Engg 11. Electrical with Communication Engg 12. Radio Physics & Electronics 13. Electronics & Communication Engg (Avionics) 8. Electrical Power System Engg 9. Electrical & Renewable Energy Engg 10. Power Engg 11. Power Electronics Engg 14. Any other relevant discipline with qualifying degree which mentions 'Electronics' or 'Electrical' as the main discipline

38	03	<b>Mechanical/Electrical/ Instrumentation Engineering</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First Class Bachelor's Degree in Engineering or Technology in <b>Mechanical/Electrical/Instrumentation Engineering</b> from a recognized university or equivalent</p> <p>(ii) <b>Minimum 03 years'</b> experience in the area of underwater transducers or electromechanical transducers or electro acoustic transducers or acoustical engineering.</p> <p><b>Desirable:</b></p> <p>(i) Master's Degree in Engineering or Technology in the discipline of Mechanical Engineering, Ocean Engineering or Computer Aided Design.</p> <p>(ii) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(iii) Knowledge of German, French, Russian, Japanese or Chinese</p>	<ol style="list-style-type: none"> <li>1. Mechanical &amp; Automation Engg</li> <li>2. Mechanical &amp; Production Engg</li> <li>3. Electrical Power System Engg</li> <li>4. Electrical &amp; Electronics Engg</li> <li>5. Electrical &amp; Renewable Energy Engg</li> <li>6. Power Engg</li> <li>7. Power Electronics Engg</li> <li>8. Electronics &amp; Electrical Communications Engg</li> <li>9. Electrical with Communication Engg</li> <li>10. Instrumentation &amp; Control Engg</li> <li>11. Electronics &amp; Instrumentation Engg</li> <li>12. Electronic Instrumentation &amp; Control Engg</li> <li>13. Applied Electronics and Instrumentation Engg</li> <li>14. Electrical and Instrumentation Engg</li> <li>15. Electrical Instrumentation &amp; Control Engg</li> <li>16. Power Electronics &amp; Instrumentation Engg</li> <li>17. Electronics Communication &amp; Instrumentation Engg</li> <li>18. Any other relevant discipline with qualifying essential degree which mentions 'Mechanical' or 'Instrumentation' or 'Electrical' as the main discipline</li> </ol>
39	01	<b>Electronics and Communication Engineering/Electronics &amp; Instrumentation Engineering/ Electronics &amp; Telecommunication Engineering/ Electrical &amp; Electronics Engineering / Information technology</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First Class Bachelor's Degree in Engineering or Technology in <b>Electronics and Communication Engineering/Electronics &amp; Instrumentation Engineering/ Electronics &amp; Telecommunication Engineering/ Electrical &amp; Electronics Engineering / Information technology</b> from a recognized university or equivalent</p> <p>(ii) <b>Minimum 03 years'</b> experience in research or design or development in the field of smart embedded devices and emerging technology (IOTS); on reverse engineering tools like IDA PRO, baksmali and JEB for Androids, with Linux, Command line, configuration and scripting; Mobile security techniques and fundamentals; with reverse engineering, specially mobile apps and ARM CPUs; Firmware extraction using I2C/JTag/SPI etc.</p> <p><b>Desirable:</b></p> <p>(i) Master's degree in engineering or technology in Electronics and Communication/ Engineering/Electronics &amp; Instrumentation Engineering/ Electronics &amp; Telecommunication Engineering/ Electrical &amp; Electronics Engineering or Embedded security/Cyber Security or related disciplines</p> <p>(ii) Working knowledge of androids/IOS internals</p> <p>(iii) Knowledge of Malware detection technologies</p> <p>(iv) Experience with DALVIK / Android run-time(ART)</p> <p>(v) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(vi) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Electronics Engg</li> <li>2. Electronics &amp; Computer Engg</li> <li>3. Electronics &amp; Control Engg</li> <li>4. Electronics &amp; Communication System Engg</li> <li>5. Electronics &amp; Telematics Engg</li> <li>6. Industrial Electronics Engg</li> <li>7. Tele Communication Engg</li> <li>8. Telecommunication &amp; Information Tech</li> <li>9. Applied Electronics &amp; Instrumentation Engg</li> <li>10. Electronics &amp; Electrical Communication Engg</li> <li>11. Electrical with Communication Engg</li> <li>12. Radio Physics &amp; Electronics</li> <li>13. Electrical Engg</li> <li>14. Electronics &amp; Communication Engg (Avionics)</li> <li>15. Any other relevant discipline with qualifying degree which mentions 'Electronics' or 'Information Technology' as the main discipline</li> </ol>

40	01	<b>Computer Science &amp; Engineering / Information Technology*</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First Class Bachelor's Degree in Engineering or Technology in <b>Computer Science &amp; Engineering / Information Technology</b> from a recognized university or equivalent</p> <p>(ii) <b>Minimum 03 years'</b> experience in research or design or development in the field of Big Data Analysis/Technologies(Machine Learning, Common Natural Language Processing, Map Reduce, YARN, Hadoop, Elastic Search, Mahout, Hive and similar technologies)</p> <p><b>Desirable:</b></p> <p>(i) Master's degree in engineering or technology in Computer Sc. &amp; Engineering. / Information Technology / Computer Security/ Cyber Security or related disciplines</p> <p>(ii) Proficiency in C/C++, Python, Java and knowledge of scripting languages</p> <p>(iii) Machine learning: Research and implement Data-Mining and Machine learning algorithms</p> <p>(iv) Develop extensible, scalable, reliable software for high volume, real-time data processing</p> <p>(v) Developing reports, dash board in Tableau. Sound knowledge on visualization products such as D3, JQuery, Tableau and similar technologies</p> <p>(vi) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(vii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Computer Science/ Engg/ Technology</li> <li>2. Computer Science and Engg/Technology</li> <li>3. Computer Science/Engg &amp; Info Tech</li> <li>4. Computer Science &amp; System Engg</li> <li>5. Software Engg/ Technology</li> <li>6. Computer Science &amp; Automation Engg/ Tech</li> <li>7. Computer Science/Technology &amp; Informatics Engg/Tech</li> <li>8. Information Science &amp; Engg/Technology</li> <li>9. Computer &amp; Communication Engg</li> <li>10. Computer Networking</li> <li>11. Information Technology &amp; Mathematical Innovations</li> <li>12. Any other relevant discipline with qualifying essential degree which mentions 'Computer Science' or 'Information Technology' as the main discipline</li> </ol>
41	02	<b>Computer Science &amp; Engineering / Information Technology*</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First Class Bachelor's Degree in Engineering or Technology in <b>Computer Science &amp; Engineering / Information Technology</b> from a recognized university or equivalent</p> <p>(ii) <b>Minimum 03 years'</b> experience in research or design or development in the field of advanced persistent threat analysis and assembly language debugging, system programming, driver programming, kernel programming.</p> <p><b>Desirable:</b></p> <p>(i) Master's degree in engineering or technology in Computer Sc. &amp; Engineering. / Information Technology / Computer Security/ Cyber Security or related disciplines</p> <p>(ii) Proficiency in C/C++ and knowledge of scripting languages</p> <p>(iii) Hands-on experience with analysis tools (Sysinternals, Sniffers, Anti-route kits etc.)</p> <p>(iv) Hands-on experience with publically available automated Malware analysis systems (Cuckoo, Buster etc.)</p> <p>(v) Web protocols and standards (TCP/IP, HTTP, SSL, HTML, Java script, DNS etc.)</p> <p>(vi) Assembly language debugging experience with static and dynamic analysis tools such as IDA, Ollydbg and similar technologies</p> <p>(vii) Anti-virus behavior knowledge</p> <p>(viii) Knowledge of PE, Doc, PDF etc. file formats and packers unpackers</p> <p>(ix) Hands on experience with Crash analysis, Patch analysis, LLVM tool chain</p> <p>(x) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(xi) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Computer Science/ Engg/ Technology</li> <li>2. Computer Science and Engg/Technology</li> <li>3. Computer Science/Engg &amp; Info Tech</li> <li>4. Computer Science &amp; System Engg</li> <li>5. Software Engg/ Technology</li> <li>6. Computer Science &amp; Automation Engg/ Tech</li> <li>7. Computer Science/Technology &amp; Informatics Engg/Tech</li> <li>8. Information Science &amp; Engg/Technology</li> <li>9. Computer &amp; Communication Engg</li> <li>10. Computer Networking</li> <li>11. Information Technology &amp; Mathematical Innovations</li> <li>12. Any other relevant discipline with qualifying essential degree which mentions 'Computer Science' or 'Information Technology' as the main discipline</li> </ol>
42	02	<b>Computer Science &amp; Engineering / Information Technology*</b>	<p><b>Qualification:</b></p> <p><b>Essential:</b></p> <p>(i) At least First Class Bachelor's Degree in Engineering or Technology In <b>Computer Science &amp; Engineering / Information Technology</b> From A Recognized University or Equivalent</p> <p>(ii) <b>Minimum 03 years'</b> experience in Research or Design or Development in the field of Vulnerability Discovery, Fuzzing, Crash Analysis, Remote Code Execution Analysis, Patch Diffing.</p> <p><b>Desirable:</b></p> <p>(i) Master's degree in engineering or technology in Computer Sc. &amp; Engineering. / Information Technology / Computer Security/ Cyber Security or related disciplines</p> <p>(ii) Proficiency in C/C++ and knowledge of scripting languages</p> <p>(iii) Knowledge of kernel mode and user mode debugger (Windbg, Immunity or Ollydbg)</p> <p>(iv) Experience of working windows internals and reverse engineering</p> <p>(v) Knowledge of Assembly and dis-assembler, (IDA Pro or equivalent)</p> <p>(vi) Master's Degree in Engineering or Technology in the subject concerned.</p> <p>(vii) Knowledge of German, French, Russian, Japanese or Chinese.</p>	<ol style="list-style-type: none"> <li>1. Computer Science/ Engg/ Technology</li> <li>2. Computer Science and Engg/Technology</li> <li>3. Computer Science/Engg &amp; Info Tech</li> <li>4. Computer Science &amp; System Engg</li> <li>5. Software Engg/ Technology</li> <li>6. Computer Science &amp; Automation Engg/ Tech</li> <li>7. Computer Science/Technology &amp; Informatics Engg/Tech</li> <li>8. Information Science &amp; Engg/Technology</li> <li>9. Computer &amp; Communication Engg</li> <li>10. Computer Networking</li> <li>11. Information Technology &amp; Mathematical Innovations</li> <li>12. Any other relevant discipline with qualifying essential degree which mentions 'Computer Science' or 'Information Technology' as the main discipline</li> </ol>



(\*) Marked posts are the ones in which candidates from all Divyang / PwD categories can apply. Remaining posts are the ones in which only specific categories of Divyang/ PwD candidates viz., Acid Attack Victims and Dwarfism can apply.

## 1. Eligibility For Recruitment To Posts

### 1.1. Academic Requirements

As described above for different posts, the applicants should ensure that they **satisfy the eligibility criteria as on the closing date of advertisement**. Candidates should be in possession of First Class degree certificate awarded by a recognised University. Candidates should possess the prescribed experience in the relevant field as mentioned under the column “**Qualifications & Experience**” and **must have documentary proof for establishing the fact**. The prescribed Essential Qualifications/experience is bare minimum and mere possession of same does not entitle candidate to be called for personal interview.

**Weightage for higher qualification will be given based on the following conditions:**

- (a) Weightage for higher qualification is equated to research experience and is given as:
  - (i) Post Graduate Qualification in Engineering: **2 years of weightage**.
  - (ii) Post Graduate Degree in Medicine (For Medical Post only): **3 years of weightage**.
  - (iii) Doctorate Degree in Science: **3 years of weightage**.
  - (iv) Doctorate Degree in Engineering: **4 years of weightage**.

**Note : Dissertation of ME/M.Tech or Project/ Dissertation/ Thesis in case of Doctorate Degree in Engineering must be in the field relevant to the required area of experience for the given post.**

- (b) In case of candidate(s) possessing both (i) & (iii) (iv) above, weightage of higher degree only will be given subject to the note above.
- (c) Maximum weightage upto 3 years only will be given for the work experience as **Research Fellow / Research Associate etc.** (for every completed year of experience) and in case of such candidate(s) possessing ME/M.Tech degree, weightage of one year only will be given for experience subject to the note above. However, in ADA Bengaluru, the designation of JRF/SRF has been changed to Project Assistant. Therefore, such Project Assistants having gained work experience post re-designation in ADA Bengaluru will be eligible to get the benefit of weightage in experience. The period of study should not overlap with work experience.

**(However, the weightage is not automatic. It will depend on the relevance of the higher qualification and research carried out by the candidate with that required by DRDO).**

### 1.2. Age Limit For Candidates (as on closing date of advertisement)

- a. For Scientist ‘D’/‘E’/‘F’ : not exceeding 50 years.
- b. For Scientist ‘C’ : not exceeding 40 years.

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

- a. Upto 10 years for Divyang/PwD candidates (Maximum age shall not exceed 56 years including age relaxation)
- b. The upper age limit is relaxable up to 5 years for serving Civilian Central 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.

### 1.3. Nationality

Only Indian Nationals need apply.

## 2. How To Apply

- a. Candidates are required to first register online at the RAC website (<https://rac.gov.in>). Detailed guidelines will be available on candidate’s login at RAC website (<https://rac.gov.in>).
- b. 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 all requisite certificates/related documents and make payment of requisite fee. After previewing the application along with uploaded certificates/documents, the application needs to be locked for submission. **Only locked/finalised applications in all respects shall be considered.**
- c. **If any document is in any language other than English/Hindi, then its English/Hindi transcript should also be attached failing which the said document will be rejected.**
- d. Candidates are also advised to retain a printout /copy of the online recruitment application (pdf format) after submission.
- e. Candidates desirous of applying for more than one post must apply separately for each post. In such case, please mention the item no. (nos.) of all other posts where you have applied/intend to apply.
- f. The applicants are advised to fill in all their particulars carefully in the online recruitment application and verify it carefully before locking. **No correction in the data/application will be allowed and no document will be accepted once finally submitted.**
- g. 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: [lateral1.recruitment@gov.in](mailto:lateral1.recruitment@gov.in)) directly within 15 days of the closing date of online registration. **Candidates shall ensure that the intimation will be made to the employer in the prescribed format only mentioning the clause for ‘objection’ else the intimation in any other format will not be considered. Candidates should note that in case a communication from the employer is received by RAC withholding the permission to the candidate applying for the post, their candidature will be liable for cancellation. The candidates will be required to produce a copy of proof of their communication with their employer i.e. THE INTIMATION TO THE EMPLOYER AND THE ACKNOWLEDGEMENT RECEIVED FROM EMPLOYER regarding their application for the desired post at the time of interview (if called for).**
- h. Weightage of higher qualifications to be equated as experience only when the higher qualification is in the relevant discipline. **Candidates are therefore, advised to highlight the experience acquired (either through Higher Qualification or Job Experience) matching to requirements mentioned under Essential and/or Desirable Qualification while filling the Justification column under ‘Other’ Section in the online Application form.**

## 3. Documents To Be Uploaded Online

The maximum file size of each document/certificate to be uploaded should not exceed 500 KB and it must be legible when a printout is taken. For that, the applicant may scan the certificate into 200 dpi grey scale.

- a. Date of Birth (DOB) proof: Self attested Matriculation certificate/High School certificate/Birth Certificate issued by appropriate Local Authority etc. Ensure that DOB proof mentions birth date.



- b. A recent passport size colour photograph (size not exceeding 30 KB; resolution of 110 x 140 pixels).
- c. Scanned sample of candidate's signature.
- d. Self-attested certificates/testimonials regarding Essential and Higher qualification along with mark-sheets, caste, ex-servicemen, Disability certificate (wherever applicable), employment and experience etc.
- e. 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 regarding their application for the post of Scientist in DRDO, failing which their candidature liable to be cancelled.
- f. **In case of mismatch in candidate name and/or parent(s) name(s) of the candidate as mentioned in the application form with any of the documents/certificates being uploaded, the relevant affidavit in support shall essentially be uploaded.**
- g. If any document/certificate furnished is in a language other than English or Hindi, a duly self-attested transcript of the same should be attached.
- h. Candidates should attach all experience certificates and salary slips as proof of pay drawn for the experience claimed. The period of experience (date of joining/date of leaving/current job status/Promotion orders) claimed should be easily verifiable from the salary slips/experience certificates/documents attached. **(Please refer Para 9 for detailed experience requirement)**
- i. Upload requisite caste/ disability certificate, in case you belong to SC/ST/OBC (NCL)/Divyang category.
- j. Upload Release certificate in case you are a retired Armed Forces personnel. In case Age relaxation is being sought then the candidate must ensure that the age relaxation under Ex-serviceman category has not been claimed previously and relevant proof is required to be uploaded for the same.

#### 4. Application Fee & Mode Of Payment

General, OBC and EWS 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/Divyang and Women candidates.**

#### 5. Screening/ Shortlisting

Eligible candidates will be shortlisted for further selection process by adopting any one or more of the following methods:

- a. On the basis of educational qualifications and / experience higher than the minimum prescribed in the advertisement duly supported by the Documentary evidence.
- b. Relevance of experience as filled in application by candidates.
- c. On the basis of Desirable Qualification (DQ), if more than one DQ is prescribed, on any one or all of the DQs.
- d. By holding a Screening Committee Meeting consisting of Technical Experts from Industry and Academia.

Candidates will initially be short listed as per one or more of the above mentioned methods. In case, the no. of candidates shortlisted in accordance to any of above mentioned methods is large, then further shortlisting may be carried out by conducting a **Preliminary Online Interview** of short duration (10-15 minutes). The number of candidates to be shortlisted for **Preliminary Online Interview** is as under( subject to their availability):

(i)	For one Post	Upto 24 candidates
(ii)	For 2-3 Posts	Upto 48 candidates

In case for any Item the initial screening (based on biodata only), does not result in sufficient number of administratively eligible candidates (as many as the maximum number required for the Final Personal Interview), then the number of posts for that item will be reduced to the number for which the number of administratively eligible candidates is found to be sufficient. If it is not sufficient for even one vacancy then the recruitment process for that item will be cancelled.

Based upon the performance in the **Preliminary Online Interview**, candidates will be shortlisted for the **Final Personal Interview** in the following ratio subject to their availability:

(i)	For one Post	Upto 12 candidates
(ii)	For 2-3 Posts	Upto 24 candidates

Additionally, in case the second stage shortlisting i.e. after Preliminary Online Interview does not result in sufficient number of candidates (as many as half the maximum number required for the Final Personal Interview), then the number of vacancies will be reduced to the number for which the number of candidates is found to be sufficient for Final Interview. If it is not sufficient for even one vacancy then the recruitment process for that item will be cancelled. In case of cancellation of recruitment process due to any of the above mentioned reasons, the respective posts may then be re-advertised.

The candidates should, therefore, mention all qualifications/ experience/ achievements/ specialisation in relevant fields including those over and above the minimum qualifications.

**Note: RAC reserves the right to modify the screening/shortlisting procedure depending upon the availability of suitable candidates.**

#### 6. Selection Process

- (a) (i) The shortlisted candidates will be advised to appear for a **final personal interview** to be conducted as per rules at the venue and date, which will be intimated through the call letter.
- (ii) Candidates serving in Govt. or in Govt. owned organizations will be required to produce a copy of proof of their communication with their employer (intimation/acknowledgement if received from employer) regarding their application for the desired post
- (b) The final selection of candidates will be purely on the basis of merit of marks scored by a candidate in the final personal interview only. **The candidates must score a minimum of 75% marks (i.e. 75 out of 100) for all Vacancies in the Final Personal Interview for consideration for selection.**

#### 7. 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.

#### 8. Closing Date

Online submission will remain available on RAC website during **21 Oct 2023 to 17 Nov 2023 (1500hrs).**

## 9. Important Instructions related to work experience/Employment:

- a. The required experience will be counted only after the date on which the essential qualification has been acquired. While counting the experience, the suitability of the level of experience possessed will also be considered.
- b. For all posts, **candidates should have attained the current experience level at one level below the post applied for** before the closing date of the advertisement. All experience certificates/documents/promotion orders indicating length and nature of experience for each employment record should be uploaded. **Any experience below the Pay Level-10 as per 7<sup>th</sup> CPC or equivalent will not be considered.**
- c. Candidates who have worked or are currently working in Private Sector must submit proof of Pay drawn/Cost to Company (CTC) during the period claimed as experience for the post. While determining the level of experience, the Pay drawn /CTC will only be the sole criteria to determine experience at suitable level.
- d. The period of experience rendered by a candidate on part time basis, daily wages, trainee or as a Visiting/Guest Faculty, Technical Assistant, Teaching Assistant, Research Assistant, Project Assistant (except for ADA) etc. will not be counted while calculating the valid experience for eligibility of candidates for interview.
- e. Experience certificates/proofs should contain name of individual, designation, salary drawn, date of joining/leaving and areas of work. Passbook entries, Bank Account statements etc. will not be considered as salary/fellowship proofs.
- f. Candidates should upload all experience certificates, salary slips, promotion orders or proofs related to change in designation/pay scales etc. (wherever applicable) for the experience claimed. The length of experience i.e. date of joining and end date of each employment record should be available to verify the period of experience.
- g. The experience certificate/proof issued by Admin/ HR Head / Director / Principal / Dean / Registrar / Competent Authority of the Institution will only be acceptable. The experience certificates issued by Group/Division Head/ Project Head/ Professor or Head of department etc. will not be accepted. Experience certificates related to Fellowships must be issued by the aforesaid competent authority and shall contain the start date and end date of the fellowship so as to establish the duration of Fellowship.

## 10. General Instructions

- a. The applicants should ensure their eligibility in respect of age, essential qualification, experience etc.
- b. 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.
- c. The number of vacancies may vary.
- d. Applicants are advised not to change their registered mobile number as vital information regarding their shortlisting/selection status will be intimated through SMS/Email.
- e. Candidates are advised to keep visiting RAC website (<https://rac.gov.in>), at least twice a week for updates issued from time to time and for their eligibility status upon their login.
- f. Translation ambiguity, if any, will be resolved to the English version of the advertisement published in the Employment News.
- g. Dispute, if any, will be subject to the Courts/Tribunals having jurisdiction over Delhi only.
- h. Candidates will have to produce all certificates, in original, for verification at the time of interview, if and when called for.
- i. If any document/certificate furnished is in a language other than English or Hindi, a duly self-attested transcript of the same should be attached.
- j. Applicant must clearly mention details of relatives presently working in DRDO, if any.
- k. Date for determining the eligibility of all candidates in every respect shall be the prescribed Closing Date.
- l. The applicants are advised to carefully attach all the certificates / documentary evidence of age, educational qualifications, experience etc. in the online recruitment application as no correspondence will be made with the candidate for submission of Non legible / incomplete attachments.
- m. Candidates will be shortlisted for personal interview on the basis of the information provided by them in their online applications. They must ensure that information provided by them is correct. If at the time of interview or at any subsequent stage, any information given by them or any claim made by them in their online application is found to be false/ incorrect, their candidature will be rejected and they may also be debarred either permanently or for a specified period from appearing in any future selection activity conducted by RAC.
- n. Candidates should attach all experience certificates and salary slips for the experience claimed. The length of experience i.e. date of joining and end point should be available to verify the period of experience. All information filled in online application should be verifiable from the documents attached.
- o. All decisions in all matters relating to eligibility, acceptance or rejection of application shall be final and no enquiry or correspondence will be entertained in this connection from any individual or his/her agency. Incomplete applications will be summarily rejected.
- p. Canvassing in any form will disqualify the candidate.

## 11. Check List

### Please ensure that:

- a. DOB proof uploaded mentions birth date.
- b. Essential Qualification degree has been uploaded.
- c. Documents uploaded are legible/readable and not password protected.
- d. Fees has been paid, if you belong to UR/OBC/EWS Category (except Women candidates).
- e. Experience certificate has been attached with the start and end date of the experience claimed.
- f. The experience certificate has been issued by competent authority like Admin/ HR Head / Director / Principal / Dean / Registrar etc.
- g. Proper salary proofs are uploaded as Passbook entries, Bank Account statements etc. will not be considered as salary proofs.
- h. Fellowship proofs if uploaded clearly mention the start date and end date of fellowship.
- i. If any document/certificate furnished is in a language other than English or Hindi, a duly self attested transcript of the same has been uploaded.
- j. Attached a requisite caste/ disability certificate, in case you belong to SC/ST/OBC (NCL)/Divyang category.
- k. Attached Release certificate in case you are a retired Armed Forces personnel.
- l. Preview the application alongwith necessary attachments.
- m. Retained a printout of the finally submitted online application.
- n. Duly signed CCA declaration (if applicable) is uploaded.

## 12. 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 applicable (para 4). 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](mailto: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.

## 13. Contact Details

1. For all queries related to applying online for this advertisement, please contact phone no. 011-23812955 or email at [lateral1.recruitment@gov.in](mailto:lateral1.recruitment@gov.in)
2. For any other queries related to this advertisement, please contact PRO at 011-23830599 / 23889555 or email at [pro.recruitment@gov.in](mailto:pro.recruitment@gov.in)

## **Errata for Revised Advt. No. 147**

Further to the Revised Advertisement no. 147 published on 21<sup>st</sup> October 2023 at the RAC website, the following correction is made:

In Point 1 titled "**Eligibility for Recruitment to Posts**", at line 1.1(b), instead of "possessing both (i) & (ii)" kindly read "possessing both (i) & (iv)".