



**Advertisement No. 01/2021(R-I)**

**LAST DATE FOR RECEIPT OF APPLICATION: 15.02.2021**

**“Government Strives To Have A Workforce Which Reflects Gender Balance And Women Candidates Are Encouraged To Apply”**

Online applications are invited from eligible candidates for appointment to the following posts in **RMRC (Radiation Medicine Research Centre), Kolkata and BARC, Mumbai**. The post advertised include backlog vacancies also.

**I. POSTS ADVERTISED**

| Post Code                  | Name of post   | RMRC /BARC    | No. of posts |           |           |           |           | Total     |
|----------------------------|--|---------------|--------------|-----------|-----------|-----------|-----------|-----------|
|                            |  |               | SC           | ST        | OBC       | EWS       | UR        |           |
| <b>DIRECT RECRUITMENT</b>  |  |               |              |           |           |           |           |           |
| DR/01                      | Medical / Scientific Officer/E(Nuclear Medicine)               | RMRC          | 0            | 0         | 0         | 0         | 01        | 01        |
| DR/02                      | Medical/ Scientific Officer/D(Nuclear Medicine)                | RMRC          | 0            | 0         | 0         | 0         | 02        | 02        |
| DR/03                      | Technical Officer/D (Nuclear Medicine Technologist)            | RMRC          | 0            | 0         | 0         | 0         | 01        | 01        |
| DR/04                      | Nurse/A  | RMRC/<br>BARC | 0            | 0         | 10        | 01        | 8         | 19        |
| DR/05                      | Sub-Officer/B  | BARC          | 01           | 01        | 01        | 01        | 02        | 06        |
| DR/06                      | Scientific Assistant/C (Nuclear Medicine Technologist)         | RMRC          | 0            | 01        | 06        | 0         | 0         | 07        |
| DR/07                      | Scientific Assistant/B(Pathology)                              | BARC          | 0            | 01        | 0         | 01        | 0         | 02        |
| DR/08                      | Scientific Assistant/B (Nuclear Medicine Technologist)         | BARC          | 0            | 0         | 02        | 0         | 0         | 02        |
| DR/09                      | Scientific Assistant/B(Radiography)                            | BARC          | 0            | 01        | 0         | 0         | 0         | 01        |
| DR/10                      | Pharmacist/B   | RMRC          | 0            | 0         | 0         | 0         | 01        | 01        |
| DR/11                      | Driver-cum-Pump Operator-cum-Fireman/A                         | BARC          | 0            | 0         | 04        | 01        | 06        | 11        |
| Total                      |  |               | <b>01</b>    | <b>04</b> | <b>23</b> | <b>04</b> | <b>21</b> | <b>53</b> |
| <b>STIPENDIARY TRAINEE</b> |  |               |              |           |           |           |           |           |
| TR/01                      | Stipendiary trainee, Category-I(Computer Operation)            | RMRC          | 0            | 0         | 01        | 0         | 0         | 01        |
| TR/02                      | Stipendiary trainee, Category-I(Health Physicist)              | RMRC          | 0            | 01        | 0         | 0         | 0         | 01        |
| TR/03                      | Stipendiary trainee, Category-II(Laboratory Technician)        | RMRC          | 0            | 01        | 04        | 0         | 0         | 05        |
| TR/04                      | Stipendiary trainee, Category-II (Dental Technician-Hygienist) | BARC          | 0            | 0         | 03        | 0         | 0         | 03        |
| Total                      |  |               | <b>0</b>     | <b>02</b> | <b>08</b> | <b>0</b>  | <b>0</b>  | <b>10</b> |

**II EDUCATIONAL / TECHNICAL QUALIFICATION AND EXPERIENCE**

| Post Code | Name of post  | Educational / Technical Qualification and Experience   |
|-----------|---|--|
| DR/01     | Medical / Scientific Officer/E (Nuclear Medicine)   | MS/MD or equivalent (Nuclear Medicine) from a recognized University with 4 years of experience after acquiring the prescribed qualifications.  |
| DR/02     | Medical/ Scientific Officer/D (Nuclear Medicine)    | MS/MD (Nuclear Medicine) or DNB (Nuclear Medicine) from a recognized University.   |
| DR/03     | Technical Officer/D (Nuclear Medicine Technologist) | M.Sc. with 60% marks +DMRIT/DNMT/DFIT with 50% marks + 4 years experience.<br>OR<br>M.Sc. (NMT) with 60% marks + 4 years experience.<br><i>[DMRIT- Diploma in Medical Radio-Isotope Techniques, DNMT- Diploma in Nuclear Medicine Technology, DFIT- Diploma in Fusion Imaging Technology]</i>  |
| DR/04     | Nurse/A   | XII Standard and Diploma in Nursing & Midwifery (3 years course) + Valid Registration as Nurse from Central/State Nursing Council in India<br>OR<br>B.Sc.(Nursing)<br>OR<br>Nursing 'A' Certificate with 3 years experience in Hospital or Nursing Assistant Class III & above from Armed Forces.<br><i>[Candidates possessing B.Sc degree in Nursing may be considered for awarding two additional increments (non absorbable) at the time of recruitment.]</i> |

| Post Code | Name of post  | Educational / Technical Qualification and Experience   |
|-----------|---|--|
| DR/05     | Sub-Officer/B   | HSC (10+2) (Science with Chemistry) or equivalent with 50% marks + Passed Sub-Officer's Course from National Fire Service College, Nagpur AND either (i) or (ii) mentioned below:<br>i. 12 years (5 years as Leading Fireman) experience out of which at least 2 years relevant experience must be after obtaining the requisite qualification.<br>OR<br>ii. 15 years relevant experience as Fireman/Driver-cum-Operator out of which at least 2 years relevant experience must be after obtaining the requisite qualification.<br><i>[Persons having valid Heavy Vehicle driving license will be given preference.]</i> |
| DR/06     | Scientific Assistant/C<br>(Nuclear Medicine Technologist)         | B.Sc. with 60% marks + DMRIT/DNMT/DFIT with 50% marks (Diploma in Medical Radio-Isotope Techniques/Diploma in Nuclear Medicine Technology/ Diploma in Fusion Imaging Technology) + 4 years of relevant experience after obtaining requisite qualification<br>OR<br>B.Sc. (NMT)(Nuclear Medicine Technology) with 60% marks + 4 years of relevant experience after obtaining requisite qualification.<br><i>[Experience should be in handling Gamma Camera Computer systems and other in-vivo nuclear medicine techniques]</i>  |
| DR/07     | Scientific Assistant/B(Pathology)                                 | B.Sc. with 60% marks followed by post graduate Diploma in Medical Lab Technology (DMLT) with 60% marks or B.Sc (Medical Lab Technology) with 60% marks.  |
| DR/08     | Scientific Assistant/B<br>(Nuclear Medicine Technologist)         | B.Sc. with 60% marks + DMRIT/DNMT/DFIT with 50% marks (Diploma in Medical Radio-Isotope Techniques/Diploma in Nuclear Medicine Technology/Diploma in Fusion Imaging Technology)<br>OR<br>B.Sc. (NMT)(Nuclear Medicine Technology) with 60% marks.  |
| DR/09     | Scientific Assistant/B(Radiography)                               | B.Sc. (Radiography) with minimum 60% marks.<br>OR<br>B.Sc. with minimum 50% marks + one year Diploma in Radiography.   |
| DR/10     | Pharmacist/B  | HSC (10+2) +2yrs Diploma in Pharmacy + 3 months training in Pharmacy + Valid Registration as Pharmacist with Central or State Pharmacy Council.<br>Note: Candidate should possess necessary registration certificate at the time of application.   |
| DR/11     | Driver-cum-Pump Operator-cum-Fireman/A                            | HSC (10 + 2) (Science with Chemistry) <b>or</b> equivalent with minimum 50% of marks + valid Heavy Vehicle Driving License with minimum one year driving experience + Certificate Course in Fire Fighting equipments such as Fire Extinguisher etc., from the State Fire Training Centres.   |
| TR/01     | Stipendiary trainee, Category-I<br>(Computer Operation)           | Diploma in Electronics & Communications / Electronics with 60% marks in aggregate - Duration of Diploma should be either 3 years after SSC or 2 years after HSC/B.Sc.<br><i>[Candidates with experience in Computer hardware and networking will be preferred.]</i>  |
| TR/02     | Stipendiary trainee, Category-I<br>(Health Physicist)             | B.Sc. (Physics/Chemistry) with 60% marks with Zoology/Botany as subsidiary subjects. Maths is mandatory in HSC   |
| TR/03     | Stipendiary trainee, Category-II<br>(Laboratory Technician)       | HSC in Science stream (with Physics, Chemistry, Maths & Biology subjects) with a minimum 60% marks in aggregate.   |
| TR/04     | Stipendiary trainee, Category-II<br>(Dental Technician-Hygienist) | HSC (Science) with 60% marks + 2 yrs Diploma recognized by Dental Council of India.  |

### III. AGE LIMIT AS ON 15.02.2021, EMOLUMENTS / STIPENDS, GROUP OF SERVICE

| Post Code  | Name of post   | Group of Service | Level in pay matrix | Entry Pay (₹) | Minimum age | Maximum age |    |     |     |    |
|--|--|------------------|---------------------|---------------|-------------|-------------|----|-----|-----|----|
|  |  |                  |                     |               |             | SC          | ST | OBC | UR  |    |
| <b>DIRECT RECRUITMENT</b>  |  |                  |                     |               |             |             |    |     |     |    |
| DR/01  | Medical / Scientific Officer/E (Nuclear Medicine)              | A                | 12                  | 78800         | 18          | NA          | NA | NA  | 50  |    |
| DR/02  | Medical/ Scientific Officer/D (Nuclear Medicine)               | A                | 11                  | 67700         | 18          | NA          | NA | NA  | 40  |    |
| DR/03  | Technical Officer/D (Nuclear Medicine Technologist)            | A                | 11                  | 67700         | 18          | NA          | NA | NA  | 40  |    |
| DR/04  | Nurse/A  | B                | 7                   | 44900         | 18          | NA          | NA | 33  | 30  |    |
| DR/05  | Sub-Officer/B  | B                | 6                   | 35400         | 18          | 45          | 45 | 43  | 40  |    |
| DR/06  | Scientific Assistant/C (Nuclear Medicine Technologist)         | B                | 7                   | 44900         | 18          | NA          | 35 | 33  | NA  |    |
| DR/07  | Scientific Assistant/B(Pathology)                              | B                | 6                   | 35400         | 18          | NA          | 35 | NA  | NA  |    |
| DR/08  | Scientific Assistant/B (Nuclear Medicine Technologist)         | B                | 6                   | 35400         | 18          | NA          | NA | 33  | NA  |    |
| DR/09  | Scientific Assistant/B(Radiography)                            | B                | 6                   | 35400         | 18          | NA          | 35 | NA  | NA  |    |
| DR/10  | Pharmacist/B   | C                | 5                   | 29200         | 18          | NA          | NA | NA  | 25  |    |
| DR/11  | Driver-cum-Pump Operator-cum-Fireman/A                         | C                | 3                   | 21700         | 18          | NA          | NA | 30  | 27  |    |
| In addition to entry pay, allowances will be admissible under Central Government Rules.<br>DPOF/A and Sub-Officer/B: Age relaxation equal to the number of years experience in fire fighting field will be granted to candidates subject to a maximum of 5 years. For departmental candidates maximum upper age relaxation for DR/05 is 5 years and for DR/11 is upto 40 years (45 years for SC/ST and 43 years for OBC) |  |                  |                     |               |             |             |    |     |     |    |
| <b>STIPENDIARY TRAINEE</b>   |  |                  |                     | Stipend (₹)   |             | Min. Age    | SC | ST  | OBC | UR |
| TR/01  | Stipendiary trainee, Category-I (Computer Operation)           | First year       |                     | 16000         | 19          | NA          | NA | 27  | NA  |    |
| TR/02  | Stipendiary trainee, Category-I (Health Physicist)             | Second year      |                     | 18000         | 19          | NA          | 29 | NA  | NA  |    |
| TR/03  | Stipendiary trainee, Category-II (Laboratory Technician)       | First year       |                     | 10500         | 18          | NA          | 27 | 25  | NA  |    |
| TR/04  | Stipendiary trainee, Category-II (Dental Technician-Hygienist) | Second year      |                     | 12500         | 18          | NA          | NA | 25  | NA  |    |

Note: Only Date of Birth indicated in School Leaving Certificate or equivalent certificate will be accepted, no subsequent request for change shall be granted.

#### Post Identified for Persons with Disabilities (PWD) (Divyang)

| Post Code | Name of Post   | Identified for |   |
|-----------|--|----------------|---|
| DR/10     | Pharmacist/B   | HH / OH        | HH:Hearing handicapped or impaired (Partially Deaf-PD)<br>OH:Orthopaedically Handicapped (One Leg Affected-OL)        |
| TR/01     | Stipendiary trainee, Category-I (Computer Operation)     | HH / OH        | HH:Hearing handicapped or impaired (Partially Deaf-PD)<br>OH:Orthopaedically Handicapped (OL/OA-One Leg/Arm affected) |
| TR/03     | Stipendiary trainee, Category-II (Laboratory Technician) | HH             | HH:Hearing handicapped or impaired (Partially Deaf-PD)  |

[Note: "Hearing Impairment" means loss of 60 decibels or more in the better ear in the conversational range of frequencies. Physical deformity for persons with disability should not be less than 40 percentage.]

#### Upper age limit is relaxable as under:

|    |  |
|----|--|
| 1. | Relaxation upto 10 years for Persons with Disabilities (PWD) and 13 years for PWD-OBC, 15 years for ST category candidates for the post(s) identified. |
| 2. | Relaxation in age for Ex-servicemen will be as per Government Orders (Period of Military service plus 3 years). (Applicable only for DR posts)         |

|    |  |
|----|--|
| 3. | Departmental candidates who have rendered not less than 3 years continuous and regular service in the same line or allied cadre as on the last date of receipt of application are eligible for relaxation in upper age limits as per Government of India Orders.(Applicable only for DR posts)   |
| 4. | Relaxation in the Upper age limit of 5 years shall be admissible to children/family members of those who died in the 1984 Riots.   |
| 5. | Relaxation in the upper age limit of 5 years shall be admissible to persons who had ordinarily been domiciled in Kashmir division of the State of Jammu & Kashmir during the period 1 <sup>st</sup> day of January 1980 to 31 <sup>st</sup> day of December, 1989 as per Government Orders. However, the upper age relaxation shall be applicable as Government of India orders in respect of Union Territories of Jammu & Kashmir and Ladakh. |
| 6. | Widows, divorced women and women judicially separated from their husbands and not re-married are eligible for relaxation in the upper age as per Government of India Orders. (Applicable only for DR posts)  |
| 7. | Meritorious sportspersons are eligible for relaxation in the upper age limit as per Government of India Orders.(Applicable only for DR posts)  |

#### IV SELECTION METHOD

| Post Code  | Selection Method  |
|--|---|
| DR/01, DR/02, DR/03, DR/06, DR/07, DR/08 and DR/09 | Selection will be on the basis of performance in personal interview. In case, the response is more, this Research Centre reserves the right to restrict the number of candidates to be called for interview by conducting screening test of the eligible candidates. The decision of the Research Centre will be final and binding.   |
| TR/01 and TR/02                                    | <ol style="list-style-type: none"> <li>Written Test of one hour duration will be conducted and will comprise of 40 multi choice questions(choice of 4 answers). '3' marks for each correct answer and '1' mark will be deducted for each incorrect answer. The syllabus for the said examination will be based on subjects at Diploma/B.Sc. level as the case may be.</li> <li>Those candidates qualifying in the written test shall be short-listed for interview to be held on the following day.</li> <li>Final selection and ranking will be on the basis of performance of the candidate in INTERVIEW and no weightage will be given for marks scored in the written test. The decision of this Research Centre in this regard is final and binding.</li> </ol>  |
| DR/04, DR/10, TR/03 and TR/04                      | <p>The selection process will consist of tests in 3 stages – <b>Stage 1, Stage 2 &amp; Stage 3.</b></p> <p><b>Stage 1- Preliminary Test:</b> Screening examinations to be held to shortlist candidates. The format of the screening examinations will be common for all trades and will be in the following format.</p> <ol style="list-style-type: none"> <li>Examination will consist of 50 multi choice questions(choice of 4 answers) of one hour duration in the following proportion: <ul style="list-style-type: none"> <li>a. Mathematics – 20 questions</li> <li>b. Science – 20 questions</li> <li>c. General awareness – 10 questions</li> </ul> </li> <li>'3' marks for each correct answer and '1' mark will be deducted for each incorrect answer.<br/><i>Candidates scoring &lt;40% in General Category will be screened out. For reserved categories the lowest cut-off will not be fixed below 30%.</i></li> </ol> <p><b>Stage 2 - Advanced Test:</b> All candidates Screened in Stage 1 will be allowed to undertake Stage 2 (Advance Test) in their respective trade.</p> <ol style="list-style-type: none"> <li>The Test will comprise 50 multi choice questions (choice of 4 answers) of two hour duration.</li> <li>'3' marks for each correct answer and '1' mark will be deducted for each incorrect answer.</li> <li>Merit List of candidates will be prepared after Stage-2 based upon the scores obtained in Stage-2 only.<br/><i>Candidates scoring &lt;30% in General Category will be screened out. For reserved categories the lowest cut-off will not be fixed below 20%.</i></li> </ol> <p><b>Stage 3 - Skills Test:</b></p> <ol style="list-style-type: none"> <li>Based upon the Merit List prepared after Stage-2, candidates will be shortlisted for Stage 3 (Skills Test).</li> <li>The number of candidates shortlisted for Skills Test will depend upon the number of candidates qualifying in Stage 2 but will not exceed 4-5 times the</li> </ol> |

|                 |   |
|-----------------|---|
|                 | <p>number of vacancies in each trade.</p> <p>3. The Skills Test will be based on Go/No-Go basis. Candidates clearing the skill test will be shortlisted and empanelled in order of Merit based on the marks secured in Stage 2.</p>   |
| DR/05 and DR/11 | <p>The selection process will consist of tests in 3 stages – <b>Stage 1, Stage 2 &amp; Stage 3</b>.</p> <p><b>Stage 1:</b> The applicants who fulfill the requirements will be called for assessment of Physical Standards as per <b>Table-1</b> below. Those who meet the Physical Standards will be required to undergo Physical Assessment Test and Driving Test (as the case may be) as per criteria laid down in <b>Table-2: [Driving Test at Sl.No.8 in Table-2 is Only for DR/11]</b></p>  |
|                 | <p><b>Stage 2 - Preliminary Test:</b> Short listed candidates clearing Stage-1 will be allowed to appear for written test. 50 multiple choice questions (choice of four answers) of one hour duration (Mathematics-20 Questions, Science-20 Questions and General Awareness-10 Questions). Marking Scheme: 3 marks for each correct answer and 1 mark will be deducted for each incorrect answer.</p> <p><i>Note: Candidates scoring &lt;40% in General Category will be screened out. For reserved candidates the lowest cut-off will not be fixed below 30%.</i></p>  |
|                 | <p><b>Stage 3 - Advanced Test:</b></p> <ol style="list-style-type: none"> <li>Short listed candidates clearing Stage-2 (Preliminary test) will be eligible for Advanced Test comprising 50 multiple choice questions in their respective trades. Test will be of 2 hour duration.</li> <li>50 multiple choice questions (choice of four answers) with 3 marks for each correct answer and 1 mark will be deducted for each incorrect answer.</li> <li>Candidates scoring &lt;30% in General Category will be screened out. For reserved candidates the lowest cut-off will not be fixed below 20%. Final merit list will be prepared based on marks scored in Stage-3.</li> </ol> |

**Table-1 – PHYSICAL STANDARDS FOR FIRE SERVICE POSTS (DR/05 and DR/11)**

|   |              |  |
|---|--------------|--|
| 1 | No Deformity |  |
| 2 | Height       | 165 cms (Minimum)  |
| 3 | Weight       | 50 kgs (Minimum)   |
| 4 | Chest        | 81 cms (Normal) & Minimum 86 cms (expansion)   |
| 5 | Vision       | (a) 6/6, without wearing glasses or any other aid.<br>(b) Night blindness/ colour blindness shall be a disqualification. |

**Table-2 - PHYSICAL ASSESSMENT TEST (DR/05 and DR/11)**

| Sl. No. | Details of the Physical Endurance Test  | Age upto 40 years | Age between 40-45 years | Age between 45-50 years |
|---------|---|-------------------|-------------------------|-------------------------|
| 1.      | Should be able to run 100 meters in   | 25 seconds        | 28 seconds              | 30 seconds              |
| 2.      | Should be able to lay 4 lengths of hoses each 15 meters long from the appliance in                            | 3 min.            | 4 min.                  | 5 min.                  |
| 3.      | Should be able to climb on extension ladder of 10 meters length and come down twice in                        | 2 min.            | 3 min.                  | 4 min.                  |
| 4.      | Should be able to carry a person of approximately his own weight by the Fireman's lift method over 25 meters. | 3 min.            | 4 min.                  | 5 min.                  |
| 5.      | Should be able to do Push-ups continuously  | 20                | 15                      | 12                      |
| 6.      | Should be able to run 1.6 km. in  | 10 min.           | 12 min.                 | 14 min.                 |
| 7.      | Rope/Vertical pipe climbing   | 3 meters          | NA                      | NA                      |
| 8.      | <b>Driving Test(only for DR/11)</b>   |                   |                         |                         |

**Note:**

- Qualifying in the test at S.No.1 of **Table-2** is compulsory, failing which the candidate will be unfit for recruitment and further tests will not be carried out.
- The qualifying percentage marks required for the tests from S.No.2 to S.No.7 of Table-2 (taking equal weightage) put together shall be 90% and above on an average.
- Candidates undergoing Physical Assessment test should do at their OWN RISK and BARC will not be responsible for any injuries sustained at the time of Physical Assessment Test.

**V OTHER CONDITIONS FOR POST CODE TR/01 to TR/04 (Stipendiary Trainees Category-I & II)**

|    |  |
|----|--|
| 1. | <b>Physical Standards:</b> Minimum Height:160 cm. Minimum weight:45.5 kg (Relaxable if the candidate is otherwise medically fit) |
|----|--|

|    |  |                        |                     |           |
|----|--|------------------------|---------------------|-----------|
| 2. | <b>Total Duration of Training Period:</b> Two years  |                        |                     |           |
| 3. | <b>Scope of training:</b> Selected candidates will be given training at Mumbai / Kolkata in various aspects of relevant disciplines/trades, as per prescribed syllabi of each discipline/ trade and for meeting stringent requirements of BARC/RMRC. The candidates will NOT have any choice for any particular training programme /training place.  |                        |                     |           |
| 4. | <b>Grade after successful completion of training:</b> Upon successful completion of training, trainees will be considered for absorption in the following grade at the time of appointment depending on their performance during the period of training and interview to be held at the end of the training.   |                        |                     |           |
|    | Stipendiary Trainees   | Post                   | Level in Pay Matrix | Entry Pay |
|    | Category-I (Computer Operation & Health Physicist)   | Scientific Assistant/C | Level 7             | ₹44900    |
|    | Category-II(Laboratory Technician)   | Technician/B           | Level 3             | ₹21700    |
|    |  | Technician/C           | Level 4             | ₹25500    |
|    | Category-II (Dental Technician-Hygienist)  | Technician/D           | Level 5             | ₹29200    |
|    | In addition to entry pay, allowances will be admissible under Central Government Rules   |                        |                     |           |
| 5. | <b>Bond:</b> Selected candidates will have to execute a bond to complete the training and to serve RMRC/BARC or any of the constituent Units of DAE, if offered appointment after successful completion of training, for a period of 3 years after absorption. A trainee who fails to complete the training or serve the Government for 3 years, after absorption, will be liable to pay to the Government a sum equivalent to aggregate amount of stipend and the book allowance received by him/her during the period of training along with interest thereon. |                        |                     |           |

## VI NATURE OF DUTIES

| Post Code | Name of post   | Nature of duties  |
|-----------|--|---|
| DR/01     | Medical/ Scientific Officer/E<br>(Nuclear Medicine)    | For RMRC: Clinical Nuclear Medicine services: (i) Conventional Diagnostic and Therapeutic Nuclear Medicine procedures including management of thyroid diseases (ii) Advise, supervise and prepare report for in-vivo Nuclear Medicine scans such as PET-CT and SPECT/SPECT-CT. (iii) Radionuclide Therapies: As Nuclear Medicine Physician, he should be well-versed with routine radionuclide therapies.<br><br>Teaching, Training and Research: The selected officer will be involved with the ongoing research activities of the department and he will also be involved in the teaching and training activities of the centre that would be developed in the future.  |
| DR/02     | Medical/ Scientific Officer/D<br>(Nuclear Medicine)    | For RMRC: Clinical Nuclear Medicine services: (i) Conventional Diagnostic and Therapeutic Nuclear Medicine procedures including management of thyroid diseases (ii) Advise, supervise and prepare report for in-vivo Nuclear Medicine scans such as PET-CT and SPECT/SPECT-CT (iii) Radionuclide Therapies: As Nuclear Medicine Physician, he should be well-versed with routine radionuclide therapies<br><br>Teaching, Training and Research: The selected officer will be involved with ongoing research activities of the department and he will also be involved in the teaching and training activities of the centre that would be developed in the future.  |
| DR/03     | Technical Officer/D<br>(Nuclear Medicine Technologist) | For RMRC: The person recruited against this post is required to perform duties of a nuclear medicine technologist, nuclear medicine physicist, participation in teaching and training programs and participation in various research studies undertaken at centre. She/he will have a supervisory role as Nuclear Medicine Technologists and will also operate the SPECT gamma cameras, PET-CT scanners, and carry out the quality assurance tests of imaging equipments. She/he will also be involved in teaching at academic programs by delivering lectures, supervising apprentices and conducting demonstrations/experiments. The persons will also have opportunities to carry out departmentally approved research studies on various groups of patients to improvise the techniques for better diagnosis and enhanced patient throughput. |

| Post Code | Name of post  | Nature of duties   |
|-----------|---|--|
| DR/04     | Nurse/A   | <p>For BARC/RMRC:</p> <p>RMRC: Patient preparation for diagnostic and therapeutic studies. To carry out cardiac stress studies. To administer radiopharmaceuticals for diagnostic studies on PET/SPECT scanners and Intravenous cannulation of patients for intravenous administration of therapeutic radiopharmaceuticals. Management of availability of proper medications and clothes for isolated patients. Communicating to patients and their relatives about the instructions to be followed during isolation and post-isolation. Supervision of isolation room preparation before therapy by ensuring proper working conditions.</p> <p>BARC: Performing Nursing/Midwifery duties in Hospital/Dispensaries. Candidates with ICCU/Operation theatre experience and knowledge of basic computer is preferred.</p>  |
| DR/05     | Sub-Officer (B)   | <p>For BARC: Official will be responsible for :</p> <ul style="list-style-type: none"> <li>• Attending to the fire emergencies, special calls received while on duty. To take charge and be responsible for all fire fighting equipments, appliances, pumps etc in the fire station.</li> <li>• To ensure that fire communication system and fire safety system are in working condition at all time.</li> <li>• To instruct and conduct fire safety drill, squad drill of men under his charge. Arrange the maintenance of fire appliances and equipments.</li> <li>• To ensure that all log books, occurrence books, attendance roll books are maintained.</li> <li>• To ensure the staff placed in fire station are using proper uniform/safety gear and are well acquainted with the duties.</li> <li>• To ensure that all the first aid fire fighting equipments are maintained as per the standard.</li> </ul>   |
| DR/06     | Scientific Assistant/C<br>(Nuclear Medicine Technologist) | <p>For RMRC: To perform duties of a nuclear medicine technologist, nuclear medicine physicist, participation in teaching and training programmes and in various research studies. To perform a variety of nuclear medicine studies of various organs using radioisotopes on uptake probe, gamma camera SPECT systems and a PET/CT scanner. These duties include patients' preparation, positioning under imaging devices, dispensing and administration of appropriate radiopharmaceuticals, injections, data acquisition and analysis. Evaluation and performance assurance of imaging equipments and handle radioactive sources as used in nuclear medicine studies.</p>   |
| DR/07     | Scientific Assistant/B<br>(Pathology)                     | <p>For BARC: Should be able to work in a Pathology Laboratory having Sections like Emergency Laboratory with shift duties, Phlebotomy, Clinical Pathology, Biochemistry, Hematology, Microbiology including virology facility, Blood Bank and Immunology.</p>  |
| DR/08     | Scientific Assistant/B<br>(Nuclear Medicine Technologist) | <p>For BARC: The persons recruited against these posts are required to perform duties of a nuclear medicine technologist, nuclear medicine physicist, participation in teaching and training programmes and participation in various research studies undertaken at our centre. She/he will perform a variety of nuclear medicine studies of various organs using radioisotopes on uptake probe, gamma camera SPECT systems and a PET/CT scanner. These duties include patients' preparation, positioning under imaging devices, dispensing and administration of appropriate radiopharmaceuticals, injections, data acquisition and analysis. She/he will also undertake evaluation and performance assurance of imaging equipments and handle radioactive sources as used in nuclear medicine studies. She/he will also be involved in teaching at academic programs of HBNI like the one year Diploma in Medical Radioisotopes Techniques (D.M.R.I.T) and MD (Nuclear Medicine) course by delivering lectures, supervising apprentices and conducting demonstrations/experiments. She/he will also have opportunities to carry out departmentally approved research studies on various groups of patients to improvise the techniques for better diagnosis and enhanced patient throughout.</p> |

| Post Code | Name of post   | Nature of duties  |
|-----------|--|---|
| DR/09     | Scientific Assistant/B (Radiography)                           | For BARC: Handling of various X-ray machines. Carrying out general radiography including attending portable X-rays inwards, operation theatre and special radiological investigations. Handling of advance imaging modalities like computerised radiography, digital radiography, USG, CT, MRI etc.   |
| DR/10     | Pharmacist/B   | For RMRC: Dispensing medicines to patients as per doctor's prescription and explaining dosage, providing medicines to indoor units of the hospital as per indents raised, inspection of medicines in pharmacy received from stores, raising indents to procure medicines from the hospital stores, data entry of medicines and stock keeping in both manual and on-line, raising indents regarding other requirements of the pharmacy e.g. furniture, equipments etc.   |
| DR/11     | Driver-cum-Pump Operator -cum- Fireman/A                       | For BARC: Attending to fire emergencies and special service calls in round the clock shift, execute the orders of superiors while attending fire emergencies and special service calls, assist fire officers in station work, maintenance of various records in fire station, maintenance/testing of first aid fire fighting equipments, fire communication system, fire fighting equipments and systems, maintain good housekeeping, participate in fire drills, squad drills, and physical training, driving the fire appliance to the scene of fire and operate the pumps and safety operational duties as may be required by the superiors, maintain fire appliances/pumps in perfect working condition and reporting in case of defects. |
| TR/01     | Stipendiary trainee, Category-I (Computer Operation)           | For RMRC: Management Local Area Network, Internet and ANUNET facility. Operation and maintenance of HIS-PACS (Hospital Information System-Picture Archiving Communication System) and help in computer troubleshooting for day to day departmental work.  |
| TR/02     | Stipendiary trainee, Category-I (Health Physicist)             | For RMRC: Monitoring radiation exposure of staff and ensuring good radiation safety practices in the department. To provide radiation surveillance during therapeutic dose dispensing and radiopharmaceutical administration procedures in the radionuclide therapy ward of the facility. Monitoring of isolated patients in the therapy ward and discharging of patients. To provide radiation surveillance during radiopharmaceutical synthesis in the radiopharmacy. To carry out radiation field surveys, radioactivity contamination monitoring, airborne activity measurements and exhaust monitoring of gaseous waste. Consignment monitoring and HP clearance of packages for transport of radioactive materials from the facility.   |
| TR/03     | Stipendiary trainee, Category-II (Laboratory Technician)       | For RMRC: To assist officers in preparation of various radiopharmaceuticals for diagnostic studies. To assist technologists in imaging rooms to carry out diagnostic studies on PET/SPECT systems. These duties include patients' preparation, positioning under imaging devices, to assist in dispensing and administering of appropriate radiopharmaceuticals to patients.  |
| TR/04     | Stipendiary trainee, Category-II (Dental Technician-Hygienist) | For BARC: Chair side assisting, Knowledge and use of various dental materials, instruments and equipment, Oral prophylaxis i.e. scaling and polishing, Dental impressions using various dental materials, Taking Radiographs intra-oral and extra-oral, Maintaining inventory, Knowledge in computers for various digital dental softwares, Knowledge and implementation of all sterilization protocols.  |

## VII PREVAILING ADDITIONAL BENEFITS

In addition to the normal Pay and Allowances as admissible under rules, the employees of the Department of Atomic Energy are entitled for:

- Exciting working environment.
- Promotions to higher grades which are covered under the Merit Promotion Scheme of DAE.
- Healthcare for self and family members.
- Attractive performance related incentives.
- Attractive professional update allowance.
- Leave Travel Concession for self and family.
- Reimbursement of Tuition fee / Departmental Accommodation as per Government of India Orders.

Selected candidates, on their appointment, will be governed by the National Pension System (NPS)



## VIII HOW TO APPLY?

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| 1. | Applications will be accepted Online ONLY.   |
| 2. | The facility of online application will be open from <b>21.01.2021 to 15.02.2021</b>   |
| 3. | For online submission of application, please visit the website < <a href="http://recruit.barc.gov.in">recruit.barc.gov.in</a> >. Candidates are advised to read instructions given on home page of our website by clicking the option " <b>How to apply</b> ". |
| 4. | Only one application is acceptable for one post. If a candidate wishes to apply for more than one post, application and fees should be submitted separately for each post.   |
| 5. | <b>Candidates are advised to submit the ONLINE application well in advance without waiting for the Closing date (15.02.2021)</b>   |

### Application Fee:

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| 1.  | Mode of payment of the Application Fee is through <b>Online</b> .  |
| 2.  | Fee is exempted for candidates belonging to SC/ST, PWD and Women category.   |
| 3.  | Ex-servicemen are exempted from paying application fee for the Group C posts   |
| 4.  | For the posts DR/01 to DR/03 - ₹500/-  |
| 5.  | For the posts DR/04 to DR/09, TR/01 and TR/02 - ₹150/-   |
| 6.  | For the posts DR/10, DR/11, TR/03 and TR/04 - ₹100/-   |
| 7.  | Applicant is required to fill in the requisite information in the application form and then proceed for online fee payment. On final submission of the application (after making the fee payment), application number will be generated.<br>Fee NOT paid on or before the last date of receipt of online application will be treated as incomplete application and hence will be <b>rejected</b> . |
| 8.  | Detailed guidelines for payment of application fee is available in the Home page under the menu "How to Apply → Payment of fees".  |
| 9.  | Fee once paid shall not be refunded under any circumstances and cannot be held in reserve for any other recruitment.   |
| 10. | Application fee should be paid on or before the last date of receipt of online applications.   |

## IX GENERAL CONDITIONS

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| 1.  | It must be ensured that Universities/Institutions offering programmes like B.Sc. & M.Sc. through Distance Education mode are recognized by Distance Education Bureau (DEB-UGC) and in case of Technical programmes, these programmes and institutes from which the qualification obtained are recognized by Apex Bodies in the country such as AICTE, NCTE, Ministry of HRD etc.  |
| 2.  | The vacancies are provisional and subject to variation. The filling up of vacancies indicated in the advertisement is also subject to the approval of Competent Authority and may not be filled up if decided otherwise in terms of the orders issued by Government from time to time.  |
| 3.  | Candidates empanelled under WAIT LIST will be offered appointment ONLY in case candidate in the MAIN LIST does not join.  |
| 4.  | The candidates will be given choice to answer the questions in written test/trade test/interview (as applicable) in Hindi or English.   |
| 5.  | All the eligibility criteria including the period of experience as prescribed in the advertisement will be determined with reference to the last date ( <b>15.02.2021</b> ) of receipt of applications.   |
| 6.  | SC/ST outstation candidates called for written test will be paid to and fro travelling allowance of second-class Railway fare by the shortest route as per rules. However, Travelling Allowance is not admissible to those SC/ST candidates who are already in Central/State Government services, Central/State Government Corporation, Public Sector Undertakings, Local Government Institutions and Panchayats and the concession availed from Railways, if any, for undertaking journey for attending written test/Physical Assessment Test. <ul style="list-style-type: none"><li>• Download TA forms from &lt;<a href="http://recruit.barc.gov.in">recruit.barc.gov.in</a>&gt;/Job Application/ Download Forms/TA claim form.</li><li>• <i>TA reimbursement will be subject to the production of self attested copy of SC/ST Caste certificate and tickets/e-ticket.</i></li></ul> |
| 7.  | Candidates may ensure that they fill in the correct information. Candidates who furnish false information will be disqualified for Written Test/Skill Test/Interview. BARC further reserves the right to reject the candidature of any applicant at any stage.  |
| 8.  | Candidates should declare their educational qualifications they have acquired other than the requisite qualifications as per this advertisement.  |
| 9.  | Candidates are required to have a valid e-mail ID and Mobile Number. It should be kept active during the currency of this recruitment. This Centre will not be responsible for the undelivered messages to inactive mobile number/e-mail id.  |
| 10. | This Research Centre reserves the right to fill up the post or even to cancel/ restrict/ modify / alter the whole process of recruitment without issuing any further notice or assigning any reason thereof.  |

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| 11. | Posting of the selected candidates would be at the discretion of the Competent Authority as per the availability of vacancies. <b>They are liable to serve in any part of India</b> , in any constituent unit of the Department of Atomic Energy. Further, the duties may involve work in shifts, including round-the-clock shifts, field work and work in operational areas.                                     |
| 12. | Candidates who have not acquired the requisite Educational qualification prescribed in the advertisement as on the last date of receipt of online application ( <b>15.02.2021</b> ) will not be eligible and need not apply.  |
| 13. | In case Universities/Board award letter grades/CGPA/OGPA/SGPA, the same will have to be indicated as equivalent percentage of marks as per the norms adopted by that University/Board. In the absence of the same the candidature will not be considered. Candidates should be able to produce the proof of conversion from the respective institution at the time of document verification,                      |
| 14. | Candidates working under the Central/State Government, Public Sector Undertakings, Autonomous Bodies etc., are required to submit <b>“NO OBJECTION CERTIFICATE”</b> at the time of written test/skill test/interview, failing which they will not be allowed to appear for the written test/skill test/interview.   |
| 15. | Candidates belonging to SC/ST/OBC/EWS category should clearly indicate the same in the application (even when applying for UR vacancy) and should furnish proof of the same in the specified format at the time of written test/skill test/interview (as applicable) failing which they will be treated as Unreserved (UR) and subsequent representations for change of community status will not be entertained. |
| 16. | Candidates must regularly check the website. All information relating to the recruitment shall be made available on the website. Information displayed on the website shall be deemed as intimation to the candidates.  |
| 17. | At the time of Screening Test/Written Test/Skill Test/Interview, candidate must bring a print out of the online application and admit card (to be downloaded from the website) along with the documents in support of identity proof (Aadhar Card/PAN Card/Driving License/Voter Card) in original and self attested copies of all relevant documents as mentioned in the advertisement.                          |
| 18. | Candidates should come prepared to stay in Mumbai for 2 to 3 days for the Written Test/Skill Test/Interview (as applicable).  |
| 19. | Ex-servicemen who have already secured employment in civil side under Government on regular basis after availing the benefit of reservation given to ex-servicemen for their re-employment are NOT ELIGIBLE for claiming benefits of reservation under Ex-servicemen Category.  |

**X COPIES OF CERTIFICATES TO BE SUBMITTED AT THE TIME OF SCREENING TEST /WRITTEN TEST/ SKILLTEST / INTERVIEW.**

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| 1. | Educational qualifications, experience (as applicable) and technical qualifications (supported by appropriate mark sheets* indicating the subjects offered at the examinations).<br>(*Semester/Year wise mark sheets and consolidated mark sheet)  |
| 2. | Candidates possessing Integrated Course Certificate must be able to produce individual Degree/Diploma certificate as mentioned in the advertisement.   |
| 3. | Date of birth / Proof of age.  |
| 4. | SC/ST category (certificate should have been issued by the authorised authority in the prescribed format given at <b>Annexure-1*</b> .The community should have been included in the Presidential orders in relation to the concerned state).  |
| 5. | OBC candidate's caste certificate should be issued by an authorised authority in the prescribed Central Government format with non-creamy layer certificate and the caste/community should have been included in the Central lists of Other Backward Caste. The crucial date for determining the OBC non-creamy layer certificate will be the closing date of on-line application (00/00/2020). The OBC candidates should also enclose self declaration of non-creamy layer status in the format as given in <b>Annexure-2*</b> .<br>OBC for the purpose of AGE RELAXATION AND RESERVATION will mean “persons of OBC categories not belonging to the Creamy Layer” as defined in Government of India, Department of Personnel & Training OM No.36012/22/93-Estt.(SCT) dated 08.09.93 and modified vide Government of India, Department of Personnel & Training OM No.36033/3/2004-Estt.(Res) dated 09/3/2004, OM No. 36033/3/2004 –Estt.(Res.) dated 14/10/2008, OM No. 36033/1/2013-Estt (Res.) dated 27/05/2013 and latest modification vide Government of India, Department of Personnel and Training OM No. 36033/1/2013-Estt (Res.) dated 13/09/2017(As per the format given in <b>Annexure-3*</b> ). |
| 6. | Discharge Certificate (applicable to Ex-service personnel only)  |
| 7. | Candidates from Maharashtra State belonging to SC/ST/OBC categories need to submit Validity Certificate from Scrutiny Committee as per The Maharashtra Scheduled Castes, Scheduled Tribes, Denotified Tribes, (VimuktaJatis), Nomadic Tribes, Other Backward Classes and Special Backward Category (Regulation of Issuance and Verification of) Caste Certificate Act, 2000, published in the Maharashtra Government Gazette on 23 <sup>rd</sup> May 2001.   |

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| 8.  | <p>Disability Certificate from the appropriate authority regarding physical disability [as per the format given at <b>Annexure-4*</b> (applicable to persons with disability)].</p> <p>(i) According to the persons with disabilities (Equal Opportunities, Protection of Rights and Full Participation) Rules, 1996 notified on 31/12/1996 by the Central Government in exercise of the powers conferred by sub-section (1) and (2) of Section 73 of the Persons with Disabilities (Equal Opportunities, Protection of Rights and Full Participation) Act, 1995 (1 of 1996)], a disability certificate shall be issued by a Medical Board duly constituted by the Central or a State Government. The Central/State Government may constitute a Medical Board consisting of at least three members, out of which, at least, one member shall be a Specialist from the relevant field.</p> <p>(ii) The certificate would be valid for a period of 5 years for those whose disability is temporary. The Medical Board shall indicate the period of validity of the certificate where there are chances of variation in the degree of disability. For those who acquired permanent disability, the validity can be shown as permanent. On representation by the applicant, the Medical Board may review its decision having regard to all the facts and circumstances of the case and pass such orders in the matter as it thinks fit.</p> <p>(iii) Those SC/ST/OBC persons with disabilities selected on their own merit without relaxed standards along with other candidates will be considered against unreserved vacancies provided the post is identified for persons with disability of relevant category (as applicable).</p> |
| 9.  | <p>Candidates who are not covered under the scheme of reservation for SC/ST/OBC and who are coming under EWS category can avail the benefit of reservation under EWS upon production of an Income and Asset Certificate issued by Competent Authority. The EWS status as on the closing date for Online application for this advertisement shall only be considered for availing the reservation benefits, if eligible. Any change in the community/EWS status of the candidate thereafter shall not be entertained. The Income and Asset Certificate should be in the prescribed format given at <b>Annexure-5*</b>.</p>  |
| 10.   | <p>Proof of the effect that they have been affected by 1984 riots (if claiming age relaxation).</p>  |
| 11.   | <p>Claim regarding domiciled in Kashmir Division from 01.01.1980 to 31.12.1989 (if claiming age relaxation for Kashmir Division).</p> <p><b>Certificate of proof of residence</b>-any person intending to avail of this relaxation of age limit admissible under rule-3 shall submit a certificate from the District Magistrate in the Kashmir Division within whose jurisdiction he had ordinarily resided ; or any other authority designated in this behalf by the Government of Jammu &amp; Kashmir to the effect that he had ordinarily been domiciled in the Kashmir Division of Jammu &amp; Kashmir during the period from the 1st day of January, 1980 to the 31st day of December, 1989.</p>  |
| 12.   | <p>Any other relevant certificates (as applicable).</p>  |
|   | <p>*Annexures can be downloaded from the website &lt;<a href="http://recruit.barc.gov.in">recruit.barc.gov.in</a>&gt;by following the link &lt;Job Application→ Download Forms&gt;</p>   |
|   | <p><b>WARNING:</b></p> <p>(i) Mere fulfilling of requirements as laid down in the advertisement does not qualify a candidate to be called for an written test/Physical Assessment Test/interview. No correspondence will be entertained with candidates not selected.</p> <p>(ii) Candidates will be shortlisted for Physical Assessment/Written Test/Skill Test/Interview on the basis of the information provided by them in their online application. They must ensure that such information is true. If at any stage or at the time of interview, it is found that the information given by them or any claim made by them in their online application is false, their candidature will be liable to be rejected and also liable for any other appropriate action as deemed fit.</p>   |
|   | <p><b>Any dispute with regard to this recruitment will be subject to Courts having jurisdiction in Mumbai only.</b></p>  |
|   | <p><b>Record of the non-selected candidates shall not be preserved beyond 6 months from the date of formation of Select List.</b></p>  |
| <p align="center"><b>CANVASSING IN ANY FORM SHALL BE A DISQUALIFICATION</b></p> |  |