



Government of India
Department of Atomic Energy
Raja Ramanna Centre for Advanced Technology



Advertisement No : RRCAT-1/2022

Last date to apply online 17/05/2022

"GOVERNMENT STRIVES TO HAVE A WORKFORCE WHICH REFLECTS GENDER BALANCE AND WOMEN CANDIDATES ARE ENCOURAGED TO APPLY."

Online applications are invited from eligible candidates to fill up the following posts in Raja Ramanna Centre for Advanced Technology (RRCAT), Indore (M.P) :

Post Code	A-1
Name of the Post	Technical Officer/D
Discipline	Manufacturing Engineer
Number of post(s)	1 (Unreserved)
Educational qualification and experience	B.E. / B.Tech. in Mechanical Engineering/ Industrial Engineering/ Production Engineering/Industrial and production Engineering with minimum 60% marks and Minimum 4 Years cumulative practical relevant experience in Production/ Manufacturing, Precision machining with multi-axes CNC machines, Manufacturing Process planning, Fixture Designing, CAD/CAM proficiency and other latest manufacturing software proficiency from tool-rooms, medium or large scale manufacturing/production industries etc. after obtaining the requisite educational qualification. OR M.E. / M. Tech. in Manufacturing Technology / Engineering, Production Technology/ Computer Aided Design and Manufacturing Engineering/ Technology (After B.E. / B.Tech) with minimum 60% marks.
Selection Procedure	In case of receipt of large number of applications, a screening test will be conducted. Marks scored in the written test will be criteria for shortlisting candidates for personal interview. Final selection will be based on the performance in the personal interview.
Age	Not exceeding 40 years as on last date of receipt of applications.
Pay	₹ 67,700/- (Cell No.1 in the Level 11 of Pay Matrix) plus usual allowances as admissible to Central Government employees.
Nature of duties	The Officer will be mainly involved in precision manufacturing development of new/advanced/demanding manufacturing requirements of components for present and future RRCAT programmes using CAD/CAM and advanced manufacturing software using multi axes CNC machines. The Officer shall be engaged in machining /Joining Fixture Design optimization for efficient and precision manufacturing. The Officer will also be responsible for shop floor planning activities for efficient manufacturing.

Post Code	A-2
Name of the Post	Technical Officer/D
Discipline	Electrical Engineer
Number of post(s)	1 (Unreserved)
Educational qualification and experience	B.E. / B.Tech. in Electrical Engineering with minimum 60% marks and 4 years of experience in installation and/or maintenance of electrical power distribution system after obtaining the requisite educational qualification. OR M.E. / M. Tech. in Electrical Engineering (After B.E. / B.Tech) with minimum 60% marks.

Selection Procedure	In case of receipt of large number of applications, a screening test will be conducted. Marks scored in the written test will be criteria for shortlisting candidates for personal interview. Final selection will be based on the performance in the personal interview.
Age	Not exceeding 40 years as on last date of receipt of application.
Pay	₹ 67,700/- (Cell No.1 in the Level 11 of Pay Matrix) plus usual allowances as admissible to Central Government employees.
Nature of duties	Installation and/or maintenance of electrical power distribution system.

Post Code	B-1
Name of the Post	Nurse/A
Number of post(s)	1 (Reserved for SC)
Educational qualification and experience	XII Standard and Diploma in Nursing & Midwifery (3 years course) + Valid Registration as Nurse from Central/State Nursing Council in India OR B.Sc.(Nursing) OR Nursing 'A' Certificate with 3 years experience in Hospital or Nursing Assistant Class III & above from Armed Forces. [Candidates possessing B.Sc degree in Nursing may be considered for awarding two additional increments (non-absorbable) at the time of recruitment.]
Selection Procedure	<p>The selection process will consist of tests in 3 stages – Stage 1, Stage 2 & Stage 3.</p> <p>Stage 1 - Preliminary Test: Preliminary Test to be held to shortlist candidates. The format of the Preliminary Test will be as follows.</p> <ol style="list-style-type: none"> Examination will consist of 50 multi choice questions (choice of 4 answers) of one hour duration in the following proportion: <ol style="list-style-type: none"> Mathematics – 20 questions Science – 20 questions General awareness – 10 questions '3' marks for each correct answer and '1' mark will be deducted for each incorrect answer. Lowest cut-off in Stage 1 shall not be fixed below 30%. <p>Stage 2 - Advanced Test:</p> <ol style="list-style-type: none"> All candidates screened in Stage 1 will undertake an advanced test in Nursing trade. The test will comprise 50 Multiple Choice Questions (Choice of four answers) of two hours duration with '3' marks awarded for each correct answer and '1' mark deducted for each incorrect answer. Lowest cut-off in Stage 2 shall not be fixed below 20%. A merit list of candidates will be prepared after Stage 2 based upon scores obtained in Stage 2 only. In the event of tie, following criteria will be adopted in sequence for deciding position in merit list <ol style="list-style-type: none"> Candidate with lower negative marks in Stage 2 will be placed higher on the merit list. Candidate with higher marks in Stage 1 will be placed higher on the merit list. Candidate with lower negative marks in Stage 1 will be placed higher on the merit list. Candidate with higher positive marks in mathematics in Stage 1 is placed higher on the merit list. Candidate with higher positive marks in science in Stage 1 is placed higher on the merit list. <p>Stage-1 & Stage-2 will be conducted on the same day.</p> <p>Stage 3 - Skills Test:</p> <ol style="list-style-type: none"> Based upon the Merit List prepared after Stage-2, candidates will be

	<p>shortlisted for Stage 3 (Skills Test).</p> <ol style="list-style-type: none"> 2. 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 number of vacancies. 3. The Skills Test will be based on Go/No-Go basis. 4. Candidates clearing the skill test will be shortlisted and empanelled in order of Merit based on the marks secured in Stage 2. <p>Candidate will have choice to answer in Hindi or English in Written Tests and Skills Test.</p>
Age	Minimum 18 Years Maximum of 35 years as on last date of submission of application.
Pay	₹ 44,900/- (Level 7, Cell No.1 in the Pay Matrix) plus usual allowances as admissible to Central Government employees
Nature of duties	<ol style="list-style-type: none"> 1. Providing emergency care to patient. 2. Administration of medicines both oral and injectables 3. Observing, recording and reporting of vital signs e.g TPR blood pressure etc. 4. Assisting doctors in OPD and procedures. 5. To do procedures like dressing, catheterization, gastric lavage etc. 6. Maintaining inventory of items used with computer data entry.

Post Code	B-2
Name of the Post	Sub Officer/B1
Number of post(s)	2 (EWS-1, UR-1)
Educational qualification and experience	<p>HSC (10+2) (Science with Chemistry) or equivalent with 50% marks + Passed Sub-Officer's Course from National Fire Service College plus (+) either (i) or (ii) mentioned below:</p> <p>(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.</p> <p style="text-align: center;">OR</p> <p>(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.</p> <p>[Persons having valid Heavy Vehicle driving license will be given preference.]</p>
Selection Procedure	<p>The selection process will consist of tests in 3 stages : Stage-1, Stage-2, Stage-3</p> <p>Stage-1 : The applicant who fulfil the requirement will be called for assessment of Physical Test Standard as per Table-1. Those who meet the Physical Standard will require to undergo Physical Assessment Test as per Table-2 and Driving Test.</p> <p>Stage-2 : The candidates who have qualified Physical Assessment test followed by Driving Test will be permitted for Stage-2 of Examination. In Stage-2 screening examination will be held to shortlist candidates.</p> <ol style="list-style-type: none"> i. Examination shall comprise 50 Multiple Choice Questions (Choice of four answers) of one hour duration in the following proportion : <ul style="list-style-type: none"> Mathematics : 20 questions Science : 20 questions General Awareness : 10 questions ii. '3' marks will be awarded for each correct answer and '1' mark will be deducted for each incorrect answer iii. All candidates belonging to Unreserved category with <40% will be screened out. For reserved posts the lowest cut-off will not be fixed below 30%. <p>Stage-3 : All candidates screened in Stage 2 will undertake an advanced test related to their course in stage-3 test.</p> <ol style="list-style-type: none"> i. The test will comprise 50 Multiple Choice Questions (Choice of four answers) related with course. ii. '3' marks awarded for each correct answer and '1' mark deducted for each incorrect answer. Test will be of two hours duration iii. All candidates belonging to Unreserved category with <30% will be screened out. For reserved post the lowest cut-off will not be fixed below 20%. iv. Final selection will be based upon scores obtained in Stage 3 only.

	<p>v. In the event of tie in stage-3, following criteria will be adopted in sequence for deciding position in merit list</p> <ul style="list-style-type: none"> • Candidate with lower negative marks in Stage 3 will be placed higher in the merit list. • Candidate with higher marks in Stage 2 will be placed higher in the merit list. • Candidate with lower negative marks in Stage 2 will be placed higher in the merit list. • Candidate with higher positive marks in mathematics in Stage 2 will be placed higher in the merit list. • Candidate with higher positive marks in science in Stage 2 will be placed higher in the merit list. <p>Stage-2 & Stage-3 test will be conducted on the same day.</p>
Age	<p>Minimum 18 Years Maximum of 40 years as on last date of submission of application.</p> <p>Age relaxation equal to the number of years experience in fire fighting field will be granted to the candidates subject to a maximum of five years.</p>
Pay	<p>₹ 35,400/- (Level 6, Cell No.1 in the Pay Matrix) plus usual allowances as admissible to Central Government employees</p>
Nature of duties	<ul style="list-style-type: none"> • He will work in shifts and hold the charge of fire control room and responsible for manning the fire control room in efficient manner. • Attending to fire emergencies and special service calls in round-the-clock shifts. Drive and operate of major fire appliances, maintenance of log book. • Maintenance and periodic testing of fire appliances, first aid fire-fighting equipments, fire communication systems, attendance roll, occurrence book, participate in all parade, fire drill practices etc. • He will attend all fire and rescue calls. • He will be responsible to conduct fire drills as per schedule. • He will be responsible for proper maintenance and testing of fire appliances and equipments. • He will be responsible for maintaining all related records of fire control room.

For post Code B-2 Table -1 :	<p>No deformity</p> <p>Height : 165 cms (minimum)</p> <p>Weight : 50 Kgs (minimum)</p> <p>Chest : 81 cms (minimum)</p> <p>Chest : minimum 86 cms (expansion)</p> <p>Vision : 6/6, without wearing glasses or any other aid. Night blindness shall be disqualification.</p>
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For post Code B-2 Table-2 :

S.No.	Details of Test	upto 40 years	Between 40-45 years	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 length of hoses each 15 meters long from the appliance	3 Minutes	4 Minutes	5 Minutes
		Upto 3 Min.-10 Marks	Upto 4 Min.-10 Marks	Upto 5 Min.-10 Marks
		Between 3-4 Min. – 8 Marks	Between 4-5 Min. – 8 Marks	Between 5-6 Min. – 8 Marks
		Between 4-5 Min. – 6 Marks	Between 5-6 Min. – 6 Marks	Between 6-7 Min. – 6 Marks
	More than 5 Min. – no marks	More than 6 Min. – no marks	More than 7 Min. – no marks	
3	Should be able to climb on extension ladder of 10 meters length and come down twice in	2 Minutes	3 Minutes	4 Minutes
		Upto 2 Min.-10 Marks	Upto 3 Min.-10 Marks	Upto 4 Min.-10 Marks
		Between 2-3 Min. – 8 Marks	Between 3-4 Min. – 8 Marks	Between 4-5 Min. – 8 Marks
		Between 3-4 Min. – 6 Marks	Between 4-5 Min. – 6 Marks	Between 5-6 Min. – 6 Marks
	More than 4 Min. – no marks	More than 5 Min. – no marks	More than 6 Min. – no marks	
4	Should be able to carry a person of approximately his own weight by the firemen's lift method over 25 meters	3 Minutes	4 Minutes	5 Minutes
		Upto 3 Min.-10 Marks	Upto 4 Min.-10 Marks	Upto 5 Min.-10 Marks
		Between 3-4 Min. – 8 Marks	Between 4-5 Min. – 8 Marks	Between 5-6 Min. – 8 Marks
		Between 4-5 Min. – 6 Marks	Between 5-6 Min. – 6 Marks	Between 6-7 Min. – 6 Marks
	More than 5 Min. – no marks	More than 6 Min. – no marks	More than 7 Min. – no marks	
5	Should be able to push ups	20 Continuously – 10 marks	15 Continuously – 10 marks	12 Continuously – 10 marks
		(proportionate for less Nos.)	(proportionate for less Nos.)	(proportionate for less Nos.)
6	Should be able to run 1.6 Km in	10 Minutes	12 Minutes	14 Minutes
		Upto 10 Min.-10 Marks	Upto 12 Min.-10 Marks	Upto 14 Min.-10 Marks
		Between 10-11 Min. – 8 Marks	Between 12-13 Min. – 8 Marks	Between 14-15 Min. – 8 Marks
		Between 11-12 Min. – 6 Marks	Between 13-14 Min. – 6 Marks	Between 15-16 Min. – 6 Marks
	More than 12 Min. – no marks	More than 14 Min. – no marks	More than 16 Min. – no marks	
7	Rope / vertical pipe climbing	3 Meters	NA	NA
		3 meters – 10 marks		
		Between 2.5-3 Meters- 8 marks		
		Between 2-2.5 Meters- 6 marks		
	Below 2 meters – no marks			

GENERAL INSTRUCTIONS :

- a) Educational/ Technical Qualifications should be from a recognized University/ Board of Technical Education of Central or State Government.
- b) In case University/ Board award letter grades / CGPA / OGPA, 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.
- c) Age relaxation to (1) PWD candidates (2) Ex-servicemen, (3) departmental candidates (central government civilian employees), (4) family members of those who died in 1984 riots (5) persons who had ordinarily been domiciled in Kashmir division of the state of Jammu & Kashmir during the period from 01.01.1980 to 31.12.1989 (6) Widows, divorced women and women judicially separated from their husbands and who are not re-married; will be as per extant Government orders.
- d) The definition of EWS (Economically Weaker Section) will be as per the [DoPT OM No. 36039/1/2019-Estt \(Res\) dated 31/01/2019](#). (For details click the link)
- e) Only date of birth indicated in Matriculation Certificate / Municipal Birth Certificate will be accepted. No subsequent request for change shall be entertained.
- f) Before applying, the candidate should ensure that he/she fulfills all the eligibility conditions mentioned in the advertisement. The candidates are required to give correct information. The applicants would be admitted to the written test on the basis of information furnished by them in their application form. In case it is found at a later stage that the information furnished by applicant is false and/or he/she does

not fulfill any of the eligibility conditions, the candidature of such applicants would be cancelled and no correspondence in this regard would be entertained.

- g) The filling up of vacancy indicated in advertisement is subject to 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.
- h) The eligibility criteria including period of experience as prescribed in the advertisement will be determined with reference to the last date of submission of application.
- i) RRCAT, Indore 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 therefore.
- j) Candidates selected against this advertisement are likely to be posted at Indore but they are liable to serve in any of the constituent units of the Department of Atomic Energy in India.
- k) Candidates who have not acquired / will not acquire the required educational qualification/Technical Qualification/Experience as on CLOSING DATE of submission of application will not be eligible and need not apply.
- l) The applicants are requested to visit constantly our website <http://www.rrcat.gov.in/hrd/Openings/Current_Openings.html> for current information related to this advertisement.
- m) Written Test / Trade Test / Interview will be conducted at RRCAT, Indore (MP) only.

n) **Travelling Allowance :**

Post Code A-1 & A-2 : All outstation candidates called for Written Test/Interview will be paid to and fro travelling allowance of Second class railway fare or bus fare by the shortest route as admissible under rules subject to production of paper tickets. If concessional tickets are available, reimbursement will be limited to the concessional fare only.

Post Code B-1 and B-2 : All unemployed outstation SC/ST candidates called for Physical Test / Written Test/ Trade Test will be paid to and fro travelling allowance of Second class railway fare or bus fare by the shortest route as admissible under rules subject to production of paper tickets. If concessional tickets are available, reimbursement will be limited to the concessional fare only.

However, Travelling Allowance is not admissible to those 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/Skill Test/Interview.

No Travelling Allowance will be paid to Ex-Serviceman candidates.

- o) Candidates should come prepared to stay in Indore for Interview, Stage 1 (Preliminary Test), Stage 2 (Advanced Test) and Stage 3 (Trade/ Skills Test) for minimum two days. No accommodation will be provided for these two days to the candidates.
- p) 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.

- q) The selected candidates will be governed by the National Pension System which has come into force with effect from 01.01.2004 vide Notification No. 5/7/2003-ECB&PR dated 22.12.2003 of Ministry of Finance.
- r) 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.
- s) Candidates from the state of Maharashtra belonging to SC/ST/OBC categories need to submit Validity Certificate from Scrutiny Committee as per The Maharashtra Scheduled Castes, Scheduled Tribes, De-notified 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 23rd May 2001.
- t) 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.
- u) Selection of SC/ST/OBC/EWS candidates will be provisional and is subject to the caste/category certificates being verified through the proper channels and if the verification reveals that the claim to belong to Caste/category as the case may be, is false, the selection will be terminated forthwith without assigning any further reasons and without prejudice to such further action as may be taken under the provisions of Indian penal code for production of false certificates.
- v) Women Candidates fulfilling the requirements for the post are encouraged to apply against the recruitment advertisement. Also the specific benefits available to women employees may be perused in the website of the Department of Personnel & Training namely persmin.nic.in.
- w) Important Requirement of Disability Certificate:
- (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.
 - (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 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.
 - (iii) Those SC/ST/OBC persons with disabilities selected on their own merit without relaxed standards alongwith other candidates will be considered against unreserved vacancies provided the post is identified for persons with disability of relevant category.

HOW TO APPLY :

- (i) **ONLY ONLINE APPLICATIONS WILL BE ENTERTAINED.**
- (ii) Last date of applying online application is **17/05/2022.**
- (iii) Candidates may visit <http://www.rrcat.gov.in/hrd/Openings/Current_Openings.html> for submitting their application online.

- (iv) Candidates are required to have valid e-mail ID and a mobile number which should remain active during the currency of this recruitment. Call letter for Written Test / Interview / Trade Test (as the case may be) to the screened-in candidates will be sent on registered e-mail ID only.
- (v) User guide is available on the web-site duly explaining the procedure to apply and upload recent photograph and signature. The applicants must read the user guide before online submission of application.
- (vi) RRCAT is not responsible for any discrepancy in submitting details online. The applicants are therefore advised to strictly follow the instructions and user guide.
- (vii) Before uploading / submission of application form, the candidates should be cautious and ensure his/her eligibility to apply for the post. No relevant column of the application form should be left blank.
- (viii) Only one application should be submitted for one post. If a candidate wishes to apply for more than one post, separate application should be submitted for each post.
- (ix) Issuance of an admit-card for the Written Test/Trade Test/Interview will not confer any right for appointment. Appointment will be solely subject to the fulfillment of all eligibility conditions.
- (x) Applicant must possess required educational qualification and experience as on last date of submission of application.
- (xi) Candidates are advised to submit the online application well in advance without waiting for closing date.
- (xii) Candidates working under the Central/State Govt./Public Sector Undertakings/Autonomous Bodies etc. are required to submit "NO OBJECTION CERTIFICATE" from the employer while appearing for Written Test / Trade Test / Interview / Skill Test, failing which they will not be permitted to appear in Written Test / Trade Test / Interview / Skill Test.
- (xiii) The Candidates are required to upload the following documents at the time of submitting of application
 - a. Recent passport size coloured photograph
 - b. Signature
 - c. Certificate for the proof of Age (SSC/10th pass/ Municipal Birth Certificate)
 - d. Educational / Technical Qualification(s)
 - e. Experience Certificate(s) (as applicable)
 - f. Caste/ EWS certificate (format is available on RRCAT website) (if applicable)
 - g. Disability Certificate in prescribed format available on RRCAT website (if applicable)
 - h. Certificate regarding domiciled in Kashmir Division from 01.01.1980 to 31.12.1989 (if applicable)
 - i. Valid proof that they have been affected by 1984 riots (if applicable)
 - j. Any other relevant certificate (if applicable)
- (xiv) Candidate is also required to bring the above documents in original as well as a self attested copy of each at the time of Written Test/Trade Test/Interview/Skill Test, failing which they will not be permitted to appear in Written Test / Trade Test / Interview / Skill Test.

RECORDS OF THE NON-SELECTED CANDIDATES SHALL NOT BE PRESERVED BEYOND 6 MONTHS FROM THE DATE OF FORMATION OF SELECT LIST.

CANVASSING IN ANY FORM SHALL BE A DISQUALIFICATION
