



**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY (C-MET)**

NCL (P.O.), Pune - 411 008(Mah.)

Website: <http://www.cmet.gov.in>

**Advertisement No. 1/2022**

C-MET invites online applications for Technical Consultants /Research Scientists on purely temporary & contractual basis for a period of 3 years for Pune, Hyderabad and Thrissur Labs. The appointment may be extended/curtailed depending upon the status/duration of the project. However, the appointment will be initially for one year & extendable on the basis of annual performance review

Name of post	No. of post	Monthly emoluments (Consolidated Salary)	Age (as on last date of receipt of applications)
Technical Consultant / Research Scientist	17	Rs. 90,000/-	Not exceeding 40 years (Relaxable up to 45 years in case of exceptional candidates)

Eligible and interested candidates may visit [www.cmet.gov.in](http://www.cmet.gov.in) or [www.parikshaworld.com](http://www.parikshaworld.com) for detailed advertisement.

Last Date: **5 PM on 10.02.2022**

**Sd/-  
Registrar**

## **ADVERTISEMENT FOR THE POST OF TECHNICAL CONSULTANTS/RESEARCH SCIENTISTS**

Centre for materials for electronics technology is inviting application for purely temporary & contractual Technical Consultants / Research Scientists position for 3 years for Pune, Hyderabad and Thrissur labs. The appointment may be extended/curtailed depending upon the status/duration of the project. The appointment will initially be for one year and extendable as per performance review process.

### **Qualification:**

M.E. / M.Tech / Ph.D. in Physics / Chemistry / Material Sciences / Chemical Engineering / Ceramics / Nano materials / Material Sciences Engineering / Electrical Engineering / Metallurgy from a recognized University / Research Institution.

### **Experience:**

M.E./ M.Tech with minimum three-years / Ph.D. with minimum one-year post-qualification experience in the relevant field in R & D Laboratory / Universities in India / Abroad.

### **Desirable qualifications with one or more of the following:**

- (1) Novel Energy generation ( fuel cell, solar cell, thermoelectric)/ storage materials (battery, super capacitors, hydrogen)/devices / their related modelling & simulation
- (2) Additive manufacturing: 3 D printing materials especially ceramics/metal/alloys and design of 3 printers with simulation including LTCC based materials and devices.
- (3) Nanostructured materials, nanocomposites including 2D materials and devices. Glasses/ photonics materials and devices
- (4) Electro ceramic materials and devices including sensors and IOT, magnetic material meta-materials, Power Electronics & Control, Electronic circuit & system design and fabrication.
- (5) Semiconductor single crystal growth, characterization & processing.
- (6) Knowledge of Chemical and Physical Syntheses Process, Extractive Metallurgy of Refractory Metals, Magnetic Materials, rare earth, Coating Processes for functional applications, High entropy alloys and compounds with Simulation and Modelling,

(7) Novel and economical Techniques in e-waste recycling / Plant design and scaling up operations, HAZOP studies.

(8) Knowledge in purification of electronic materials through vacuum distillation/zone refining processes and their characterization

**Age:**

Not exceeding 40 years (Relaxation up to 45 years by Competent Authority for exceptional candidates)

**Monthly Emoluments**

Consolidated salary : Rs. 90,000/- (Rupees Ninety Thousand) only per month.

**GENERAL CONDITIONS:**

1. The applicant must be a Citizen of India.
2. Upper age limit is relaxable for SC/ST/OBC (non creamy layer) and Persons with disabilities, as per orders of Govt. of India issued from time to time. A candidate who claims to belong to any reserved category has to submit in support of his/her claim self-attested copy of certificate in the prescribed form issued by the competent authority specified by the central government. OBC (NCL) certificate issued should be within one year of the closing date of advertisement.
3. The prescribed essential qualifications are the minimum and mere possession of the same does not entitle candidates to be called for interview. The duly constituted Screening Committee will adopt its own criteria for short-listing the candidates. The candidate should therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualification. Such claims will only be considered if supported by valid documents. Completion of Ph.D. degree will be reckoned from the date of issue of provisional certificate/notification.
4. The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum educational qualifications prescribed for that post. The period of experience rendered by a candidate on part-time basis, daily wages, visiting/ guest faculty will not be counted while calculating the valid experience for short listing the candidates for interview. If any document/ certificate furnished in a language other than Hindi or English, a transcript of the same duly attested by a Gazetted Officer or notary is to be submitted.

5. The date for determining the upper age limit, qualifications and/ or experience etc. will be calculated as on 10<sup>th</sup> February 2022.
6. Candidates having marks expressed in CGPA etc. must convert them into their equivalent percentage of marks as per norms of the University/ Institute concerned.
7. C-MET reserves the right to revise / reschedule / cancel / suspend / postpone / withdraw the recruitment process in respect of any one or more post(s) without assigning any reason thereof. The decision of C-MET shall be final and no appeal shall lie against such decision.
8. Non-refundable application fee of Rs. 800/- for General/OBC/EWS candidates and Rs. 400/- for SC/ST/PwD/Women and other notified categories by Government of India should be paid:
  - a. The payment of the application will be made online only.
  - b. The payment will be received on Science & Technology Park, Pune account on behalf of CMET, Pune.
  - c. Once the payment is made it will not be refunded.
  - d. Payment service charges, if any, shall be borne by candidate.
  - e. C-MET is not responsible for any incomplete/ pending /failed/ multiple transactions of application fee payments. A copy of the receipt of payment may be attached alongwith the application.
9. Canvassing in any form and or / bringing in any influence, political or otherwise will be treated as a disqualification for the post.
10. Candidates must ensure before applying that they are eligible according to the criteria stipulated in the advertisement. If the candidate is found ineligible at any stage of recruitment process, he/she will be disqualified and his/her candidature will stand cancelled. Hiding of information or submitting false information will lead to cancellation of candidature at any stage of recruitment besides other action as deemed fit.
11. In case of any inadvertent mistake in the process of selection, which may be detected at any stage, even after issuing an appointment letter, the C-MET reserves the right to modify/withdraw/cancel any communication made to the applicant.
12. All applicants must fulfill the minimum educational qualifications essentially required for the position and other conditions stipulated in the advertisement. They are advised to satisfy themselves before applying for the post. No enquiry asking for advice as to eligibility will be entertained.

13. The decision of the Director General, C-MET in all matters relating to eligibility, acceptance or rejection of applications, mode of selection and conduct of interview will be final and binding on the candidates and no enquiry or correspondence or representation will be entertained from any individual.
14. Any legal proceedings in respect of any matter of claim or dispute arising out of this advertisement and / or an application in response thereto can be instituted only in Pune and courts/tribunals/forums at Pune only shall have sole and exclusive jurisdiction to try any such cause/dispute.
15. Before submitting application form, the candidates should carefully ensure that no relevant column of the application form is left blank; otherwise application is liable to be rejected. Applications which are not in conformity with the requirement indicated in the advertisement are liable to be rejected.
16. Only short-listed candidates will be called for interview. Mere fulfilling of requirement as laid down in the advertisement does not qualify a candidate to be called for interview. No correspondence or interim enquiries in this regard shall be entertained. Further details on the recruitment process shall be notified in the Website from time to time.
17. If any information furnished in the application is found to be wrong or false, the candidate will not be allowed to participate further in the selection process
18. The selected persons shall be liable to work in any of the C-MET labs situated in India.
19. The offer of appointment will be subject to verification of original certificates/testimonials and other pre-appointment formalities. If found otherwise, the candidature shall be rejected. NO REPRESENTATIONS WILL BE ENTERTAINED IN THIS REGARD.
20. Corrigendum/Amendments/changes, if any, in the advertisement shall be published only on C-MET website. Any inconsistency in the information advertised in the Newspaper and the Website, the information hosted in the Website will be treated as final.
21. The engagement is purely on contract basis in respect of above positions and confers no rights on the candidates, whatsoever, implicitly and / or explicitly for their continuation beyond contract period or regularization in C-MET. Contract may be terminated by either side with one month notice or consolidated remuneration in lieu thereof.

22. Interested candidates may submit the application online in the following link

Link: [www.cmet.gov.in](http://www.cmet.gov.in) or [www.parikshaworld.com](http://www.parikshaworld.com)

23. C-MET strives to have a workforce which reflects gender balance and women candidates are encouraged to apply.

24. Canvassing in any form will result in disqualification of candidature.

**Online Application Form Start Date: 19<sup>th</sup> Jan 2022**

**Online Application Form End Date: 10<sup>th</sup> Feb 2022**

Sd/-  
Registrar

### **Job Description for “Technical Consultant / Research Scientist”**

The duties & responsibilities to the incumbent who joins as Research Scientist in C-MET would be decided by Director of the labs where they are posted. However, it is likely that the incumbent will need to have the following responsibilities:

#### **A. Responsibilities:**

1. Developing expertise on problem solving solutions in the area of his/ her specialization.
2. Keeping up to date with relevant scientific and technical knowledge base and literature in his/her specialization.
3. Generating IPR in his/her area of specialization and protect the same through patents.
4. Publications in reputed national/International peer-reviewed journals with acceptable impact factor.
5. Assistance to senior scientist for the preparation of ToT documents as per approved procedure and formats.
6. Assistance to senior scientist for the preparation of project proposals on relevant electronic materials/devices/ systems for submitting to various Private / Government / International funding agencies.
7. Assistance to senior scientist for the preparation of project execution plan with micro details and scheduling.
8. Liaising with research and/or admin staff to complete the jobs on time.
9. He/she should work as a group member and should take other research colleagues and staff along with him for successful completion of research mandate of the laboratory.

#### **B. Desirable**

1. Scientific, analytical, technical computer & numerical skills, effective communication (both oral & written) and knowledge in latest softwares in the area of activities.
2. Should have process R&D experience with proof in the form of publications and patents in at least one of the related areas mentioned in terms and conditions.
3. Capability to transform research outcome to viable technologies for commercialization in the areas of National Interest.