



**CENTRE FOR MATERIALS FOR ELECTRONICS TECHNOLOGY**  
(Scientific Society under M/o Electronics and Information Technology, GoI)  
**Athani P.O., M.G. Kavu, Thrissur, Kerala, Pin – 680 581**  
(Tel No. 0487-2201156 – 59 (4 lines))

**NOTIFICATION OF POST**

Notification No.CMET/TH/ADM/02/2022

C-MET, Thrissur Lab, invites talented persons with research aptitude for the following posts in one of the scientific projects sponsored by Ministry of Electronics and Information Technology (MeitY), Govt. of India.

Duration of the Project : upto 13<sup>th</sup> January, 2027.

Sl. No.	Name of the Post	Nature of the Post	No. of Post	Tenure of the Post	Qualification	Age Limit	Emoluments
1.	<b>Principal Project Associate</b>	Temporary on Project based.	Three	Initially for one year and may be extended upto the completion of the Project; ie. 13 <sup>th</sup> January, 2027.	Ph.D in Chemistry/ Material Science / Physics or equivalent with four years experience in R& D in industrial or academic/research institutions in the field of 2D materials and devices, CVD, Lithography techniques, Microscopy techniques, Electrical/Electronic characterization, Clean room facilities etc	Not exceeding 35 years as on 28 <sup>th</sup> February, 2022	Rs.49000 /- <i>plus</i> HRA per month
2.	<b>Project Associate -I (A) /JRF</b>	Temporary on Project based.	Three	-do-	<b>Essential:</b> First Class/60% marks in M.Sc. Chemistry/Material Science/Physics. <b>Desirable:</b> Experience in 2D materials and devices, CVD, Lithography techniques, Material characterization, Clean room	Not exceeding 28 years as on 28 <sup>th</sup> February, 2022	Rs. 31,000/- <i>plus</i> HRA per month for JRF and Rs.25000/- <i>plus</i> HRA per month otherwise.

					facilities etc. <b>Only NET/ GATE qualified will be considered for JRF.</b>		
3.	<b>Project Associate-I (B) /JRF</b>	Temporary on Project based.	Three	-do-	<b>Essential:</b> First Class/ 60% of Marks in BE/BTech in Electronics Engg or equivalent. <b>Desirable:</b> Experience in device design and fabrication, MEMS facilities etc. <b>Only NET/ GATE qualified will be considered for JRF</b>	Not exceeding 28 years as on 28 <sup>th</sup> February, 2022	Rs. 31,000/- <i>plus</i> HRA per month for JRF and Rs.25000/- <i>plus</i> HRA per month otherwise.
4.	<b>Project Assistant</b>	Temporary on Project based.	Six	-do-	First Class/60% of Marks in Diploma in Electrical/Electronics/ Mechanical Engg. <b>Desirable:</b> Experience in device design and fabrication, operating and maintaining sophisticated equipments and facilities etc	Not exceeding 26 years as on 28 <sup>th</sup> February, 2022	Rs. 20,000/- <i>plus</i> HRA per month
5.	<b>Project Manager for Clean Room</b>	Temporary on Project based.	One	-do-	Doctoral degree in Chemistry/Physics/Materials Science/Electronic Science or Masters Degree in Engineering or Technology in Electrical/Electronics/Instrumentation/ Mechanical with	Not exceeding 55 years as on 28 <sup>th</sup> February, 2022	Rs. 1,25,000/- per month (consolidated)

					<p>20 years of R&amp;D experience in academics/research institution/industries.</p> <p>The required experience should be in ;-</p> <p>a. Managing advanced class-100 or 1000 clean room facility or micro/nanofabrication facility with core responsibilities in operations and handling of sophisticated instruments and other facilities including clean room utility sections and related technologies (HVAC, Electrical, Gas lines , DI water plant, nitrogen plant etc.)</p> <p>b. Working experience in systems for Electronic Device fabrication &amp; Characterizations such as Deposition techniques/PECVD/Sputtering , Lithography, Diffusion, Reactive Ion Etching, AFM, FESEM, Raman Microscope, Electrical/Electronic Characterization etc.</p> <p>c. Expertise in building Management system, chemical handling, Leakage and safety etc.</p>		
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**Nature of Work:-**

The general nature of duties includes but not limited to the following:

**(i) Principal Project Associate**

- The Principal Project Associate will have to support the Chief Investigators in achieving the targets and deliverables of the project in a time bound manner.
- He/she will have to handle/manage internal projects/product developments within the IICG project in association with collaborating institutes/industries.
- He/she has to involve in the project planning and implementation, co-ordination between other researchers/collaborators/industries, manage research staff working with them, look after operation and maintenance of sophisticated equipments, characterization and analysis of samples, etc.

**(ii) Project Associate – I (A)/JRF**

The Project Associate will have to involve in material synthesis, characterization and analysis, development of materials for required applications, operation and maintenance of sophisticated equipments and facilities, development of various 2D materials and devices etc.

**(iii) Project Associate – I (B)/JRF**

The Project Associate will have to engage in the designing and development of various circuits, components and devices, Electrical and Electronic characterization of materials/components and devices, micro/nano fabrication of components and devices, operation and maintenance of sophisticated equipments and facilities, development of various 2D materials and devices etc.

**(iv) Project Assistant**

Project Assistant will have to support in the design and development of various circuits, components and devices, Electrical and Electronic characterization of materials/components and devices, micro/nano fabrication of components and devices, operation and maintenance of sophisticated equipments and facilities, development of various 2D materials and devices etc.

**(v) Project Manager for Clean room**

- Day to day management of the research facility, housing a large number of sophisticated semiconductor equipments.
- Maintaining Clean Room Facilities (Lithography systems, Etching systems, Deposition systems such as CVDs, Sputtering, Spin coating, Microscopes such as AFM, FESEM, Diffusion systems, Wire bonders, Profilometers, Furnaces etc.).
- Servicing and Maintenance of equipment and other related tools – Preventive and Breakdown.
- Tool time scheduling and managing productivity improvements
- Planning and organizing for optimum utilization of laboratory equipments.
- Ensuring the users follow the class 100 & Class 1000 lab standards and safety regulations.

- Maintaining laboratory stocks (substrates, chemicals, consumables and other supplies etc.)
- Managing other manpower recruited in the project and allotted to work in the facility.
- Coordination between Researchers, Collaborators, Facilities & Manpower.
- Periodic orientation of new researchers, students and other users for laboratory protocols.
- Training for handling the equipments and safety awareness on regular basis

#### **General Terms and Conditions:**

1. All the Posts are purely temporary and the appointment will be initially for a period of One Year and may be extended upto the completion of the Project. However, the performance of the staff will be reviewed on completion of six months service to decide the suitability of further retention. If found not suitable for further retention she/he will be terminated without any notice.
2. On appointment, it will not confer any right on the appointee for claim for regular appointment.
3. Appointment of candidates are subject to verification of original documents.
4. Selected candidate will be required to produce a medical certificate of fitness in the prescribed form, from a Government Doctor not below the rank of Civil Surgeon and character certificates from two Gazetted Officers working in Central/State Government at the time of joining the post.
5. Selected candidate will be required to report for duty as mentioned in the offer (normally within 10 days from the date of offer) and no extension will be given.
6. Selected candidate will be required to work till the completion of the project and resigning from the post during the currency of the project period shall not normally be entertained.

The interested applicants may apply through our on-line portal in our web site [www.cmet.gov.in](http://www.cmet.gov.in). Only online application is acceptable. Self attested photocopies of proof of date of birth, educational qualification(s) and experience should be uploaded with the application form. The print out of the application submitted online, along with the supporting documents shall be sent through post to **The Administrative Officer, Centre for Materials for Electronics Technology, Shornur Road, Athani, Mulankunnathukavu P.O., Thrissur-680581, Kerala. The last date of receipt of application is 14<sup>th</sup> March, 2022.** Only those candidates who are screened in by a Committee will be considered for Interview, for final selection. In case of number of candidates are high, written test may be conducted. The decisions of the Screening/Selection Committee are final and binding on all stakeholders. Influence in any manner will be treated as disqualification. All communications will be through online only and hence the applicants shall provide their e-mail address clearly in the application format. It is the sole responsibility of the candidates to periodically check the website of C-MET/their e-mail for any further information in this respect.

Sd/-  
**Administrative Officer**