



सी.एस.आई.आर.–राष्ट्रीय भौतिक प्रयोगशाला
CSIR-NATIONAL PHYSICAL LABORATORY
 (वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
 (Council of Scientific & Industrial Research)
 डॉ. के.एस. कृष्णन् मार्ग, नई दिल्ली – 110012
 Dr. K.S. Krishnan Marg, New Delhi – 110012



Advertisement No.Rectt./02/2024
“WALK-IN-INTERVIEW TO BE HELD ON 13/08/2024 & 14/08/2024

CSIR-NPL, New Delhi (a constituent laboratory of CSIR) desires to recruit qualified incumbents for purely temporary and contractual positions under the various ongoing externally funded & time targeted sponsored projects, the details of which are given below:-

Day-1 (Walk in Interview for the post code 1.0 to 14.0 will be held on 13th August, 2024

Post code	Post & No. of positions	Essential Educational Qualification	Desirable	Job description	Project /Scheme Title	Tenure of project & Emoluments/ stipend per month	Age as on 13/08/24
1.0	Project Assistant Two (02)	Three Year Diploma in Instrumentation.	Minimum 01 year experience in electronic instruments	Technical Support in development and testing of instrument	Development and Testing of Light Weight Scattering Coefficient Counter for Airborne Observations over Varied Environment	Rs 20,000/-+ HRA (up to 31.03.2026)	50 Years
2.0	Project Associate-I One (01)	M.Sc. in Electronics / B.E./ B.Tech. in Electronics / Instrumentation from a recognized University with CSIR-UGC NET including Lectureship or GATE OR Bachelor's degree in Electronics / Instrumentation from a recognized University	Preference will be given to GATE qualified or candidates with experience in Biomedical.	Testing, calibration & Integration of reference system for calibration of incubator analyzer & baby incubator.	Biomedical equipment standard for the calibration of Incubator Analyzer and Incubator	Rs. 31,000/-+ HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (up to 31.03.2026) OR Rs. 25,000/-+ HRA (up to 31.03.2026)	35 Years

3.0	Project Associate-II One (01)	B.Tech. in (Electronics) and two years experience with CSIR-UGC NET including Lectureship or GATE	Experience in opto - Electronics	Technical Support in development and testing of instrument	Development and Testing of Light Weight Scattering Coefficient Counter for Airborne Observations over Varied Environment	Rs. 35,000/- + HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (up to 31.03.2026)	35 Years
4.0	Project Associate-II Two (02)	M.Tech. / M.E. CSE / IT / ECE or equivalent and two years experience with CSIR-UGC NET including Lectureship or GATE OR B.Tech. / BE in CSE / IT / ECE or equivalent and two years experience	1.Programming languages python, C, C++, JAVA 2. GNSS Rx architecture	Development of required instrument software and user interface to be developed in python and Java for the equipment.	Development of NavIC based IST traceable Primary Reference Time Clock (PRTC)	Rs. 35,000/- + HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (up to 15.11.2025) OR Rs. 28,000/- + HRA (up to 15.11.2025)	35 Years
5.0	Project Associate-I One (01)	M.Sc. in Electronics or M.Sc. in Physics (with specialization in electronics) or B.E. / B.Tech. (Electronics / Electronics Electrical / Electronics & Communication) with CSIR-UGC NET including Lectureship or GATE OR M.Sc. in Electronics or M.Sc. in Physics (with specialization in electronics) or B.E./ B.Tech. (Electronics / Electronics Electrical / Electronics & Communication)	Experience in embedded systems and software like visual basic, labview, etc.	Design and development of automated electro-mechanical system	Fabrication of Sphygmomanometer testing kits to be used for calibration and testing of sphygmomanometers and automated blood pressure measuring devices	Rs. 31,000/- + HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (up to 22.10.2026 Likely to be extended) OR Rs. 25,000/- + HRA (up to 22.10.2026 Likely to be extended)	35 Years

6.0	Research Associate-I One (01)	Ph.D in Electronic communication / Electronic engineering with at least one research paper in SCI journal.	Microwave measurements specially antenna design characterization and materials measurements.	Involved in microwave measurements especially in antenna design, material measurements and other microwave characterization	Developing Expertise and Leveraging Terahertz Technology Advancements in CSIR (DELTA)	Rs. 58,000/- +HRA (up to 31.03.2027)	35 Years
7.0	Project Associate-II Three (03)	B.Tech. / B.E. in CSE / IT / ECE / ETE or equivalent and two years experience with CSIR-UGC NET including Lectureship or GATE. OR B.Tech. / B.E. in CSE / IT / ECE / ETE or equivalent and two years experience	Work experience in Software development, Networking, IT infrastructure, H/W maintenance. Having good knowledge of English	Maintenance and monitoring of NTP infrastructure; Development of software tools; Log/Data Analysis; Technical Documentation, etc.	Strengthening of Network Time Dissemination Services for Nation-Wide Dissemination of IST	Rs. 35,000/-+ HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (up to 31.03.2026) OR Rs. 28,000/- + HRA (up to 31.03.2026)	35 Years
8.0	Project Associate-II One (01)	Bachelor's degree in Computer / Electrical / Electronics from a recognized university or equivalent and two years experience.	Proficiency in computer programming languages Experience in science outreach program. Data management.	Assistance and Management in science demonstrations and outreach program of the institute.	CSIR Jigyasa 2.0 Virtual Laboratory Integration.	Rs. 28,000/-+ HRA (up to 31.03.2026)	35 Years

9.0	Project Associate-I One (01)	<p>B.Tech / BE in ECE / Computer Science/AI/ML or equivalent with CSIR-UGC NET including Lectureship or GATE</p> <p style="text-align: center;">OR</p> <p>B.Tech / BE in ECE /Computer Science/AI/ML or equivalent</p>	Well proven work experience in engineering projects related to automation, telecommunications, instrumentation, or electronics. Having good knowledge of English	<p>a). The selected candidate may undergo training at ISRO Navigation Centre, Byalalu, Bengaluru. Candidate needs to stay at Bengaluru during the training period.</p> <p>(b). Candidates are required to specify their preferred work city from the following options: Delhi Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, in their applications.</p> <p>(c). Following the training period, candidates will be assigned to CSIR-NPL Delhi, DRC Bengaluru, or any of the five RRSLs located in Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, based on project requirements and the indicated city preference in their application.</p> <p>Place of Posting: Bengaluru (for training), and subsequent postings based on project requirements and the candidate's specified city preference.</p>	Development of timing laboratories of Legal Metrology Department (LM) traceable to National Time Scale generating IST at five locations and creation of one disaster recovery center	<p>Rs. 31,000/-+ HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.</p> <p style="text-align: center;">(up to 31.03.2025)</p> <p style="text-align: center;">OR</p> <p>Rs. 25,000/- + HRA</p> <p style="text-align: center;">(up to 31.03.2025)</p>	35 Years
-----	---------------------------------	---	--	--	--	---	-----------------

10.0	Project Assistant Three (03)	Three Year Diploma in ECE/CS/IT	Well proven work experience in optical fibers, LAN, WAN, H/W maintenance, basic programming skills, C++, JAVA. Having good knowledge of English.	<p>(a). The selected candidate may undergo training at ISRO Navigation Centre, Byalalu, Bengaluru. Candidate needs to stay at Bengaluru during the training period.</p> <p>(b). Candidates are required to specify their preferred work city from the following options: Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, in their applications.</p> <p>(c). Following the training period, candidates will be assigned to CSIR-NPL Delhi, DRC Bengaluru, or any of the five RRSLs located in Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, based on project requirements and the indicated city preference in their application.</p> <p>Place of Posting: Bengaluru (for training), and subsequent postings based on project requirements and the candidate's specified city preference.</p>	Development of timing laboratories of Legal Metrology Department (LM) traceable to National Time Scale generating IST at five locations and creation of one disaster recovery center	Rs 20,000/-+ HRA (up to 31.03.2025)	50 Years
------	---------------------------------	------------------------------------	---	---	---	--	-----------------

11.0	Research Associate-I One (01)	Ph.D. in Electronic and Communication with at least 01 SCI publication.	RF and Microwave measurements, computational electromagnetic.	Involved in microwave measurements especially in antenna design, material measurements and other microwave characterization and computation.	ISO17025:2017 Accreditation of Antenna, Radome and RCS Measurement facilities at RCI Hyderabad.	Rs. 58,000/- + HRA (up to 31.07.2025)	35 Years
12.0	Senior Research Fellow One (01)	M. Tech in electronic and communication with CSIR-UGC NET including Lectureship or GATE and two years of experience.	RF and Microwave measurements, computational electromagnetic	Involved in microwave measurements especially in antenna design, material measurements and other microwave characterization and computation. <i>The selected candidate may depute RCI Hyderabad</i>	ISO17025:2017 Accreditation of Antenna, Radome and RCS Measurement facilities at RCI Hyderabad	Rs. 42,000/- + HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. Such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc. (up to 31.07.2025)	32 Years
13.0	Junior Research Fellow One (01)	M. Tech in electronic and communication with CSIR-UGC NET including Lectureship or GATE	RF and Microwave measurements, computational electromagnetic	Involved in microwave measurements especially in antenna design, material measurements and other microwave characterization and computation. <i>The selected candidate may depute RCI Hyderabad</i>	ISO17025:2017 Accreditation of Antenna, Radome and RCS Measurement facilities at RCI Hyderabad	Rs. 37,000/- + HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. Such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR,IIT, IISc, IISER,NISER etc. (up to 31.07.2025)	28 Years
14.0	Junior Research Fellow One (01)	M. Tech in Computer Science/IT with CSIR-UGC NET including Lectureship or GATE	RF and Microwave measurements, computational electromagnetic	Involved in microwave measurements especially in antenna design, material measurements and other microwave characterization and computation	ISO17025:2017 Accreditation of Antenna, Radome and RCS Measurement facilities at RCI Hyderabad	Rs. 37,000/- + HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. Such as DST,DBT,DAE,DOS, DRDO, MoE, ICAR, ICMR,IIT, IISc, IISER,NISER etc. (up to 31.07.2025)	28 Years

Day-2 (Walk in Interview for the post code 15.0 to 23.0 will be held on 14th August, 2024

Post code	Post & No. of positions	Essential Educational Qualification	Desirable	Job description	Project /Scheme Title	Tenure of project & Emoluments/ stipend per month	Age as on <u>14/08/24</u>
15.0	Project Associate-II One (01)	M.Sc. (Environment management / science, physics, chemistry) and two years experience	Experience of handling air quality measurement instruments, related analysis / wet chemical methods, understanding of related ISO / IS / EPA standards, Etc.	Calibration of samplers / analyzers, collocating sampling, instrument, maintenance and handling, data analysis, report preparation.	Performance testing of air monitoring devices	Rs. 28,000/-+ HRA (up to 16.05.2025)	35 Years
16.0	Project Associate-II Two(02)	Master's Degree in Physics / Applied Physics, and two years experience with CSIR-UGC NET including Lectureship or GATE.	Experience of working in terahertz / Ultrafast	Selected candidates need to do terahertz measurements, taking data Analysis, etc.	Developing expertise and leveraging terahertz technology advancements in CSIR (DELTA)	Rs. 35,000/- +HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (up to 31.03.2027)	35 Years
17.0	Junior Research Fellowship Three (03)	M.Sc. Physics / Applied Physics / Electronics / Instrumentation with CSIR-UGC NET including Lectureship or GATE.	NA	The Fellowships will exclusively be awarded for Ph.D. courses in the research area of 'Solar photovoltaic cells' under National Renewable Energy fellowship (NREF) of MNRE.	National Renewable Energy Fellowship" (NREF) programme	Rs. 37,000/- +HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. Such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc. (up to 31.03.2029)	28 Years

18.0	Junior Research Fellowship One (01)	M.Sc. Physics / Applied Physics / Electronics / Instrumentation with CSIR-UGC NET including Lectureship or GATE.	Preference will be given to the candidates with experience in solar photovoltaics	Development of appropriate technology to improve the PID (Potential Induced Degradation) resistance of solar cell through the utilization of dielectric barrier layers by PVD methods and assessment of PID (Potential Induced Degradation) resistance of the developed technology	Development of Indigenous PID-resistant Technology for Solar Cells	Rs. 37,000/- +HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. Such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR,IIT, IISc, IISER,NISER etc. (up to 27.03.2027)	28 Years
19.0	Junior Research Fellow One (01)	M.Sc. (Physics) with CSIR-UGC NET (Lectureship) or GATE	Knowledge of ultra-high vacuum, thin film deposition	Design & growth of III-Nitride Semiconductors using molecular beam epitaxy & their characterizations	High output power emitters and sensitive detectors based on AlGaIn nano-heterostructures for deep – ultraviolet radiation towards biological application	Rs. 37,000/- +HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. Such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR,IIT, IISc, IISER,NISER etc. (up to 18.10.2026)	28 Years
20.0	Project Associate-I One (01)	Master Degree in Chemistry / Material Science from a recognized University or equivalent with CSIR-UGC NET including Lectureship or GATE	0-2 Year experience in analytical characterization and experience in chemical analysis, analytical instruments, metal extraction, electrodeposition	The selected candidate will work in the area of chemical analysis, solvent extraction, electrodeposition and metallurgy related project activity	Extraction and separation of rare earth elements from coal fly ash using Ionic Liquids for multifunctional applications	Rs 31,000/-+ HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (up to 13.05.2027)	35 Years
21.0	Project Associate-II One (01)	M.Sc. in Physics and two years experience with CSIR-UGC NET including Lectureship or GATE	Nil	Design and development of 3D Scanning lidar, development of control software and analysis software for the 3D scanning lidar	Design and Feasibility Study of 3D Scanning Lidar for Airport Applications	Rs. 35,000/- + HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. (up to 31.03.2026)	35 Years

22.0	Senior Research Fellow One (01)	M.Sc. in Applied physics/ physics with CSIR-UGC NET including Lectureship or GATE and two years of experience	Vapor cell development and SAS measurement, Electromagnetic induced Transparency based measurements	Involved in study, development and characterization of vapor cell	Development and characterization of Vapor Cell of assorted sizes (25mm, 15mm, 10mm) and shapes (Cylindrical, Rectangular/ square) with and without and buffer gas with atomic density between $10^{10} - 10^{15} \text{ cm}^{-3}$	Rs. 42,000/- + HRA to scholars who are selected through (a) National Eligibility Tests: CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions. Such as DST, DBT, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc. (up to 31.01.2026)	32 Years
23.0	Research Associate-I One (01)	Ph.D. in Physics with at least 01 SCI publication	Vapor cell development and measurement, LASER Atom interaction Measurements	Involved in study, development and characterization of vapor cell	Development and characterization of Vapor Cell of assorted sizes (25mm, 15mm, 10mm) and shapes (Cylindrical, Rectangular / square) with and without and buffer gas with atomic density between $10^{10} - 10^{15} \text{ cm}^{-3}$	Rs. 58,000/- + HRA (up to 31.01.2026)	35 Years

Instructions and Information for Candidates

1. Eligibility Criteria: The applicant must be a citizen of India.
2. Only those Candidates who have completed the essential qualification for whom the result has been declared are eligible to apply. Result awaited/Final semester appeared or appearing/Ph.D submitted etc. are not eligible to apply for any post. Experience if required in any post should only be post-qualification experience.
3. The total duration for which Project staff could be engaged will be for the duration of each project. Where the duration of the Sponsored/Consultancy Project is less than 5 years, the services will be co-terminus with the duration of the project. There would be no automatic shifting of Project staff from one project to another. On completion of the tenure in one project, in case, one wants to apply for engagement in another project, he/she will have to go through the process of selection by submitting a fresh application under the new project. Appointment under the new project would be made only after submission of 'No Demand Certificate' and 'No Dues Certificate' in the previous project and submission of resignation from the previous project. The maximum duration, for which any Project staff could be engaged in different projects taken together, will be 5 years, i.e. the total period of five years of engagement of any Project staff in different projects taken together should be counted from initial date of engagement in a project onwards. The performance of the Project staff would be reviewed periodically so that any one not found up to the mark, could be replaced. As such, the offer of appointment will be given for short duration i.e. 6- months/1 year, which may be extended further based on the recommendations of the concerned Principal Investigator (PI).
4. There would be no component of increment etc. for Project staff and the consolidated remuneration to be paid to Project staff may be called "Stipend".
5. A Candidate may apply for maximum of 02 (Two) posts. Separate application may be submitted for each post code if a candidate is desirous of applying for more than 01 (One) Post.

Mode of Selection:

6. If a large number of applications are received then the Candidates will be shortlisted by a screening committee based on academic qualification and /or experience. In case of short listing done by screening committee, the committee will adopt its own criteria for bringing down the number of candidate to be called for interview.
7. In case the final certificates reflect CGPA, GPA, etc, in that case, the candidate should convert the same in to equivalent percentage as per the approved formula of the university in the application and a copy of such conversion formula must be attached alongwith the application.
8. Relaxation of age for SC/ST/ OBC /PWD /Women: Age limit for Project staff shall be as advertised with relaxation for statutory groups and women as per GOI/CSIR rules.
9. CSIR-NPL reserves the right to cancel or withdraw the Offer of engagement in case of any discrepancy found, in the candidature of any empanelled candidate at any stage.
10. Other terms & conditions will be governed as per guidelines issued by the funding agency/CSIR Hqrs., for the engagement of above Project Staff as amended from time to time.
11. The candidates will be free to answer in Hindi during interview.
12. Eligible candidates may appear together with downloaded application form duly filled-up, for “Floating (Walk-in) Interview” on the dates and areas as mentioned above between 09.00 AM to 10.00 AM (candidate will not be entertained after 10.00 AM under any circumstance) in the Auditorium of the laboratory, with complete application giving the full details inclusive of marks starting from secondary examination onwards along with latest passport size photograph, original and self attested copies of all certificates/testimonials. Candidates belonging to SC/ST/OBC/PwBD should bring copies of certificates in the proper format issued by the appropriate authority as per the latest instructions issued on the subject.
13. Incomplete/wrong information, detected at any stage, would render the candidate liable to rejection.
14. No interim communication will be allowed.
15. Director CSIR-NPL reserves all the rights to cancel recruitment of any or all of the positions advertised above at any stage and reject any application without assigning any reason whatsoever.
16. Total tenure of engagement (current as well as service rendered earlier in CSIR-NPL and/or any other CSIR lab/ hqtrs., taken together), will be limited to 5 years only.
17. All those candidates who are continuing as Project Staff in CSIR-NPL labs in any project will only be considered for interview on submission of the “**No objection certificate**” from current concerned PI of the project.
18. Canvassing in any form and/or bringing any influence political otherwise will be treated as a disqualification for the post.
19. In case of false information received application, the competent authority will cancel the candidature of the applicant and debarred for attending the interview in future.
20. Position Code will be cancelled if funds are not available in the advertised concerned project.
21. For availing reservation under the OBC category candidate is required to bring OBC certificate from competent authority clearly indicating that he/she belongs to the Non – Creamy Layer Statement of Family Income for the previous year from all sources should also be mentioned in the certificate. The OBC (Non-Creamy Layer) certificate should be issued before date of interview from the competent authority.

NOTE:

1. Candidate should go through the advertisement carefully to check their suitability in the area.
2. In case a candidate fails to produce any of the above mentioned documents/testimonials in original at the time of registration, he/she shall not be allowed to register for the further process.
3. The posts for various projects that are advertised are purely contractual. The positions advertised are provisional and subject to ascertaining the availability of funds under the respective projects before the declaration of results and issue of engagement letter.