



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



Advertisement No.Rectt./03/2025
“WALK-IN-INTERVIEW” TO BE HELD ON 14/10/2025 & 15/10/2025

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: -

Walk in Interview for the post code 1.0 to 8.0 will be held on 14th October, 2025.

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 14/10/2025
1.0	Project Associate- II (PAT-II) One (01)	B.Tech in Electronics & Communication Engineering from a recognized University With Two (02) years experience in research and development in industrial and Academic Institution or Science and Technology Organizations and Scientific activities and services.	Technical Expertise in Installing, operating and maintaining environmental monitoring instruments, preferably Air samplers or similar air quality monitoring devices & experience in Operating Systems Skills in Installing and configuring operating systems.	Calibration of samplers/analyzers, collocating sampling, instrument, maintenance and handling data analysis, report preparation.	Study of seasonal variation of ozone precursors in relation with surface ozone over Delhi, a mega city.	a) Rs. 35,000/- + HRA For those candidates who have qualified CSIR-UGC/ICAR/ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT/DST or equivalent and/ or their Agencies/ Institutions. OR b) Rs. 28,000/- + HRA for others who do not fall under (a) above (up to 31.03.2026)	35 Years

2.0	Project Associate- II (PAT-II) Two (02)	(i) M.Sc. in Computer Science, AI, Electronics, Instrumentation or related disciplines. and 02 years' experience in Research and Development in Industrial and Academic Instructions or Science and Technology Organizations and Scientific activities and services. OR B.Tech. /B.E. in Computer Science, IoT, Electronics, Instrumentation, Artificial Intelligence, Data Science or related disciplines. and 02 years' experience in Research and Development in Industrial and Academic Instructions or Science and Technology Organizations and Scientific activities and services.	Design and Development of AI/ML models, thermocouples and AMR sensors data acquisition systems. understanding of Metrological principles and uncertainty evaluation.	To work in interdisciplinary domain including metrology, AI/ML, and uncertainty quantification. Responsibilities will include literature reviews, data acquisition system design/ Sensor network design and development, dataset preparation, model development, validation, and reporting.	CSIR League for AI-based Industrial Manifestation (CLAIM)	Rs. 35,000/- + HRA (a) For those candidates who have qualified CSIR-UGC/ICAR/ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT/DST or equivalent and/ or their Agencies/ Institutions. (b) Rs. 28,000/- + HRA for others who do not fall under (a) above (up to 31.03.2028)	35 Years
3.0	Project Associate- I (PAT-I) One (01)	(i) M.Sc. in Computer Science, AI, Electronics, Instrumentation or related disciplines. OR B.Tech./B.E. in Computer Science, IoT, Electronics, Instrumentation, Artificial Intelligence, Data Science or related disciplines.	Design and Development of AI/ML models, thermocouples and AMR sensors data acquisition systems. understanding of Metrological principles and uncertainty evaluation.	To work in interdisciplinary domain including metrology, AI/ML, and uncertainty quantification. Responsibilities will include literature reviews, data acquisition system design/ Sensor network design and development, dataset preparation, model development, validation, and reporting.	CSIR League for AI-based Industrial Manifestation (CLAIM)	Rs. 31,000/- + HRA (a) For those candidates who have qualified CSIR-UGC/ICAR/ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT/DST or equivalent and/ or their Agencies/ Institutions. (b) Rs. 25,000/- + HRA for others who do not fall under (a) above (up to 31.03.2028)	35 Years

4.0	Project Assistant- II (PA-II) Two (02)	Three (03) year Diploma in Electronics and Communication Engineering (ECE)/Electronics/Instrumentation.	Experience in Design, Development and testing of basic electronics circuits, handling of sophisticated instruments and working knowledge of MS-office.	Integration and handling of precision electronics measurement devices/systems and data analysis.	Quantum Metrology for Realization of SI Units and Allied Parameters for Boosting International Trade and Industrial Growth of the Nation Strengthening and Modernization of metrology through Research and Technology Harmony(SAMARTH).	Rs. 20,000/-+ HRA (Increment 15% after three years' experience in the same project) (up to 31.03.2028)	35 Years
5.0	Project Associate- I (PAT-I) One (01)	Master's Degree in Physics/Applied Physics/Electronics/Instrumentation or B.E. / B.Tech in Electronics / Electronics and Communication Engineering (ECE).	Experience in Design, Development, Precision measurements, data acquisition and programming.	Design and Establishment of required measurement setup, Precision measurements and analysis various parameters for establishment of temperature standards.	Fabrication, and establishment of testing and calibration facility for clinical thermometers (liquid-in -glass, electrical and IR) with the maximum device for the five RRSLS laboratories.	Rs. 25,000/- + HRA (up to 22.10.2026)	35 Years
6.0	Project Associate-I (PAT-I) One (01)	Master's Degree in Computer Applications	NA	Setting up the Gas Sensor Testing and Certification Facility and maintaining the Quality Management system.	Gas Sensor Testing and Certificate Facility (GaSTeC Facility).	Rs. 25,000/-+HRA (up to 10.07.2029)	35 Years
7.0	Senior Research Fellowship (SRF) One (01)	M.Tech in CSE/IT or B. Tech. in CSE/IT or MCA With Two (02) Years of Research Experience and selected through a process described through any one of the following; - a) Scholars who are selected through National Eligibility Tests- CSIR - UGC NET including lectureship (Assistant Professorship) and GATE. b) The 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 etc.	Knowledge & experience in developing algorithms for image processing, ML & Python.	Development of algorithms for deep-sea underwater exploration.	Exploration of Deep-Sea Environments in Unconstructed Underwater Scenarios.	Rs. 42,000/-+ HRA (up to 14.07.2027)	32 Years

8.0	Junior Research Fellowship (JRF) One (01)	B. Tech. in CSE/IT OR MCA OR M. Tech. (CSE/IT) selected through a process described through any one of the following; - a) Scholars who are selected through National Eligibility Tests- CSIR-UGC NET including lectureship (Assistant Professorship) and GATE. b) The 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 etc.	Knowledge of image processing, computer vision, machine learning & python.	Development of algorithms for deep-sea underwater exploration.	Exploration of deep-sea Environments in Unconstructed Underwater Scenarios.	Rs. 37,000/- + HRA (up to 14.07.2027)	28 Years
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Walk in Interview for the post code 9.0 to 18.0 will be held on 15th October, 2025.

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 15/10/2025
9.0	Junior Research Fellowship (JRF) Three (03)	M.Sc. Physics / Applied Physics / Electronics / Instrumentation selected through a process described through any one of the following; - a) Scholars who are selected through National Eligibility Tests- CSIR-UGC NET including lectureship (Assistant Professorship) and GATE. b) The 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 etc.	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 (up to 31.03.2030) (02 Years of JRF + 03 Years of SRF)	28 Years
10.0	Project Associate- I One (01)	M.Sc. Physics	Thin film deposition by any PVD technique. PLD experience will have preference.	Thin film deposition by PLD and their low and ultralow temperature transport measurements and the data analysis.	Tunneling spectroscopy and microwave measurements to investigate the superconducting phase of new STO based oxide interfaces.	Rs. 37,000/- + HRA (a) For those candidates who have qualified CSIR-UGC/ICAR/ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT/DST or equivalent and/ or their Agencies/ Institutions. (b) Rs. 30,000/- + HRA for others who do not fall under (a) above (up to 31.03. 2028)	50 Years
11.0	Project Assistant- II (PA-II) One (01)	B.Sc. (PCM)	Experience of working with EXCEL PowerPoint, MS Word etc. M.Sc. (Physics) will be preferred.	Selected candidates need to do help in skill Training programs.	CSIR Integrated Skill Initiative Programme.	Rs. 20,000/- + HRA (Increment 15% after three years' experience in the same project) (up to 31.03.2030)	35 Years

12.0	Project Scientist- I (PS-I) One (01)	i) Doctoral Degree in material Science/ Physical Sciences/ Physics /Nanotechnology. and Four (04) years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services. OR ii) M. Tech in electronics and Communication Engineering/ Nanotechnology/Material Science and Four (04) years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services.	Nanofabrication work using ICP-RIE/EBL, Thin film deposition in vacuum, clean room experience.	Nanofabrication instrumentation installation and maintenance and nanofabrication in clean room.	Quantum Metrology for Realization of SI Units and Allied Parameters for Boosting International Trade and Industrial Growth of the Nation Strengthening and Modernization of metrology through Research and Technology Harmony (SAMARTH).	Rs. 56,000/- + HRA Increment of 5% for every 2 years of experience in the same project. (up to 31.03.2028)	35 Years
13.0	Project Associate- I (PAT-I) One (01)	M.Sc. (Chemistry)	NA	To perform experiments and data analysis related to pitch based carbon fibers.	Coal tar pitch based fibers and its conversion into carbon fibers.	Rs. 25,000/- + HRA (up to 07.01.2026)	35 Years
14.0	Project Associate- I (PAT-I) One (01)	M.Sc. in Electronics or M.Sc. in Physics (with specialization in electronics) Or B.E./B.Tech (Electronics or equivalent) CSIR-UGC NET including lectureship or valid GATE. OR M.Sc. in Electronics or M.Sc. in Physics (with specialization in electronics) or B.E./B.Tech (Electronics or equivalent).	Experience in embedded systems and software like visual basic, lab view, etc.	Design and development of automated electro-mechanical system and software development in visual basic. NET.	Fabrication of sphygmomanometer testing kits to be used for calibration and testing or sphygmomanometers and automated blood pressure measuring devices.	Rs. 31,000/- + HRA (a) For those candidates who have qualified CSIR-UGC/ICAR/ICMR NET incl. lectureship/assistant professorship or GATE OR those who have qualified National level examinations conducted by Central Government Departments like DBT/DST or equivalent and/ or their Agencies/ Institutions. (b) Rs. 25,000/- + HRA for others who do not fall under (a) above (up to 22.10.2026) likely to be revised.	35 Years

15.0	Project Scientist-II (PS-II) One (01)	Doctoral Degree in Science or Masters/Integrated Master's in Engineering and Technology from Recognized University or equivalent and Five-year (05) experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services.	NA	Setting up the Gas Sensor Testing and Certification Facility and maintaining the Quality Management system.	Gas Sensor Testing and Certificate Facility (GaSTeC Facility).	Rs. 67,000/-+HRA increment of 5% for Every 2 years of Experience in the same project (up to 10.07.2029)	40 Years
16.0	Senior Project Associate One (01)	Master's / Integrated Master's Degree in Physics/ Chemistry/ Nanotechnology and 3-year Experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organizations and Scientific activities and services. or Ph.D. degree in Physics from a recognized University or equivalent.	NA	Setting up the Gas Sensor Testing and Certification Facility and maintaining the Quality Management system.	Gas Sensor Testing and Certificate Facility (GaSTeC Facility).	Rs. 42,000/-+HRA (up to 10.07.2029)	40 Years
17.0	Project Associate I (PAT-1) One (01)	M.Sc. Physics.	Synthesis and characterization of carbon nanomaterials, experimental knowledge of solid-state physics.	Day today experimental research and other work related to project.	Nanostructured Carbon Materials and their application in Optical Detection Systems.	Rs 25,000/- +HRA (up to 13.08.2027)	35 Years
18.0	Project Associate- I (PAT-1) One (01)	M.Sc. (Organic Chemistry).	NA	Development of graphite composite plates for using needle coke.	Development and fabrication of bipolar plates using needle coke.	Rs 25,000/- +HRA (up to 27.08.2026)	35 Years

Instructions and Information for Candidates

Eligibility Criteria:

1. 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 candidates who have already been engaged in CSIR - NPL or any other Lab./Instt. of CSIR as Project Staff for a period of 6 years or more are not eligible for the above engagements. The candidates who have been engaged for a period lesser than 6 years, upon selection, their tenure will automatically end on completion of (06) six years. Selected Candidate(s) will be engaged initially for a certain period against the respective project. which may be curtailed or extended at the discretion of the competent authority, CSIR - NPL. 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 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/ 01 years, 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.
6. Women project personnel shall be eligible for maternity leave of 180 days and the male project personnel shall be eligible for paternity leave of 15 days only in case of two surviving children as per CSIR norms. Further, the Project Staff shall be paid the stipend for the period of aforesaid leave only after re-joining the office after availing such leave and submission of relevant medical reports/documents.
7. The project personnel may be allowed to register for higher degree (i.e. Ph. D) as per the policy of the Institute, if they fulfill all the requirements laid down for such purposes, provided that the project duration is at least 3 years or more, apart from any other conditions laid down by the concerned Institute/Laboratory. The permission to register for Ph. D. is subject to the condition that the work of the project is not affected and it will be without any financial obligation to CSIR/Project. The tenure of the project personnel shall not be extended merely on the ground that he/she has not completed the Ph.D.

Mode of Selection:

8. 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.
9. 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.
10. 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.
11. 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.

12. The candidates will be free to answer in Hindi during interview.
13. **Relaxation of age for SC/ST/ OBC /PwBD / Women: Age limit** for Project staff shall be as per GOI rules.

Engagement

14. The engagement shall be initially for a short duration based on availability of funds which may be extended or curtailed based on the conduct and the performance of the incumbent as well as requirement of the institute. However, the engagement will not be beyond the tenure of the project and shall expire automatically on the expiry of project tenure, in which candidate has been selected. The engagement under projects does not confer any right/claim whatsoever, either explicitly or implicitly on the appointee for regular appointment in CSIR/NPL, against any post or otherwise under any legal conditions or precedent. The engagement of project staff in different projects either in same Lab/Instt. or different Lab.Instt. of CSIR taken together shall not exceed 6 years in any case. If any dispute CSIR OM No.5-1(342)/2017-PD dated 02.09.2024 will follow.

Confidentiality of data and documents

15. The Intellectual Property Rights (IPR) of the data collected as well as the deliverables produced for the office shall remain with this office. No one shall utilize or publish or disclose or part with, to a third party, any part of the data or statistics or proceedings or information collected for the purpose of this assignment or during the course of assignment for the office, without the express written consent of the office. The incumbent shall be bound to hand over the entire set of records of assignment to the Office before the expiry of the contract, and before the final payment is released by the office.

Termination of Service

16. The performance of project personnel would be reviewed periodically so that candidates not found up to the mark, could be terminated. The engagement may be terminated at any time by the office without assigning any reasons by giving a one-month notice. In case, the person desires to leave the assignment, he/she may also do so by giving one-month notice or payment of one-month stipend in lieu of, which can be condoned/ curtailed/ extended depending upon the discretion of the Competent Authority.
17. **Eligible candidates may appear together with downloaded application form duly filled-up, for “Floating (Walk-in- Interview)” on 14/10/2025 for Post Code(s) 1.0 to 8.0 and 15/10/2025 for Post Code(s) 9.0 to 18.0 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 colour photograph, original and self attested Photo copies of all documents from secondary examination onwards certificates / mark sheets / testimonials, Experience Certificate, National Eligibility Tests - CSIR - UGC-NET including lectureship (Assistant Professorship) and GATE. Etc. (Whichever is necessary). 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.**
18. **No TA will be paid to the candidates for appearing in the interview.**
19. Incomplete/wrong information, detected at any stage, would render the candidate liable to rejection.
20. No interim communication will be allowed.
21. 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.

22. All those candidates who are continuing as Project Staff in CSIR / 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.
23. Canvassing in any form and/or bringing any influence political otherwise will be treated as a disqualification for the post.
24. 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.
25. Position Code will be cancelled if funds are not available in the advertised concerned project.
26. 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.
27. **DISCLAIMER** - Candidates who are applying for any of the above post shall ensure that they fulfill the essential qualifications. If they apply without fulfilling the essential qualifications, then it will be considered that they are giving wrong/misleading information. The onus of this action will be on the candidate and not on the Institute. In case they are found not fulfilling the essential criteria or that they have provided misleading information, then their candidature for the post may be rejected at any stage of selection or after selection.
28. Hindi version will follow.

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.
4. A relieving letter or relieving will be required at the time of joining, if the candidate is employed / working in any Company / CSIR/ Organization at the time of the interview.