



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



“ONLINE INTERVIEW FOR FLOATING STAFF ON 24 /02/2022.”
Advertisement No.Rectt./01/2022

CSIR-NPL, New Delhi (a constituent laboratory of CSIR) desires to qualified engage young and motivated staff on purely temporary and contractual basis on various ongoing externally funded & time targeted sponsored projects as under:-

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>24 /02/22</u>
1.0	Project Assistant -II One (01)	BE/B.Tech Electronics/Electronics & Communication Engg. or equivalent with minimum 55% marks	Working Knowledge of Time & Frequency	All Hardware/Software work related to project.	“Implementation of IST Service using NPL controlled remote oscillator system for National knowledge network at National Informatics Centre”	Rs. 31,000/-+ HRA (up to 31.03.2022)	30 Years
2.0	Junior Research Fellow One (01)	M.Sc in Physics/ B.Tech Electronics(ECE) or equivalent with minimum 55% marks + Valid NET/ GATE Qualified	Experience in understanding of optical components, laser, precision measurements, pressure metrology, data acquisition, and sensors	Design and development of Optical Interferometer Manometer for Pressure Measurement	“Design development and establishment of optical interferometer manometer: A primary quantum pressure Standard at CSIR-NPL”	Rs. 31,000/-+ HRA for 1 st Two Years SRF @ Rs. 35,000/-+ HRA for 3 rd Year. (up to 31.03.2023)	28 Years
3.0	Junior Research Fellow One (01)	M.Sc in Physics or equivalent with minimum 55% marks + Valid NET/ GATE Qualified	Perovskite/Organic Solar Cell Fabrication	Making of Perovskite / Organic Solar Cell on flexible substrate	“Design and development of flexible large area 156x156mm ² modified perovskite mini modules”	Rs. 31,000/-+ HRA for 30 Months, SRF @ Rs. 35,000/-+ HRA for 3 rd Year (Six Months) (up to 28.09.2024)	28 Years

4.0	Research Associate -1 One (01)	Ph.D. in Engineering	Experience in design and development of mechanical components, precision measurements, Thermal metrology, Data Equisition.	Design and development of acoustic gas thermometry (AGT) set-up for the Boltzmann constant based new Kelvin.	“Realization and Dissemination of Boltzmann constant based new Kelvin (K)”	Rs.47,000/-+ HRA (up to 31.03.2023)	35 Years
5.0	Junior Research Fellow One (01)	M.Sc. Chemistry or equivalent with minimum 55% marks + Valid NET/ GATE Qualified	<ul style="list-style-type: none"> -Trace gases measurements (NH₃, NO_x, CO, SO₂, etc) using Gas Analyzers and data downloading - Knowledge of maintenance of Trace Gas Analyzers and other instruments. - Knowledge in operation of Ion Chromatograph. -Data handing and analysis. 	<ul style="list-style-type: none"> Field surveys / trials / proving/collection/testing including. -Participation in Field measurements over various locations of India. -Bi-weekly measurements of gas/aerosol concentrations by DELTA technique at 12 locations and ammonia by ALPHA technique at 50 locations across South Asia for 2.5 years, chemical analysis by IC; preparation and etraction of samplers according to UKCEH protocol; -Assistance in hosting of NH₃ instrument inter-comparison campaign at NPL (6 weeks, probably winter 2021/22); -Assistance and participation in organizing intensive aerosol composition campaign across South Asia. 	“GCRF South Asian Nitrogen Hub (SANH)”	Rs. 31,000/-+ HRA (up to 31.03.2024)	28 Years

6.0	Project Assistant -II One (01)	B.Tech in Electronics & Communication Engg (ECE). or equivalent with minimum 55% marks	<ul style="list-style-type: none"> -Trace gases measurements (NH₃, NO_x, CO, SO₂, etc) using Gas Analyzers and data downloading - Knowledge of maintenance of Trace Gas Analyzers and other instruments. - Knowledge in operation of ion Chromatograph. -Data handing and analysis. 	<p>Field surveys / trials / proving/collection/testing including.</p> <ul style="list-style-type: none"> -Participation in Field measurements over various locations of India. -Bi-weekly measurements of gas/aerosol concentrations by DELTA technique at 12 locations and ammonia by ALPHA technique at 50 locations across South Asia for 2.5 years, chemical analysis by IC; preparation and etraction of samplers according to UKCEH protocol; -Assistance in hosting of NH₃ instrument inter-comparison campaign at NPL (6 weeks, probably winter 2021/22); -Assistance and participation in organizing intensive aerosol composition campaign across South Asia. 	"GCRF South Asian Nitrogen Hub (SANH)"	<p>Rs. 25,000/ p.m. consolidated</p> <p>(up to 31.03.2024)</p>	30 Years
7.0	Scientific administrative assistant/Field Worker One (01)	Graduate degree in any discipline.	Fair knowledge of using computers for data collection, book keeping and Good communication skills in English & Hindi, and all associated job requirements.	Conducting and assisting Jigyasa programs (both online and onsite)..	"CSIR Jigyasa 2.0 Virtual Laboratory Integration"	<p>Rs.18,000/-+ HRA</p> <p>(up to 31.03.2026)</p>	50 Years
8.0	Project Associate-I One (01)	Master's degree in Natural sciences (preferably Physics) or Bachelor's degree in Engineering or Technology from a recognized university or equivalent.	Front-end development, with experience in HTML, Javascript and/or CCS. Good working experience in platforms such as nodejs/angular/react.	Content creation for CSIR-Virtual Laboratory projects which includes interactive simulations, games development etc for School students. Additionally expertise in data collection, computer programming, simulation and modeling.	"CSIR Jigyasa 2.0 Virtual Laboratory Integration"	<p>Rs.25,000/-+ HRA</p> <p>(up to 31.03.2026)</p>	35 Years

9.0	Project Assistant II One (01)	MCA/BE/B.Tech in (Computer Sci.) or equivalent with minimum 55% marks.	(1) Experience in web based development applications using ASP.NET and sql Server. (2) Experience in web based applications development using Java technologies (JSP, Servlet, Spring, JPA) JQuery, C#, J2EE, Java script, HTML and database.	Develop, manage, debug and update web applications and software for recruitment, data compilation/analysis and other software needs of the lab:	"Design, development, and commissioning of an online platform for recruitment to various permanent/temporary positions at CSIR-NPL"	Rs.31,000/-+ HRA (up to 20.01.2023)	30 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. **Leave:** Project staff will be entitled for one day leave for each completed month's service.
5. **Other benefits:** Project Staff will be provided dispensary facility if available.
6. 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".
7. 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.
8. **Mode of Selection:** 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. All shortlisted candidates will be provided link via email for attending the interview which will be held through video conference.
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. **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.
11. 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.

12. **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.
13. The candidates will be free to answer in Hindi during interview.
14. Eligible candidates should fill the downloaded application from website and send the application along with scanned copies of self attested testimonials in support of Educational Qualifications (mark sheets & certificates), Experience, Publications and Category in a single PDF file by email to psrecruitment@nplindia.org latest by 17th **February, 2022 at 3:00 PM.**
15. **Date of Interview: 24 February, 2022** through online platform
16. Incomplete/wrong information, detected at any stage, would render the candidate liable to rejection.
17. **No interim communication will be allowed**
18. Director CSIR-NPL reserves all 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.
19. 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.
20. 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.
21. Canvassing in any form and/or bringing any influence political otherwise will be treated as a disqualification for the post.
22. 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.
23. Position Code will be cancelled if funds are not available in the advertised concerned project.
24. **Only short listed candidates will be intimated to be interviewed through online platform.**

- Note:**
1. Candidate should go through the advertisement carefully to check their suitability in the area.
 2. The posts 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.
-