



सी.एस.आई.आर.- राष्ट्रीय भौतिक प्रयोगशाला
CSIR-NATIONAL PHYSICAL LABORATORY
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
(Council of Scientific & Industrial Research)
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“FLOATING (WALK-IN) INTERVIEW ON - 30th August, 2022”

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 :-

Post code	Name & No. of positions	Essential Educational Qualification	Desirable	Job description	Project /Scheme Title	Emoluments/ stipend per month & Tenure of project	Age as on 30/08/2022
1.0	Project Assistant-I One (01)	B.Sc.	--	Carry out work as directed and for project.	Bulk Preparation of p-type and n-type Materials for Excitonic Solar Cells.	Rs. 20,000/- + HRA (one year from the date of joining)	50 Years
2.0	Research Associate-I One (01)	Ph.D. (Physics/Electrical Engg.)	Quantum transport and memory device characterization and 2D materials.	Growth of 2D materials, Memory device fabrication and electrical characterization and quantum transport measurements.	Quantum Conductance based Multi-level Information Storage Memristive Devices.	Rs.42,000/-+ HRA (up to 31.03.2023)	35 Years
3.0	Junior Research Fellow One (01)	M.Sc. (Chemistry) or equivalent with minimum 55% marks + valid NET/ GATE Qualified	Trace gases measurements (NH ₃ , NO _x , CO, SO ₂ , etc.) using GAS Analyzers and data downloading. -Knowledge of maintenance of Trace Gas Analyzers and other instruments. -Knowledge in operation of Ion Chromatograph. -Data handling and analysis.	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 extraction of samplers according to UKCEH protocol; -Assistance in hosting of NH ₃ instrument inter-comparison campaign at NPL (6 weeks, probably winter 2022/23). -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

4.0	Junior Research Fellow One (01)	M.Sc. (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 (up to 28.09.2024)	28 Years
5.0	Junior Research Fellow One (01)	M.Sc. (Physics) or equivalent with minimum 55% marks + valid NET/GATE Qualified	--	Basic superconducting film deposition by sputtering methods, its transport characterization, nanofabrication of the film to make devices, detection of photon (single or multiple) from the device as electrical pulses, integration of the photon detection experiments with cryogenic environment operating around 2K.	Advanced Single Photon Detector and Establishment of Single Photon Detection based Quantum Standard.	Rs. 31,000/-+HRA (up to 31.03.2023)	28 Years
6.0	Research Associate-I One (01)	Ph.D. in Physics.	Experience in thin film fabrication, low temperature measurements or photon detection technologies.			Rs.42,000/-+ HRA (up to 31.03.2023)	35 Years

Instructions:-

1. Only those Candidates who have completed the essential qualification & result has been declared are eligible to apply. Experience, if claimed, in any position should only be post-qualification experience.
2. Candidate can apply for maximum 02 (Two) positions. Separate application may be submitted for each post-code, if a candidate is desirous of applying for more than 01 (One) Positions.

Service conditions:-

1. DA & CCA: Scientific / Technical Manpower in projects are not entitled to DA & CCA.
2. House Rent Allowance (HRA): HRA is allowed to all categories except for Project Investigator (PI) / Project Coordinators in Non-Government / Voluntary / Organizations (NGO/VO) / Project Manager as per Central Government norms applicable in the city/location where they are working. The percentage required for calculating HRA will be based on the remuneration.
3. Medical Benefits : The Scientific / Technical manpower will be entitled for medical benefits as applicable in the implementing institution.
4. Leave and other entitlements: The Scientific / Technical manpower are entitled to leave as per rules of the host institution Maternity leave as per the Govt. of India instructions issued from time to time would be available to all categories. The travel entitlement is as per institute norms.
5. Bonus, Gratuity & Leave Travel Concession : The Scientific / Technical manpower will not be entitled to these allowances.
6. **Mode of Selection:** The candidates will be shortlisted for interview through a screening process. Only the short-listed candidates will be interviewed by the Selection Committee.
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 /PwBD /Women: Age limit** for Project staff shall be as per GOI rules.

Eligible candidates may appear together with downloaded application form duly filled-up, for “Floating (Walk-in) Interview” on 30 August, 2022 for Post Code(s) 1.0 to 6.0 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 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.

No TA will be paid to the candidates for appearing in the interview.

- 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.