



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. 01 /2014



“FLOATING (WALK-IN) INTERVIEW ON 25th February, 2014”

NPL, New Delhi (a constituent laboratory of CSIR) desires to have qualified incumbents for purely temporary and contractual positions of “Research Associate, Senior Research Fellow, Junior Research Fellow, Senior Project Fellow, Project Fellow, Project Associate and Project Assistant” under the various ongoing externally funded & time targeted sponsored projects as under:-

Post code	Name & No. of positions	Essential Educational Qualification	Desirable	Job description	Project /Scheme Title	Tenure of project & Emoluments/ stipend (Fixed)per month	Age as on 25.02.2014 (Upper age limit as per rule with relaxation as per rule for SC/ST/OBC/Women Candidates)
1.0	Junior Research Fellow One (01)	MSc. (Chemistry) with at least 60% and NET (CSIR - Lectureship) qualified	Experience in the field of carbon nano materials	Development of carbon nano fibers by electro spinning technique.	Development of continuous carbon nano fibers by electro spinning.	Rs. 16,000/- + 30% HRA per month (up to 02/08/2014)	28 years
2.0	Senior Research Fellow One (01)	M.Tech (Atmospheric Sciences) with at least 60% Or M.Sc. (Physics / Maths/ Geophysics / Atmospheric Sciences) with at least 60% with two years research experience	Experience on atmospheric aerosols, radiation & knowledge of computer programming	Measurement and modeling of atmospheric aerosols and radiation, satellite data analysis	Seasonal variation of column aerosol properties, aerosol radiation forcing and the assessment of the impact of absorbing (BC) and desert dust aerosols in the mega-city of Delhi	Rs. 18,000/- + 30% HRA (up to 28.06.2015)	32 years

3.1	Senior Research Fellow One (01)	M.Sc. (Physics) with at least 60% and two years research experience in Superconductivity & low temperature experimentation	Experience in nano particles & thin films of magnetic / superconductors and low temperature experimental.	Preparation, characterization and low temperature experimentation on nano particles & thin films of magnetic and superconducting materials.	Study of magnetic anisotropy in magnetic nanoparticles, thin films and heterostructures.	Rs.18,000/- + 30% HRA per month (up to 17/10/2014)	32 Years
3.2	Junior Research Fellow One (01)	MSc. (Physics) with at least 60% + NET (LS)	Experimental physics	Preparation, characterization and low temperature experimentation on nano particles & thin films of magnetic and superconducting materials.	Study of magnetic anisotropy in magnetic nanoparticles, thin films and heterostructures.	Rs.16,000/- + 30% HRA per month (up to 17/10/2014)	28 Years
4.0	Junior Research Fellow One (01)	MSc. (Physics) 60% + NET (LS)	Experimental physics	Preparation and characterization of thin films of magnetic and superconducting materials.	Studies of electron correlations at low temperatures and high magnetic fields in tailored interfaces and heterostructures.	Rs. 16,000/- + 30% HRA (up to 04/12/2017)	28 Years
5.0	Senior Research Fellow One (01)	M.Sc. (Physics / Maths) with at least 60% + NET + 02 years research experience Or M.Tech. with at least 60% (Environmental Science) with Physics / Maths background	Knowledge of computer programming	Modeling / Analysis of atmospheric data to find oxidizing capacity of the atmosphere	Determination of the impact of oxidizing capacity of the troposphere on the abundance of CO and CH4 with special reference to India	Rs. 18,000/- (Consolidated) (up to 30/01/2015)	32 years
6.1	Research Associate One (01)	Ph.D. (Physics / Materials / Electronics / Nanoscience / Nanotechnology) Or M.Tech with 60% marks (Physics / Materials / Electronics / Nanoscience / Nanotechnology) with 03 year experience in research / teaching, design & development with at least 01 paper in SCI journal.	Precision measurement of low level electronics at low temperature	Low level voltage measurement, SQUID and nano-pico voltmeter	Generic Development of Nanometrology for Nanotechnology at NPLI	Rs. 16,000 /- + 30% HRA (up to 31/12/2014)	35 years

6.2	Research Associate One (01)	Ph.D. (Physics / Materials / Electronics / Nanoscience / Nanotechnology) Or M.Tech with 60% marks (Physics / Materials / Electronics / Nanoscience / Nanotechnology) with 03 year experience in research / teaching, design & development with at least 01 paper in SCI journal.	Experience in fabrication of nanoparticles / nanostructures, Nanoscale measurements etc.	Nanoscale measurements and nanostructure R & D, handling optical profiler, AFM and interferometers	Generic Development of Nanometrology for Nanotechnology at NPLI	Rs. 16,000 /- + 30% HRA (up to 31/12/2014)	35 years
6.3	Project Assistant – II One (01)	B.Tech (Electronics / Instrumentation / Nanoscience) with at least 60%	01 year experience in research.	Nanoscale measurements and nanostructure R & D, handling optical profiler, AFM and interferometers	Generic Development of Nanometrology for Nanotechnology at NPLI	Rs. 12,000 /- (consolidated) (up to 31/12/2014)	28 years
7.0	Project Assistant One (01)	M.Sc. (Physics) First division	06 months experience in the relevant field i.e. in solar cell material synthesis and characterization	Growth of ZnO, CdTe thin films	Enhancement of solar cell efficiencies using tapered ZnO nano rods – CdTe polycrystalline thin film structure	Rs. 16,000 /- (consolidated) (up to 29/08/2015)	28 years

General Conditions:-

- 1.1 The number of positions advertised may vary as per requirement in the sponsored projects.
- 2.0 The total duration for which Project staff could be engaged will be five years. 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 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 Project staff in different projects taken together should be counted only from 28.03.2003 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 Selection Committee.
- 2.1 Leave: Project staff will be entitled for one day leave for each completed month's service.
- 2.2 Reservation: As regards reservation, if all things are equal, SC/ST/OBC candidates may be given preference over General candidates so as to ensure their representation.

- 2.3 Medical Facilities: Project Assistants will not be entitled for any medical facilities either through CSIR Dispensaries or under CS (MA) Rules, however, under emergent circumstances, Labs./Instt. may give emergency treatment/consultation through CSIR Dispensaries, but they will not be eligible for reimbursement of medical expenses.
- 2.4 Registration for Ph.D.: The facility for Ph.D. registration shall be allowed to those Project Staff who have worked for a minimum period of one year and have at least cleared CSIR-UGC Lecturer ship (NET) or GATE examination or published 01 paper in international peer reviewed journals.
- 2.5 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".
- 3.0 Candidate should possess the required educational qualification as on date of interview.
- 4.0 Candidate should consciously choose only one position in the area for which his/her candidature is suitable.
- 5.0 **Mode of Selection:** In case large number of candidates turn up, the candidates will be shortlisted for interview by a duly constituted Screening Committee. Only the short-listed candidates will be interviewed by Selection Committee. The Select panel so prepared will be utilized for engagement as Project staff as and when requirement arise.
- 6.0 Relaxation of age for SC/ST/PH/OBC and women will be applicable as per GOI instructions

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 on 25th February, 2014 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 (Bio-data) on plain paper giving the full details inclusive of marks starting from secondary examination onwards along with latest passport size photograph, original and attested copies of all certificates/testimonials. Candidates belonging to SC/ST/OBC/PH, 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 for their suitability in the area.