



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. 02 /2014**



**“FLOATING (WALK-IN) INTERVIEW ON 12<sup>th</sup> June, 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 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 12.06.2014 (Upper age limit as per rule with relaxation as per rule for SC/ST/OBC/Women Candidates)
1.0	Senior Research Fellow One (01)	MSc. (Physics/Math) + NET qualified + 02 years relevant experience Or M.Tech. (Environmental Science) with Physics/Math 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 CH <sub>4</sub> with special reference to India	Rs. 18,000/- (consolidated)  (up to 30/01/2015)	35 Years
2.0	Junior Research Fellow One (01)	MSc. (Physics) and NET (CSIR/UGC/Lectureship) qualified	-	Research & Development	Defect engineered fluorescence from “Nano-Diamond” for Nano-photonics and Bio-Imaging	Rs. 16,000/- + 30% HRA per month  (up to 23/01/2019)	28 Years
3.0	Senior Project Fellow One (01)	MSc. (Physics) with 02 years research experience Or M.Tech (Electronics & Communication / Instrumentation)	Knowledge of experimental optics and electronics. Experience in Lab view.	Experimental set up of the frequency standard.	Single Trapped Ion Optical frequency standard.	Rs. 18,000/- + 30% HRA  (up to 31.03.2017)	32 Years

4.0	Project Fellow Two (02)	M.Sc. (Physics) Or M.Tech (Material Science / Advanced Material Physics & Engineering)	-	Development of carbon paper electrode for fuel cell and bipolar plate	Development & validation of 3kWe PEMFC System	Rs.16,000/- + 30% HRA per month  (up to 29/10/2015)	28 Years
5.0	Senior Project Fellow One (01)	M.Sc. (Physics) with 02 years research experience in material science Or M.Tech. in Nanoscience	-	R & D on Spintronics / Multiferroics / magnetic materials	Research initiative on Nano-Devices and Nano-Sensors (R-Nano), NPL	Rs. 18,000/- (consolidated)  (up to 31.03.2017)	28 Years
6.1	Project Assistant One (01)	M.Sc. (Electronics) Or B.Tech (Electronics / Instrumentation)	Measurements of low level electrical parameters, Knowledge of LabVIEW	Low value voltage, charge and current measurements	Generic Development of Nanometrology for Nanotechnology at NPLI	Rs. 14,000/- + 30% HRA  (up to 31.12.2014)	28 Years
6.2	Research Associate One (01)	Ph.D. (Physics / Materials / Electronics/ Nanoscience / Nanotechnology) Or M.Tech with atleast one research paper in SCI Journal and 03 years of research , teaching and design & development experience	Precision measurements of low level electrical and electronics at low temperature	Low value voltage measurements, SQUID's and Pico voltmeter	Generic Development of Nanometrology for Nanotechnology at NPLI	Rs. 16,000/- + 30% HRA  (up to 31.12.2014)	35 Years
6.3	Research Associate One (01)	Ph.D. (Physics / Materials / Electronics/ Nanoscience / Nanotechnology) Or M.Tech with atleast one research paper in SCI Journal and 03 years of research , teaching and design & development experience	Experience in fabrication of Nanoparticles and structures, Nanoscale measurements etc.	Nanoscale measurements and nanostructure R&D, Handling of 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

## General Conditions:-

- 1.0 The minimum eligibility in terms of marks obtained (percentage) for registration of the candidates in any of the advertised posts is First Division as prescribed by their respective University / Institute.
- 1.1 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 atleast cleared CSIR-UGC Lecturer ship (NET) or GATE examination or published 02 papers 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. Candidate should possess the required educational qualification as on date of interview.
4. Candidate should consciously choose only one position in the area for which his/her candidature is suitable.
5. **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. 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 12<sup>th</sup> June, 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.