



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.03/2015

“FLOATING (WALK-IN) INTERVIEW ON -11th & 12th08/2015.”

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

Day 1 - 11/8/2015

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 11/08/2015 (Upper age limit as per rule with relaxation as per rule for SC/ST/OBC/Women Candidates)
1.0	Project Assistant One (01)	BE/B.Tech Electronics	Experience in the area of synthesis and applications of nonomaterial's, grapnene analogues or their nanocomposites for EMI shielding, antistatic or supercapacitors alongwith working knowledge of electrochemical techniques or electronics will be preferred.	Synthesis and characterization of graphene analogues, inorganic nanoparticles, conjugated polymers and their nanocomposites for EMI shielding and antistatic applications	Designing of graphene based porous nanocomposites for electrostatic protection and shielding of electromagnetic radiations	Rs. 16,000/ (Consolidated) (up to 28.11.2017)	28 Years
2.0	Senior Research Fellow One(01)	M.Sc. (Physics)+ 02 years research experience	Synthesis & low temperature (<2K) transport of superconducting/ magnetic thin films/hetrostructures.	Synthesis & very low temperature experiments of thin films/devices of magnetic & superconducting materials.	Studies of electron correlations at low temperatures and high magnetic fields in tailored interfaces and heterostructures.	Rs. 18,000/- + 30% HRA (up to 04.12.2017)	32 Years
3.0	Junior Research Fellow One (01)	M.Sc. Biochemistry / Biotechnology plus + NET Qualified or M.Tech Biotechnology	Experience in the field of infrared spectroscopy`	Tissue sample collection, sample handling, Data collection and analysis.	Infrared spectroscopy study for tumor diagnosis Phase II	Rs. 25,000/- + 30% HRA (up to 07.07.2016)	28 Years

4.0	Research Associate One (01)	M. Tech. in Materials and Metallurgical + 3 years research experience after M. Tech Engineering +01 Paper in SCI Journal.	Experience in organic photovoltaic devices`	Investigation of Organic photovoltaic devices.	Novel Approaches for Solar Energy conversion (CSIR –TAPSUN)	Rs. 22,000/- + 30% HRA (up to 31.03.2017)	35 Years
5.0	Project Fellow One (01)	M.Sc. Chemistry	Experience in organic polymers and materials	Investigation of Organic photovoltaic devices	Novel Approaches for Solar Energy Conversion (CSIR-TAPSUN)	Rs.16,000/- + 30% HRA (up to 31.03.2017)	28 Years
6.0	Project Fellow One (01)	M.Sc. Physics	Experience in organic Photovoltaics Device Development.	Device Development of Organic photovoltaic.	Novel Approaches for Solar Energy Conversion (CSIR-TAPSUN)	Rs.16,000/- + 30% HRA (up to 31.03.2017)	28 Years

Day 2 - 12/8/2015

7.0	Project Assistant One (01)	B.Tech Nanotechnology	Experience in Carbon Nonomaterial	Preparation of Graphite Composite Plates And Porous Conducting Carbon Paper	Demonstration and validation of 3kWe PEMFC system	Rs. 16,000/- + 30% HRA (up to 30.03.2016)	28 Years
8.0	Senior Project Fellow One (01)	M.Tech (Material Science or Nanotechnology) or M.Sc. (Physics)+ 2 years Research Experience	Experience in organic semiconductors and thin film deposition	Synthesis of organic semiconductor and fabrication and characterizations of OLED/OLET	Efficient silicon photovoltaics with smart electronics and lighting system (OLET)	Rs. 18, 000/- + 30% HRA (up to 31.03.2017)	32 Years
9.0	Senior Project Fellow One (01)	M.Sc (Physics or Material Science or Nanotechnology) +02 year research experience or B. Tech (Electrical & Electronics) +02 years research experience. or M. Tech (Nanotechnology / Solar & Alternative Energy)	Knowledge of Ultra high vacuum, thin film deposition.	Growth & characterization of Nitride materials	“Growth and characterization of III-Nitride hetero-structures for solid state lighting” under “Efficient Silicon Photovoltaics with Smart Electronics and Lighting Systems”	Rs. 18, 000/- + 30% HRA (up to 31.03.2017)	32 Years

10.0	Senior Project Fellow One (01)	M.Sc Physics/ Applied Physics/Applied Optics/Instrumentation/ Electronic +02 years research experience or M.Tech. (Physics, Applied Physics/Applied Optics/Instrumentation/ Electronics)	---	R&D about ion trap and laser cooling	Research and Development on Single Trapped Ion based Frequency Standard (STIOS)	Rs. 18,000/- + 30% HRA (up to 31.03.2017)	32 Years
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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 Candidates who have completed the essential qualification & 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
- 1.2. 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 18.03.2010 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 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 may apply for maximum 02 (Two) posts on each day of interview. Separate application may be submitted for each post code if a candidate is desirous of applying in more than 01 (One) Post.
- 5.1 **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.**
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/PWD/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 11th & 12th 08/2015 in 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/PWD 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: Candidate should go through the advertisement carefully for their suitability in the area.