



राष्ट्रीय भौतिक प्रयोगशाला

NATIONAL PHYSICAL LABORATORY

(वै.एवं.औ.अनु.परिषद)

(Council of Scientific & Industrial Research)

डॉ.के.एस.कृष्णन् मार्ग, नई दिल्ली 110012

Dr. K.S. Krishnan Marg, New Delhi – 110012



Advertisement No. 08/2010

“FLOATING (WALK-IN) INTERVIEW ON 25.11.2010”

NPL, New Delhi (a constituent laboratory of CSIR) desires to have qualified incumbents for purely temporary and contractual positions of “Research Associate, Junior Research Fellow and Project Assistants” under the various ongoing externally funded & time targeted sponsored projects and Research Interns under “CSIR Diamond Jubilee Research Intern Award Scheme” as given below :-

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 25.11.2010
1.0	Research Associate – 01 (One)	Ph.D.(Chemistry)	Knowledge off chemical synthesis of nanoparticles/material science	To synthesize and characterize nano particle of semiconductor materials	Synthesis and characterization of semiconductor nano-particles by chemical technique and their applications in sensor under CSIR Emeritus Scientist Scheme	31.10.2011 Rs.16000/- plus H.R.A.	35 years
2.0	Junior Research Fellow – 01 (One)	1 st Class M.Sc.(Physics/ Chemistry) with NET (Lectureship) Qualified	Knowledge of synthesis of organic conjugated polymers	Research & Development	Development of conjugated polymer based schottky junction device under CSIR Emeritus Scientist Scheme	16.04.2012 Rs.12000/- plus H.R.A.	28 years
3.0	Project Assistant Level-II (DST-JRF)– 01 (One)	1 st Class M.Sc.(Physics) with NET qualified	Knowledge about semiconductor/ oxide nanomaterials is desired	Research & Development	Band gap Engineering of Nanophosphors for use in Energy Saving Lighting Applications	13.05.2013 Rs.12000/-	28 years
4.0	Project Assistant Level-II (DST-JRF)– 01 (One)	1 st Class M.Sc.(Physics/ Chemistry/ Environmental Sciences) with NET qualified	Laboratory as well as field experiments related to project and computer applications	Field & Lab. Experiments and data analysis related to project	Study of distribution and sources of ambient ammonia over national capital region (NCR)	06.07.2012 Rs.12000/-	28 years
5.0	Project Assistant Level-II– 01 (One)	1 st Class M.Sc.(Physics)	Liquid crystals; solid state physics	To assist in making adaptive spherical lens using liquid crystals	A study of adaptive spherical lens using nematic liquid crystals for defence application	19.04.2012 Rs.12000/-	28 years
6.0	Project Assistant Level-II– 01 (One)	1 st Class M.Sc.(Chemistry)		To prepare carbon nanotubes-polymer composites	Dispersion and Alignment of CNTs and Development of CNT reinforced composite	14.04.2011 Rs.12000/-	28 years

7.0	Project Assistant Level-III– 02 (Two)	1 st Class M.Sc. (Physics) with 02 years post M.Sc. experience	Experience in climate change	To help in preparing the assessment of heat stress/emission inventories	Preparation of Energy Sector GHG Emission Inventory and Assessment of Heat Stress Vulnerability under Future Climate Change Scenarios in India	15.08.2013 Rs.14000/-	32 years
8.0	Project Assistant Level-IV– 01 (One)	Ph.D. (Chemistry/ Physics) with specialization in Materials Science/ Organic Chemistry		Organic/conjugated polymers thin film deposition and characterization for organic electronic device applications	Fabrication of LED devices and systems for solid state lighting applications	31.03.2012 Rs.15000/-	35 years
9.0	Project Assistant Level-II OR Project Assistant Level-III– 01 (One)	1 st Class M.Sc. (Chemistry) OR 1 st Class M.Sc. (Chemistry) with 02 years post M.Sc. experience in applied research	R&D (preferably in carbon/ Chemical, Polymer Field)	Development and characterization of high density graphite and copper reinforced graphite for use as collector of electron tubes.	Development of high density graphite suitable for multistage depressed collector of electron tubes	31.03.2012 For PA Level-II Rs.10000/- For PA Level-III Rs.12000/-	For PA Level-II 28 years For PA Level-III 30 years
10.0	Project Assistant Level-III– 01 (One)	1 st Class M.Sc. (Physics) with 02 years post M.Sc. experience	Experience in atmospheric trace gas measurements	To help in measurement of atmospheric trace gases	Environment Contaminants : New Screening Technologies and Effect on Human Health	31.03.2012 Rs.12000/-	30 years
11.0	Project Assistant Level-III– 01 (One)	1 st Class M.Sc. (Physics) with 02 years post M.Sc. experience	Experimental Physics	Research and Development in pressure metrology	Upgradation of standards (Advancement in Metrology)	31.03.2012 Rs.12000/-	30 years
12.0	Project Assistant Level-III– 01 (One)	1 st Class M.Sc. (Chemistry) (Specialization in Physical Chemistry and PCM in B.Sc.) with 02 years post M.Sc. experience in electrochemistry	pH measurements	To work on primary pH measurement techniques and standards buffers	Advances in Metrology : Metrology in Chemistr	31.03.2012 Rs.12000/-	30 years
13.0	Project Assistant Level-II– 01 (One)	1 st Class M.Sc.(Chemistry)	Experience in atmospheric trace species measurement	To help in measurement of atmospheric trace species	Environmental Contaminants: New Screening Technologies and Effect on Human Health	31.03.2012 Rs.10000/-	28 years
14.0	Project Assistant-II - 01 (One)	1st class M.Sc (Chemistry); Specialization in Analytical Chemistry and PCM at B.Sc level	Gas chromatographic (GC) / Mass Spectrometric measurements. One year experience in gas analysis	To work on GC-FID / GC-MS techniques and gas standards	Advances in metrology : Metrology Chemistry	31.03.2012 Rs 10000/-	28yeras
15.0	SRF (Extended) or Research Associate -01 (One)	For SRF (Extended) Candidate who have submitted Ph.D thesis in Physics Or For Research Associate Ph.D (Physics)	Practical experience in the field of CMR magnetic materials / High Temperature superconducting materials synthesis and characterization	Synthesis and characterization of CMR based magnetic materials for TCR and MR sensors.	CSIR Emeritus Scheme entitled Studies and Development of CMR manganites based sensors for magnetic and bolometric devices under CSIR Emeritus Scientist Scheme	For SRF (Extended) Rs 15000/- plus H.R.A. or For Research Associate Rs 16000/- plus H.R.A.	For SRF (Extended) 33 years Or For Research Associate 35 years

16.0	Project Assistant-III - 01 (One)	1 st Class M.Tech (Material Science/Polymer Science/Nano Technology)	Knowledge in the area of Conducting Polymers	To design conducting polymer coatings	Conducting polymer coatings for corrosion protection	March 2012 Rs. 12000/-	30 years
17.0	Project Assistant-II - 02 (Two)	1 st Class M.Sc Chemistry	-	Microfluidics	Fabrication of pump less microfluidic channel on circular mounts	19 Sep 2012 Rs.12000/-	28 years
18.0	Project Assistant-II - 02 (Two)	1 st Class M.Sc Physics/Chemistry	Knowledge in biosensors	Immunosensor	Fabrication of intelligent and smart tissue paper based sensor for management of infectious diseases	September, 2012 Rs,12000/-	28 years
19.0	Research Intern – 05 (Five)	1 st Class Master Degree in (Physics)	--	--	CSIR Diamond Jubilee Research Intern Award Scheme	02 years Rs.11500/-	25 years
20.0	Research Intern – 02 (Two)	1 st Class Master Degree in (Chemistry)	--	--	CSIR Diamond Jubilee Research Intern Award Scheme	02 years Rs.11500/-	25 years

General Conditions :-

1. The total duration for which Project Assistant 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 Assistants 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 Assistant could be engaged in different projects taken together, will be 5 years, i.e. the total period of five years of engagement of Project Assistant in different projects taken together should be counted only from 28.03.2003 onwards. The performance of the Project Assistants 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 Assistant 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 Project Assistant will not be allowed to register himself/herself for Ph.D.
- 2.5 There would be no component of HRA, increment etc. for Project Assistants, and only the consolidated remuneration to be paid to Project Assistants may be called "Stipend".
3. Candidate should possess the required educational qualification as on date of interview.
4. Candidate should consciously choose the area for which his/her candidature is suitable and accordingly give order of preference.
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 shall be interviewed by Selection Committee. The panel so prepared will be utilized for engagement as Project Assistants as and when requirement arise.

6. Relaxation of age for SC/ST/PH/OBC will be applicable as per Govt. of India instructions.

Eligible candidates may appear together with duly filled-in downloaded Application Form (back-to-back), for “Floating (Walk-in) Interview” on 25.11.2010 between 9.00 AM to 10.00 AM (candidate will not be entertained after 10.00 AM under any circumstance) in the Auditorium of the laboratory, 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 from time to time on the subject.

NO TA will paid to the candidates for appearing at the interview.

Controller of Administration

Note: Candidate should go through advertisement carefully for their suitability in the area.