

NATIONAL PHYSICAL LABORATORY

(Council of Scientific & Industrial Research)

Dr. K.S. Krishnan Marg (Near Pusa),

New Delhi – 110 012.

Advertisement No. 04/2010

“FLOATING (WALK-IN) INTERVIEW ON 14.05.2010”

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

Post Code	Name & No. of positions	Essential Educational Qualification	Desirable	Job Description	Tenure of project & Emoluments/ Stipend (Fixed) Per Month	Age as on 14.05.2010
1.0	Research Associate – 01 (One)	Ph.D. (Physics)	Practical experience in the field of high temperature ceramic materials (High Temperature Superconductors/ CMR magnetic materials) with published work in SCI journals.	Synthesis & Characterization of CMR manganite based materials for TCR and MR sensors	30.04.2012 Rs.16000/- + H.R.A.	35 years
2.0	Project Assistant Level-IV – 01 (One)	Ph.D. (Biotechnology/ Biochemistry/ Biomedical Engg./ Biology)	Experience in the design & fabrication of biosensors and sensors.	Fabrication of DNA biosensors	05.02.2012 Rs.20000/-	35 years
3.0	Project Assistant Level-III – 01 (One)	1 st Class M.Sc. (Chemistry) with 02 years post M.Sc. research experience	Experience on biosensors/ material science	Technology development of biosensors	05.02.2012 Rs.14000/-	32 years
4.0	Project Assistant Level-III – 01 (One)	1 st Class M.Sc.(Physics) with 02 years post M.Sc. research experience	Computer course/ knowledge	To make reports using computer and analysis of data using software for PT programme in metrology activities of Physico-mechanical and Electrical Standards	December, 2010 (Likely to continue) Rs.14000/-	32 years
5.0	Project Assistant Level-III – 02 (Two)	1 st Class M.Sc. (Chemistry) with 02 years post M.Sc. research experience and specialization in Physical Chemistry/ Organic Chemistry	Preferable experience in carbon technology or chemical technology	Development and characterization of high density graphite and copper reinforced graphite for use as collector of electron tubes.	31.03.2012 Rs.12000/-	30 years
6.0	Project Assistant Level-III – 01 (One)	1 st Class M.Sc.(Physics) with 02 years post M.Sc. research experience	Ferrifluid and instrumentation	Synthesis of nanomagnetic fluid and development of devices	31.03.2012 Rs.12000/-	30 years
7.0	Project Assistant Level-III – 01 (One)	1 st Class M.Sc.(Physics) with 02 years post M.Sc. research experience OR M.Tech. (Applied Optics)	Knowledge of Matlab/ Labview, origin etc.	Measurements using fizeau interferometers and length and dimensional measurements.	31.03.2012 Rs.12000/-	30 years
8.0	Project Assistant Level-III – 02 (Two)	1 st Class M.Sc.(Physics) with 02 years post M.Sc. research experience and specialization in Solid State Physics/ Electronics/ Materials Science/ Thin Films	NET/GATE qualified or exposure in the field of conducting polymers and their characterization	Organic/conjugated polymers thin film deposition and characterization for organic electronic device applications	31.03.2012 Rs.12000/-	30 years
9.0	Project Assistant Level-II – 01 (One)	1 st Class M.Sc.(Physics/ Chemistry)		To prepare and characterize carbon fibre paper samples for PEM fuel cell stack	31.03.2011 (Likely to continue) Rs.10000/-	28 years

10.0	Project Assistant Level-II – 01 (One)	1 st Class M.Sc.(Physics/ Chemistry/ Materials Science)		To prepare carbon nanotubes – polymer composites	14.04.2011 (Likely to continue) Rs.12000/-	28 years
11.0	Project Assistant Level-II – 01 (One)	1 st Class M.Sc.(Physics)	Course/Project in area of vacuum techniques/ Optics/ Embedded Systems/ Instrumentation	Maintenance of Vacuum system and work on control system of cesium fountain clock	31.03.2012 Rs.10000/-	28 years
12.0	Project Assistant Level-II – 02 (Two)	1 st Class M.Sc.(Physics)	Knowledge of computer programming	Observation of radiation, data analysis and model estimates	31.01.2011 Rs.12000/-	28 years
13.0	Project Assistant Level-II – 01 (One)	1 st Class M.Sc.(Physics/ Materials Science)	Programming Skills	Preparation of ceramics by solid state/solgel techniques. Preparation of CMR thin films by RF/DC sputtering characterization of CMR materials	Two years Rs.12000/-	28 years
14.0	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 and lab. Experiments and data analysis related to project	06.07.2012 Rs.12000/-	28 years
15.0	Project Assistant Level-III	For Project Assistant Level-III 1 st Class M.sc. (Physics) with 02 years post M.Sc. Experience in Material Science or Nanotechnology or Instrumentation	Knowledge of handling equipments in ultra high vacuum	To provide the support in setting up new facility of MBE and Surface Analysis Technique and perform multiplayer growth.	31.03.2012 For Project Assistant Level-III – Rs.12000/-	For Project Assistant Level-III – 30 years
	OR Project Assistant Level-II – 01 (One)	For Project Assistant Level-II 1 st Class M.sc. (Physics)			For Project Assistant Level-II – Rs.10000/-	For Project Assistant Level-II – 28 years
16.0	Project Assistant Level-III	1 st Class M.Sc.(Physics/ Electronics) with 02 years post M.Sc. research experience	Knowledge of handle scientific instruments and medically fit for doing research work at Antarctica	Handling of different ionospheric instruments (GPS receiver and digital ionosonde) installed at Antarctic Indian Scientific base station during winter period	11.04.2013 For Project Assistant Level-III – Rs.14000/-	For Project Assistant Level-III – 32 years
	OR Project Assistant Level-II – 01 (One)	For Project Assistant Level-II 1 st Class M.sc. (Physics/ Electronics)			For Project Assistant Level-II – Rs.12000/-	For Project Assistant Level-II – 28 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. But Project Assistant may be encouraged to qualify NET/GATE examination, so that on getting fellowship he/she register himself/herself for Ph.D., in that event he will have to resign as Project Assistant.
- 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 14.05.2010 between 8.00 AM to 09.30AM (candidate will not be entertained after 09.30 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.