



## NATIONAL PHYSICAL LABORATORY

(Council of Scientific & Industrial Research)

Dr. K.S. Krishnan Marg (Near Pusa),  
New Delhi – 110 012.

Advertisement No. 04/2009

### “FLOATING (WALK-IN) INTERVIEW ON 20.08.2009”

NPL, New Delhi (a constituent laboratory of CSIR) desires to have qualified incumbents for purely temporary positions of “Research Associate, Senior Research Fellow, Senior Research Fellow (Extended), Junior Research Fellow, and Project Assistant Level - IV, III & II” under the various ongoing externally funded & time targeted sponsored projects and Research Interns under “CSIR Diamond Jubilee Research Intern Award Scheme” as given below. The emoluments/stipend shown is under revision.

Post Code	Name & No. of positions	Educational Qualification	Desirable	Job Description	Tenure of project & Emoluments / Stipend (Fixed) Per Month	Age as on 20.08.2009
1.0	Senior Research Fellow – 01 (One)	M.Sc. (Physics) with 60% marks and at least 02 years post M.Sc. research experience.	Experience in Ionospheric physics, data analysis for Ionosphere studies.	Working on data center and other activities related to Ionosphere study.	30.01.2010  Rs.14000/- plus HRA	32 years
2.0	Research Associate OR Senior Research Fellow (Extended) – 01 (One)	<b>For R.A. :</b> Ph.D. (Physics) OR <b>For S.R.F. (Extended) :</b> Ph.D. (Physics) (Thesis Submitted)	Practical experience in the field of CMR magnetic materials and devices with published work in SCI journals	Synthesis & Characterization of CMR manganese based materials for TCR and MR sensors	30.04.2012  <b>For RA :</b> Rs.16000/- plus HRA OR <b>For SRF (Ext.) :</b> Rs.15000/- plus HRA	<b>For RA :</b> 35 years  <b>For SRF (Ext.) :</b> 33 years
3.0	Research Associate OR Senior Research Fellow (Extended) OR Senior Research Fellows – 01 (One)	<b>For R.A. :</b> Ph.D. (Physics/ Atmospheric Physics) OR <b>For S.R.F. (Extended) :</b> Ph.D. (Physics/ Atmospheric Physics) (Thesis Submitted) OR <b>For S.R.F. :</b> M.Sc. (Physics/ Electronics) with 60% marks and at least 02 years post M.Sc. research experience.	Experience in Lidar measurements.	To carry out the night time operation and further development of the Lidar System.	06.11.2009  <b>For RA :</b> Rs.16000/- plus HRA OR <b>For SRF (Ext.) :</b> Rs.15000/- plus HRA OR <b>For SRF :</b> Rs.14000/- plus HRA	<b>For RA :</b> 35 years  <b>For SRF (Ext.) :</b> 33 years  <b>For SRF :</b> 32 years
4.0	Junior Research Fellow – 01 (One)	M.Sc. (Physics) with 60% marks and passing of NET	Specialisation in electronic/ solid state physics	To work on conducting polymer based Schottky junction devices	16.04.2012  Rs.12000/- plus HRA	28 years
5.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics)	Electronics/ Electrical measurements	To work in the area of Nanometrology	31.12.2009  Rs.12000/-	28 years

6.0	Project Assistant Level-III OR Project Assistant Level-IV – 01 (One)	<b>For Level-III :</b> 1 <sup>st</sup> Class M.Tech./M.E. (Electrical/ Electronics/ Instrumentation) OR <b>For Level-IV :</b> Ph.D. (Physics/ Instrumentation/ Material)	Specially low level electronics/ electrical measurements	To work in the area of Nanometrology using optical profiler, AFM etc.	31.12.2009 <b>For Level-III</b> Rs.14000/- <b>For Level-IV</b> Rs.16000/-	<b>For Level-III:</b> 32 years <b>For Level-IV:</b> 35 years
7.0	Project Assistant Level-III OR Project Assistant Level-IV – 01 (One)	<b>For Level-III :</b> 1 <sup>st</sup> Class M.Tech./M.E. (Instrumentation/ Material/Optics) OR <b>For Level-IV :</b> Ph.D. (Physics/ Instrumentation/ Materials)	Laser Interferometry	To work in the area of Nanometrology using optical profiler, AFM etc.	31.12.2009 <b>For Level-III</b> Rs.14000/- <b>For Level-IV</b> Rs.16000/-	<b>For Level-III:</b> 32 years <b>For Level-IV:</b> 35 years
8.0	Project Assistant Level-II 02 (Two)	1 <sup>st</sup> Class M.Sc. (Physics)	Electronics Design	R&D on Biosensor development and fabrication	05.02.2012 Rs.12000/-	28 years
9.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics)	R&D experience in ultrasonics and knowledge of signal processing	R&D in ultrasonics	10.06.2012 Rs.12000/-	28 years
10.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics)		R&D in thin films using RF sputtering	03 years Rs.12000/-	28 years
11.0	Project Assistant Level-III – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics) with 02 years post M.Sc. experience OR 1 <sup>st</sup> Class M.Tech. (Instrumentation/ Material Science)	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 Rs.12000/-	30 years
12.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics/ Electronics/ Materials science) with specialization in semiconductor devices and related areas	NET/GATE qualified. Some experience in thin film deposition/ semiconductor device processing	Assist in procurement of thin film deposition system and in setting up of facility. Assist in operation of facility for fabrication of GaN LED devices	31.03.2012 Rs.10000/-	28 years
13.0	Project Assistant Level-II (01 (One)	1 <sup>st</sup> Class M.Sc. (Physics)	M.Tech. (Material Science) OR M.Phil. (Physics)	To carry out synthesis of conducting polymers by insitu incorporation of nano filler materials and studying their microwave behaviour	31.03.2012 Rs.10000/-	28 years
14.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Organic Chemistry) with 01 year experience	Experience in gas chromatography, gas metrology	For gas metrology activities	31.03.2012 Rs.10000/-	28 years
15.0	Project Assistant Level-III – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics) with 02 years experience	Knowledge of computer programming and software	Monitoring of program, prepare report, protocols etc.	31.12.2009 Rs.14000/-	32 years
16.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics)		To prepare and characterize carbon composite bipolar plates for PEM fuel cell stack	18.10.2010 Rs.10000/-	28 years

17.0	Project Assistant Level-IV – 02 (Two)	Ph.D. (Biochemistry/ Bio-technology)	Experience in Biosensors	R&D on biosensor development and fabrication	05.02.2012 Rs.16000/-	30 years
18.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics) 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.10000/-	28 years
19.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics/ Environmental Science) with NET Qualified	Knowledge of computer operation and data analysis	Field and laboratory experiments and data analysis	Rs.12000/- 05.07.2012	28 years
20.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics/ Environmental Science) with NET Qualified		Field and laboratory experiments and data analysis	Rs.12000/- 06.03.2010	28 years
21.0	Project Assistant Level-II – 01 (One)	1 <sup>st</sup> Class M.Sc. (Physics)	Knowledge in software and data analysis	Data Analysis	Rs.12000/- 06.02.2010	28 years
22.0	Research Intern – 06 (Six)	1 <sup>st</sup> Class M.Sc. (Physics)		R&D in any of NPL areas	02 years Rs.11500/-	25 years
23.0	Research Intern – 02 (Two)	1 <sup>st</sup> Class M.Sc. (Chemistry)		R&D in any of NPL areas	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. 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 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 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 GOI instructions

**Eligible candidates may appear together with duly filled-in downloaded Application Form (back-to-back), for "Floating (Walk-in) Interview" on 20.08.2009 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

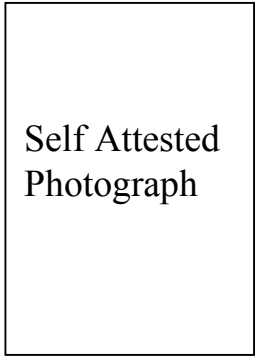
Note: Candidate should go through advertisement carefully for their suitability in the area.



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**Dr. K.S. Krishnan Road, New Delhi - 110012**

**Floating (Walk-in) Interview : 20<sup>th</sup> August, 2009**

AREA : Physics / Instrumentation / Chemistry (Please encircle)



NAME : .....

FATHER'S NAME : .....

DATE OF BIRTH : ..... STATUS : GEN / SC / ST / OBC / PH

CORRESPONDENCE  
 ADDRESS WITH  
 PHONE NO. & EMAIL ADDRESS

**EDUCATIONAL QUALIFICATIONS (starting from 10th / matriculation) :**

Degree	Area/Subject	Board / University	Year	Class/ Division	% marks or GPA

YEAR OF QUALIFYING : NET \_\_\_\_\_ GATE \_\_\_\_\_

**PUBLICATIONS AND PATENTS, if any :**

No. of papers in Journals \_\_\_\_\_ No. of papers in Conferences \_\_\_\_\_ No. of patents granted / filed \_\_\_\_\_

**EMPLOYMENT RECORD (if any) :**

Institution	Designation	Salary p.m.	From	To

If working at NPL, Post \_\_\_\_\_ DP name \_\_\_\_\_

Name, Designation & Lab./Instt. of the relative,  
 if any working in CSIR/NPL or its sister Lab./Instt. ....

**WHICH POSITION WOULD YOU LIKE TO BE CONSIDERED FOR (IN ORDER OF PREFERENCE) Please mention the Post code.**

1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

Date : 20.08.2009

(Signature)

Write in 200 words why you are suitable to work at NPL

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For Office use only

**POINTS AWARDED**

From back page	
From screening interview (out of 20)	
TOTAL	

FORWARDED TO SELECTION COMMITTEE:  
(please write yes or no)

Signatures by Screening Committee

MEMBER

MEMEBR

MEMBER

MEMBER