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**NATIONAL PHYSICAL LABORATORY**  
वैज्ञानिक अनुसंधान परिषद का वैज्ञानिक प्रयोगशाला  
(Council of Scientific & Industrial Research)  
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Dr. K.S. Krishnan Marg, New Delhi – 110012



Advt. No. 4/2011

**"FLOATING (WALK-IN) INTERVIEW ON 9th August, 2011"**

NPL, New Delhi (a constituent laboratory of CSIR) desires to have qualified incumbents for purely temporary and contractual positions of "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 & Remuneration (consolidated) Per Month	Maximum age limit as on 09.08.2011
1	Project Assistant Level-III-01 (One)	1 <sup>st</sup> Class M.Sc. (Physics) with LS NET plus 2 years research experience in preparation and studies of thin films	Experience in Low Temperature Physics	R&D	"JC Bose National Fellowship"	3 years Rs.14000/-	32 years
2	Project Assistant Level-II-01 (One)	1st Class M.Sc (Biochemistry/ Biotechnology) with LS NET plus experience in biomolecular science	-	Collection and analysis of the human tissue samples from Hospitals	Infrared Spectroscopic study for tumor diagnosis	31.12.2011 Rs.12000/- /Rs.14000/-	28 years
3	Project Assistant Level-III - 01 (One)	1st Class M.Tech (Electronics/ Bioelectronics)	Knowledge of biosensors	Technology development of sensors	DST Center on " Biomolecular Electronics"	05.02.2012 Rs.18000/-	32 years

4	Project Assistant Level-III - 01 (One)	1st Class M.Tech (Photovoltaics/ Nanoscience & technology) OR 1st Class M.Sc (Physics/Material Science) with 2 years experience in fabrication of devices	Knowledge of semiconductors/nano science and materials	Solar cell fabrication	R&D on Photovoltaics and Related applications.	31.03.2012 Rs. 12000/-	32 years
5	Project Assistant Level-II– (DST-JRF) 01 (One)	1st Class M.Sc (Physics/Chemistry) or equivalent with NET	Knowledge in nano-science and technology	Investigations in nano-structured hybrid and organic solar cells	Advancing the efficiency and production potential of excitonic solar cells (APEX)	17.01.2014 Rs.16000/-	28 years
6.	Project Assistant Level-IV (DST-RA) 01 (One)	Ph.D (Physics/Electronics/ Materials/nano-materials/composites)	Knowledge in nano science and technology/in the area of organic electronic devices and materials.	Investigations in nano-structured hybrid and organic photovoltaic materials and devices	Advancing the efficiency and production potential of excitonic solar cells (APEX)	17.01.2014 Rs.22000/-	35 years
7.	Project Assistant Level-II– 01 (One)	1st Class M.Sc (Physics)	Knowledge of computer programming	UV measurements and modeling, atmospheric aerosols	Multi-centric collaborative study on the impact of Environmental changes and Ultra Violet Radiation (UVR) exposure on ocular health in India.	11.03.2014 Rs.12000/-	28 years
8	Research Associate 01 (One)	Ph.d (Physics/Radio Tech./Radio Physics/Meteorology/ Atmospheric Science) with M.Sc (Physics/Meteorology)	Research experience on radio science/atmospheric science related to meteorology/weather phenomena	Research work related to generation of radio/meteorology data and its analysis and interpretation	Radio environment characterization and radio propagation modeling over the Indian subcontinent under <b>CSIR Emeritus Scientist Scheme</b>	01.05.2014 Rs.22000/- plus HRA	35 years
9	Project Assistant Level-II- 01 (One)	1st Class M.Sc (Physics/Electronics)	1 Nano Particles 2 Use of SEM/AFM/Interferometry/optical profiler 3 Nano level measurements	Nanometrology: measurements and establishment of suitable standards/equipments e.g. optical profiler, Metrology AFM etc.	Generic Development of Nanometrology for Nanotechnology at NPL, India	12.12.2012 Rs.12000/-	28 years

10	Project Assistant Level-III 01 (one)	1st Class B.Tech Instrumentation/ Electronics Communication with minimum 400 marks in GATE with 2 years experience	Knowledge of PT Programme Computer Software like visual basics	To compile the data and evaluation of results related with Electrical/Electronics and physical standards	To conduct Inter Laboratory PT amongst the NABL Accreditation Lab.	December, 2012 Rs.16000/-	32 years
11	Project Assistant Level-III 02 (Two)	1st Class M.Tech in Nanotechnology or Polymer Technology	Experience in development of carbon Nanotube based composites	To prepare carbon nanotubes-polymer composites	Dispersion and Alignment of CNTs and Development of CNT reinforced Composites	31.01.2012 Rs.18000/-	32 years
12	Project Assistant Level-III (DST-SRF) 01 (One)	1st Class M.Sc (Chemistry/Environmental Science) with NET Lectureship with two years experience in Environmental Chemistry/Science	Experience to work with Gas chromatograph	Atmospheric aerosols sampling and analysis, data interpretation	Chemical characteristics and Source Apportionment of Atmospheric Organic Aerosols in Delhi region	04.07.2014 Rs.14000/-	32 years
13	Project Assistant Level-III - 01 (One)	1st Class M.Sc (Physics) with 2 years experience	-	On Atmospheric aerosols and radiation	Seasonal variation of column aerosol properties, aerosol radiation forcing and the assessment of the impact of absorbing (BC) and desert dust aerosols in the mega-city of Delhi	28.06.2014 Rs. 18000/-	32 years
14	Project Assistant Level-II 01 (One)	1st Class M.Sc (Physics/Atmospheric Science/Geophysics)	On atmospheric aerosols and radiation and/or meteorology	Measurement and modeling of atmospheric aerosols and solar radiation	Seasonal variation of column aerosol properties, aerosol radiation forcing and the assessment of the impact of absorbing (BC) and desert dust aerosols in the mega-city of Delhi	28.06.2014 Rs.16000/-	28 years
15	Project Assistant Level-II 01 (One)	1st Class M.Sc (Physics)	Should have knowledge about XPS and MBE	Assist in growth of GaN in MBE and work on XPS systems	Fabrication of LED devices and systems for solid state lighting applications	31.03.2012 Rs.10000/-	28 years

16	Research Intern 05 (Five)	1st Class M.Sc (Physics)	-	-	CSIR Diamond Jubilee Research Intern Award Scheme	02 years Rs.15000/-	<b>25 years</b> 25 years for Male and 30 years in case of SC/ST/ OBC and female candidates
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### **General Conditions :-**

1. The engagement of Project Assistant will initially be for one year or the duration of the project whichever is earlier. The tenure will be extended further based on the performance and 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 'resignation' and 'No Dues certificate' from the previous project.** The maximum duration, for which Project Assistant could be engaged in different projects taken together, will be 5 years. The performance of the Project Assistants would be reviewed periodically so that any one not found up to the mark, could be replaced.
2. Candidate should possess the required educational qualification as on date of interview.
3. Candidate should consciously choose the area for which his/her candidature is suitable and accordingly give order of preference.
  - 3.1 Leave: Project Assistant will be entitled for one day leave for each completed month's service.
  - 3.2 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.
  - 3.3 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.
  - 3.4 Registration for Ph.D : The Project Assistant will not be allowed to register himself/herself for Ph.D.
  - 3.5 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".
4. Candidate should possess the required educational qualification as on date of interview.
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 09.08.2011 between 08.30 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.



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 (Council of Scientific & Industrial Research)  
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 Dr. K.S. Krishnan Marg, New Delhi – 110012

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1.	पेस्ट कोड Post Code applied for			
2.	आवेदित पद का नाम Name of the Post			
3.	अभ्यर्थी का नाम Name of candidate			
4.	पिता/पति का नाम Father's/Husband's Name			
5.	जन्म तिथि Date of Birth			
6.	साक्षात्कार की तिथि को आयु Age as on date of interview	( ) 0"kl Years	( ) माह Months	( ) दिन Days
7a.	स्थायी पता Permanent address			
7b.	पत्राचार का पता Correspondence address			
8.	ई-मेल E-mail			
9.	टेलीफोन नं० Telephone number			
10.	श्रेणी Category  vkj f{kr g\$ gk@ ugh ( ) Reserved, Yes/No ( )	सामान्य General ( )	अनुसूचित जाति Schedule Caste ( )	अनुसूचित जनजाति Schedule Tribe ( )
		अन्य पिछड़ा वर्ग Other Backward Class ( )	अन्य Others ( )	
	1/4; fn vkj f{kr g\$ rks nLrkost ka ds l ayXu dh i "B l d[; k .....½ ( If reserved, page no. of enclosed certificate .....)			
11.	यदि एन.पी.एल/सी.एस.आई.आर. में आपका कोई संबंधी है Have to any blood relative related in NPL/CSIR  हाँ नहीं YES NO	यदि हाँ If, Yes नाम..... संबंध ..... Name..... Relation..... पदनाम..... Designation संस्थान/iz; ksx' kkyk का नाम एवं पता..... ..... Name and address of the Institute/Lab .....		

12. 'कक्षा 10 से शुरू की गई शिक्षा (Educational Qualification Start with 10th class onwards)					
मार्क प्राप्त की गई परीक्षा Passed Examination	पठक का नाम Name of Board/ University	मार्क प्राप्त की गई वर्ष Year of passing	विषय Subject	प्राप्त की गई अंश प्रतिशत Percentage of Marks	निलंबित दस्तावेजों की संख्या Page no. of enclosed certificate
10th passed					
12th passed					
13.	आपने CSIR/UGC NET परीक्षा में भाग लिया है/क्या आपने CSIR/UGC NET परीक्षा में भाग लिया है? Have you qualified CSIR/UGC NET Examination		हां/नहीं Yes/No (If yes, write the page no. of enclosed documents-----)		
14.	कार्य अनुभव Work experience				
आपने काम किया Name of Lab/Institute	पद Designation	कार्य की अवधि Period of time		कुल अवधि (वर्ष, माह, दिन) Total Duration (Years, Months, Days)	निलंबित दस्तावेजों की संख्या Page no. of enclosed certificates
		से From	तक To		
15.	आपने किसी भी CSIR प्रयोगशाला/प्रायोगिक संस्थान में काम किया है/क्या आपने किसी भी CSIR प्रयोगशाला/प्रायोगिक संस्थान में काम किया है? यदि हां, तो विवरण दें:- Have you worked in any CSIR Lab/Institute? If yes, give details:-				
आपने काम किया Name of Lab/Institute	परियोजना का नाम Name of Project	कार्य की अवधि Period of time		कुल अवधि (वर्ष, माह, दिन) Total Duration (Years, Months, Days)	
		से From	तक To		

मैं यहाँ घोषणा करता हूँ कि मैंने इस आवेदन में जो सभी बातें लिखी हैं वे सत्य और पूर्ण हैं और मैंने किसी भी प्रकार की धोखाधड़ी या तथ्यात्मक जानकारी को छिपाया/बिगड़ दिया है, मेरा कार्य बिना सूचना के समाप्त किया जा सकता है।

I hereby declare that all the statements made in this application are true and complete to the best of my knowledge and belief and nothing has been conceal/distorted any material information, my engagement is liable to be summarily terminated without notice.

दिनांक :

Date :

आपका हस्ताक्षर  
Signature of candidate