



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. 02/2012

“FLOATING (WALK-IN) INTERVIEW ON 01.03.2012 & 02.03.2012”

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

Day 1 : 01.03.2012 - Physics, Nanoscience, Electronics & Electrical

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 01.03.2012
1.1	Research Associate - 01 (One)	Ph.D (Physics) with experience in Superconductivity and low temperature experiments	Nanoparticles thin films superconducting and magnetic materials	To work on magnetic nano particles thin films etc. Superconductivity and low temperature experiments	Study of magnetic nanoparticles, thin films and heterostructures	17.10.2014 Rs.22,000/- +HRA	35 years
1.2	Junior Research Fellow - 02 (Two)	M.Sc. (Physics) with NET qualified	Nil	To work on magnetic nano particles thin films etc. Superconductivity and low temperature experiments	Study of magnetic nanoparticles, thin films and heterostructures	17.10.2014 Rs.16,000/- +HRA	28 years
2.0	Junior Research Fellow - 01 (One)	B.E./B.Tech (Electronics/ Nanotechnology) with GATE OR M.Sc.(Chemistry/Physics) with NET qualified	Nil	To prepare and characterize CNT grown carbon fibre paper samples for PEM fuel cell	A novel way to reduce Platinum metal loadings in a carbon nano-composite electrode to produce low cost-high efficiency commercially viable Polymer Electrolyte Membrane (PEM) fuel cells	11.04.2013 Rs.16,000/- + HRA for BE with GATE or M.Sc. with NET qualified Rs.12,000/- + HRA for NET (LS)	28 years

3.0	Project Assistant - 01 (one)	1 st Class M.Sc. (Nanoscience)	Knowledge in nanoscience & technology in the area of photovoltaics preferably CuInGaSe2 & related materials.	Synthesis and Characterization of CuInGaSe2 & related nanocrystals by wet chemical route	R & D on Thin Film Solar cells	14.06.2015 Rs. 15,000/- (including HRA)	28 years
4.0	Junior Research Fellow - 02 (Two)	M.Sc. (Electronics/ Physics/Geo-Physics/ Atmos.Sci.) with atleast 55% marks plus NET qualified and 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. 16000/- + HRA	28 years
5.0	Research Associate 01 (one)	Ph.D (Physics/ Geophysics/ Atmospheric Sciences)	On atmospheric aerosols and radiation	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.22,000/-+ HRA	35 years
6.0	Sr, Research Fellow - 01 (one)	M.Tech. (Material Science/Nano Technology) with atleast 60% marks	Knowledge in nano science and technology in the area of organic photovoltaic devices and materials	Investigations in nano-structured hybrid and organic photovoltaic materials and devices	Advancing the efficiency and production potential of excitonic solar cells (A PEX)	17.01.2014 Rs. 18,000/- +HRA	32 years
7.1	Senior Project Fellow - 01 (one)	M.Tech./M.E.(Electronics and communication) with atleast 60% marks	Project in area of Microwave synthesis	Electronic Development	Design and Development of Novel optically pumped cesium fountain	31.03.2014 Rs. 18,000/- +HRA	32 years

7.2	Senior Project Fellow 01 (one)	M.Sc.Physics with atleast 55% marks with 02 years of post M.Sc. research experience plus atleast one publication in SCI Journal OR M.Tech. (Engineering/Technology) with atleast 60% marks OR B.Tech. with at least 60% marks and 02 years of post B.Tech. research experience	Research experience in area of Electronics/Optics/Vacuum Hardware/Atomic Physics	R & D work on Electronics/Optics/Vacuum Hardware of Cesium Fountain Frequency standard	Design and Development of Novel optically pumped cesium fountain	31.03.2014 Rs.18000/- +HRA	32 years
8.1	Project Assistant 02 (Two)	1 st Class M.Sc. (Physics/Chemistry/Electronics/Mathematics) OR 1 st Class B.Tech./B.E. (Electronics)	Research Experience in area of instrumentation/chemistry/glass blowing/thin films/vacuum technology	Fabrication of Glass Hardware, cleaning with chemicals, chemical reaction under vacuum at high temperature, glass blowing	Development of Rubidium atomic clock	31.07.2012 Rs.16,000/- HRA	28 years
8.2	Project Assistant 01 (one)	1 st Class M.Sc. (Physics/Chemistry/Electronics/Mathematics) OR 1 st Class B.Tech./B.E. (Electronics)	Research Experience in area of instrumentation/chemistry/glass blowing/thin films/vacuum technology	Procurement of isotopes, development of Glass Apparatus and filling Rubidium released from chemical reaction under vacuum in bulb and cell	Development of Rubidium atomic clock	31.07.2012 Rs.16,000/- HRA	28 years
9.1	Senior Project Fellow- 01 (One)	M.Tech/M.E. (Electrical/Electronics/Material Science/Nano-Technology) with atleast 60 marks	Knowledge in Thin film coating/ nano science and technology / in the area of organic electronic devices and materials	Investigations in nano-structured hybrid and organic photovoltaic materials and devices	Novel approaches for solar energy conversion under TAPSUN program	31.03.2017 Rs.18000/- + HRA	32 years
9.2	Senior Project Fellow - 02 (Two)	M.Sc.(Physics) with atleast 55% marks with 02 years Post M.Sc. experience plus atleast one publication in SCI journal	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	Novel approaches for solar energy conversion under TAPSUN program	31.03.2017 Rs.18000/- + HRA	32 years

10.0	Senior Project Fellow - 01 (One)	B.Tech. (Metallurgy/ Material Science/ Mechanical Engineering/ Engineering Physics with atleast 60% marks with 02 years of post B.Tech. research experience OR M.Sc.(Physics) with atleast 55% marks with 02 years post M.Sc. experience plus atleast one publication in SCI journal	Experience in synthesis and characterization of alloys and composites	Synthesis and characterization of thermoelectric materials and devices	Development of efficient thermoelectric materials & devices by harnessing solar energy and waste-heat under TAPSUN program	31.03.2017 Rs.18000/- + HRA	32 years
11.0	Research Associate 01 (one)	Ph.D. (Physics/ Atmospheric Sciences/ Radio Physics/Radio Tech/ Meteorology) OR M.Tech with three years research post M.Tech. teaching experience with at least one research paper in SCI Journal	Research experience on radio science/atmospheric sciences related to meteorology/weather phenomena	Research work related to a generation of radio/meteorology data and its analysis and interpretation	Radio environment characterization and radio propagation modeling over the Indian subcontinent (Under CSIR Emeritus Scientist Scheme)	01.05.2014 Rs.22,000/- (including HRA)	35 years
12.0	Senior Research Fellow 01 (One)	M.Sc.(Physics) with atleast 55% marks with 02 years post M.Sc. experience with at least one research paper in SCI Journal	Experience in Low Temperature Physics	R & D	Studies of superconductivity in FeAs and FeSe bulk and thin films (Under CSIR Emeritus Scientist Scheme)	10.01.2015 Rs. 18,000/-+ HRA	32 years
13.1	Research Interns 07 (seven)	1 st Class Master Degree in Physics	--	--	Under CSIR Diamond Jubilee Research Intern Award Scheme	Rs.15,000/- For 2 years	25 years (25 years for male and 30 years in case of SC/ST/OBC and female candidates)
13.2	Research Interns 01 (one)	1 st Class B.Tech. /B.E. (Electrical) and qualified GATE with atleast 400 marks	--	--	Under CSIR Diamond Jubilee Research Intern Award Scheme	Rs.15,000/- For 2 years	
13.3	Research Interns 01 (one)	1 st Class B.Tech./B.E. (Electronics) and qualified GATE with atleast 400 marks	--	--	Under CSIR Diamond Jubilee Research Intern Award Scheme	Rs.15,000/- For 2 years	

Day 2 : 02.03.2012 - Chemistry, Environmental Science, Civil & Mechanical

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 01.03.2012
14.0	Project Assistant - 01 (One)	1 st Class M.Sc.(Chemistry/ Physics)	Knowledge of conducting Polymers & Fly-Ash treatment	To work in MOEF project on Fly-Ash composites for Shielding Applications	Modification & Designing of Flyash composites for shielding applications	19.12.2013 Rs. 12,000/-	28 years
15.0	Project Assistant - 01 (One)	1 st Class M.Sc.(Chemistry/ Environmental Sciences)	Laboratory as well as field experiments in the area of atmospheric measurements	Field & lab experiments and data analysis	Study of distribution and sources of ambient ammonia over national capital region (NCR)	05.07.2012 Rs. 10,000/- including HRA	28 years
16.0	Senior Research Fellow – 01 (One) OR Junior Research Fellow -01 (One)	M.Sc.(Chemistry/Environmental Science) plus NET (LS) qualified with 02 years post M.Sc. experience OR M.Sc.(Chemistry/Environmental Science) plus NET (LS) qualified	Experience to work with Gas Chromatograph	Atmospheric aerosols sampling and analysis, data compilation	Chemical characteristics and source apportionment of atmospheric organic aerosols in Delhi region	04.07.2014 Rs. 14,000/- +HRA for SRF OR Rs. 12,000/- +HRA for JRF	32 years for SRF OR 28 years for JRF
17.0	Project Fellow - 01 (One)	M.Sc.(Environmental Science/Chemistry) with atleast 55% marks	Experience in emission inventory preparation for energy sector	To help in preparing emission inventories from energy sector	Preparation of Energy Sector GHG Emission Inventory and Assessment of heat stress vulnerability under future climate change scenarios in India	15.08.2013 Rs. 14,000/- +HRA	28 years
18.0	Research Associate 01 (one)	Ph.D. (Chemistry/ Physics)	Experience in polymer synthesis or solar cell fabrication	Investigations in nano-structured hybrid and organic photovoltaic materials and devices	Advancing the efficiency and production potential of excitonic solar cells (A PEX)	17.01.2014 Rs. 22,000/- +HRA	35 years
19.1	Research Interns 01 (one)	1 st Class Master Degree in Chemistry	--	--	Under CSIR Diamond Jubilee Award Scheme	Rs. 15000/- for 2 years	(25 years for male and 30 years in case of SC/ST/OBC and female candidates)
19.2	Research Interns 02 (Two)	1 st Class B.Tech. (Mechanical) and qualified GATE with atleast 400 marks or its equivalent	--	--	Under CSIR Diamond Jubilee Award Scheme	Rs. 15000/- for 2 years	
19.3	Research Interns 01 (one)	1 st Class B.Tech.(Civil) and qualified GATE with atleast 400 marks or its equivalent	--	--	Under CSIR Diamond Jubilee Award Scheme	Rs. 15000/- for 2 years	

General Conditions :-

1. 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 28.03.2003 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 TA/DA: Project staff will be entitled for TA/DA as per JRF, SRF and RA respectively while on official tour.
- 2.4 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.
- 2.5 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 two years and have atleast cleared CSIR-UGC Lecturership (NET) or GATE examination or published 02 papers in international peer reviewed journals.
- 2.6 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 should consciously choose only one position in the area for which his/her candidature is suitable.
5. **Mode of Selection** : Selection will be made by the Selection Committee after interviewing the candidates. 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/PH/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 the dates and areas as mentioned above between 08.30 AM to 09.30 AM (candidate will not be entertained after 09.30 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/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 in the interview.

Controller of Administration

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



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विज्ञापन संख्या 02/2012 / Advt. No. 02/2012

फ्लोटिंग साक्षात्कार / Floating (Walk-in) Interview : 01.03.2012 & 02.03.2012

1.	पोस्ट 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	() वर्ष 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	सामान्य General ()		
	आरक्षित है, हाँ / नहीं () Reserved, Yes/No ()	अनुसूचित जाति Schedule Caste ()		
		अनुसूचित जनजाति Schedule Tribe ()		
		अन्य पिछड़ा वर्ग Other Backward Class ()		
		अन्य Others ()		
	(यदि आरक्षित है तो दस्तावेजों के संलग्न की पृष्ठ संख्या) (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	यदि हाँ If, Yes		
	हाँ नहीं YES NO	नाम..... संबंध Name..... Relation.....		
		पदनाम..... Designation		
		संस्थान/प्रयोगशाला का नाम एवं पता..... Name and address of the Institute/Lab		

12. शैक्षिक योग्यता (उच्चतम से प्रारम्भ करें) Educational Qualification Start with Highest Qualification)					
उत्तीर्ण परीक्षा Passed Examination	विश्वविद्यालय/बोर्ड का नाम Name of Board/ University	उत्तीर्ण परीक्षा का वर्ष Year of passing	विषय Subject	अंकों का प्रतिशत Percentage of Marks	दस्तावेजों के संलग्न की पृष्ठ संख्या Page no. of enclosed certificate
13.	क्या आपने सीएसआईआर/यूजीसी नेट की परीक्षा उत्तीर्ण की है। Have you qualified CSIR/UGC NET Examination		हाँ / नहीं (यदि हाँ तो दस्तावेज के संलग्न की पृष्ठ संख्या.....) Yes/No (If yes, write the page no. of enclosed documents-----)		
14.	कार्य का अनुभव Work experience				
संस्थान/ प्रयोगशाला का नाम Name of Lab/Institute	पद Designation	कार्य की अवधि Period of time		कुल अवधि (वर्ष, माह एवं दिन) Total Duration (Years, Months,Days)	दस्तावेजों के संलग्न की पृष्ठ संख्या Page no. of enclosed certificates
		से From	तक To		
15.	क्या आपने इससे पहले सीएसआईआर की किसी भी प्रयोगशाला/संस्थान में कार्य किया है यदि हाँ तो विस्तृत विवरण प्रस्तुत करें। Have you worked in any CSIR Lab/Institute? If yes, give details:-				
संस्थान/ प्रयोगशाला का नाम Name of Lab/Institute	परियोजना का नाम Name of Project	कार्य की अवधि Period of time		कुल अवधि (वर्ष, माह एवं दिन) Total Duration (Years, Months,Days)	
		से From	तक To		

मे यह घोषणा /करता हूँ /करती हूँ कि इस आवेदन में दिये गये विवरण मेरे विश्वास के अनुसार पूर्ण रूप से सत्य है यदि कोई सूचना असत्य/ गलत /छिपाई गयी साबित होती है तो आप मेरा आवेदन तुरन्त /किसी भी समय निरस्त कर सकते 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 :

प्रार्थी / प्रार्थिनी के हस्ताक्षर
Signature of candidate