सी.एस.आई.आर. – राष्ट्रीय भौतिक प्रयोगशाला
CSIR-NATIONAL PHYSICAL LABORATORY
(वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद्)
(Council of Scientific & Industrial Research)
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Dr. K.S. Krishnan Marg, New Delhi – 110012

Advertisement No. 06/2012

"FLOATING (WALK-IN) INTERVIEW ON 17th & 18th Oct. 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, Project Associate 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:-

1st day (17.10.2012)

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 17.10.2012
1.0	Research Associate one (01) GAP-123332/ R9090101	Ph.D. (Physics/ Material Science)	Experience in Low Temperature condensed matter physics and superconducting materials research	Research work-search for new superconductors	"DAE-SRC outstanding investigator Award Fellowship-search for new superconductors	21.08.2017 Rs.32,000/-pm (Consolidated)	30 years
2.0	Jr. Research Fellow Two (02) GAP-114132	M.Sc.(Physics)55% with NET (CSIR/UGC/Lectureship) qualified	Experimental Physics	Preparation, characterization and low temperature experimentation on nanoparticles & thin films of magnetic and superconducting materials	Study of magnetic anisotropy in magnetic nanoparticles, thin films and hetereostructures	17.10.2014 Rs.16,000/-+ HRA p.m. for Net qualified Rs.12000/- +HRA For LS	28 years

3.1	Research Associate 0ne (01) GAP-113532	Ph.D in Physics/ Material Science/Electronics in the area of materials & solar cells	Experience in semiconductor device/physics/solar cells & materials	Fabrication of amorphous & micro/ nano crystalline silicon solar cells & its analysis	R&D on thin film solar cells	14.06.2015 Rs.26,000/-pm (including HRA) (1st & 2nd yr) Rs.28600/-pm including HRA after two years	30 years
3.2	Jr.Research Fellow Five (05) GAP-113532	M.Sc. (Physics/ Electronics/Materials Science) 55% with NET	Dissertation carried out in the area of thin films	Deposition and characterization of amorphous & micro/ nano crystalline silicon and CIGS films and its analysis for the fabrication of efficient solar cells	R&D on thin film solar cells	14.06.2015 Rs.20,800/-pm (including HRA) (1st & 2nd Years) Rs.23400/-pm including HRA after two years	28 years
4.0	Project Assistant-III One (01) GAP-050732	M.Tech./ Ph.D (Physics/Materials/Electronics/Nano science/ Nanotechnology)	---	Nano metrology, low level electrical measurements and related R&D	Generic development of nano metrology for nanotechnology at NPL, India	31-12-2014 Rs.14,000/- (Consolidated)	28 years
5.0	Project Associate One (01) GAP-114432	M.Sc. Physics with Ist Division	Knowledge of upper atmospheric physics, computer programming	Research related work	Comparative study of space weather at terrestrial planets	07.02.2015 Rs.16000/-pm fixed	30 years
6.0	Jr. Research Fellow Two (02) GAP-114232	M.Sc (Phys./Maths)with 55% marks + Net qualify for lecturership	Knowledge of computer programming	Modeling analysis of atmospheric data to find oxidizing capacity of the atmosphere	Determination of the impact of oxidizing capacity of the troposphere on the abundance of CO and CH4 with special reference to India	30.01.2015 Rs.12000/-+ HRA	28 years
7.0	Jr. Research Fellow One (01) GAP-113432	M.Sc.(Physics/Maths/ Atmospheric sci., (Geophysics) with 55% marks + NET qualified	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/- +HRA	28 years

8.0	Jr. Research Fellow One (01) GAP-123432	M.Sc. (Physics) with 60% marks + NET qualified with one year research experience	Knowledge of liquid crystals, nano-materials, optics	Research work	To explore the electro-optical properties of nano-materials doped ferroelectric liquid crystals and their application in the fabrication of optical devices.	14.05.2017 Rs.16000/- +HRA	30 years
9.0	Project Assistant One (01) GAP-105432	Ist class M.Sc (Physics)	Two years research experience in X-ray diffraction experiments	Experimental work in high resolution X-ray diffraction	DST Ramana fellowship," A new high resolution X-ray reflection facility with unprecedented resolution and investigation to Nano layers and solid surfaces"	31.12.2013 Rs.16,000/- fixed	28 years
10.0	Project Associate One (01) GAP-113932	M.Sc. Physics Ist Division	--	Experimental and secretarial work	Standardization for nano science and technology: spreading its awareness in India and participation in international organization for standards (ISO) activities on nano metrology	04.10.2014 Rs.14,000/- consolidated	28 years
11.0	Research Intern Six (06)	1st class M.Sc (Physics)	Specialization in solid state physics/ knowledge of material science, solar cells, ultrasonic, low temperature physics.	---	Under CSIR Diamond Jubilee Award Scheme	Rs.15000/- for 2 years	25 years (25 years for male and 30 years in case of SC/ST/OBC and female candidate

2nd Day (18.10.2012)							
12.0	Project Assistant-II One (01) GAP-050732	Ist Class (B.Tech/BE) in electrical/electronic/EC/ Instrumentation	--	Nano metrology, low level electrical measurements and related R&D	Generic development of nano metrology for nanotechnology at NPL, India	31-12-2014 Rs.12000/- (Consolidated)	28 years
13.0	Sr Project Fellow One (01) NWP-55	M.Tech.(Material Scinece\ Nanotechnology with 60% marks	Experience in Materials science, synthesis of nanoparticles	To synthesize nanoparticles of luminescent materials and make thin films	Efficient Si photovoltaics with smart electronics and light systems under TAPSUN program	31.03.2017 Rs.18000/- +HRA	28 years
14.0	Project Associate One (01) GAP-113932	M.Sc. Chemistry Ist Division	--	Experimental and secretarial work	Standardization for nano science and technology: spreading its awareness in India and participation in international organization for standards (ISO) activities on nano metrology	04.10.2014 Rs.14000/- consolidated	28 years
15.0	Project Assistant One (01) GAP-123232	M.Sc.(Physical chemistry) with 55% marks	Growth of nano materials/ solar cells	Growth of ZnO nanorods, CdTe thin films	Enhancement of solar cell efficiences using tapered ZnO nanorods-CdTe polycrystalline thin film structure	29.08.2015 Rs.16000/- consolidated	28 years
16.0	Sr.Project Fellow One (01) NWP-54	M.Tech./Nano sci., Nano-technology, Material science with 60% marks	Experience in organic solar cells fabrications and characterization, organic semiconductor thin film deposition and characterization	Investigation of OPV materials, fabrication of organic solar cells and characterization	Novel approaches for solar energy conversion (CSIR-TAPSUN)	31,03.2017 Rs.18000/-+ HRA	28 years

17.0	Sr. Project Fellow One (01) NWP-56	M.Tech. in polymer science/ nanotechnology with 60% marks OR Ph.D in chemistry	To have knowledge of conducting polymers	To do project work in the above area.	Innovative solutions for solar Energy storage	31.03.2017 Rs.18000/-+ HRA	28 years
18.0	Project Assistant One (01) GAP-114332	1st class M.Sc. (Chemistry) + 1 year experience OR M.Tech. in Polymer science/ Nanotechnology	To have some knowledge of conducting polymers & flyash composites	To do project work in the above area.	Modification & Designing of Fly-ash composites in Building materials for energy conservation & shieding applications.	19.12.2013 Rs.12000/- +HRA	28 years
19.0	Jr. Research Fellow One (01) GAP-106232	M.Sc.(Chemistry/ Materials Science) with 55% marks + Net qualified	Nil	To prepare and characterize carbon fibre composite papers for PEM fuel cell electrode	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	31.07.2013 Rs.16,000/-+ HRA	30 years
20.0	Research Intern Two (02)	1st class M.Sc. in Physical Chemistry	Knowledge of polymer chemistry	--	Under CSIR Diamond Jubilee Award Scheme	Rs.15000/- for 2 years	25 years (25 years for male and 30 years in case of SC/ST/OBC and female candidate

21.0	Research Intern One (01)	1st class B.E./ B. Tech with computer science	C++ Embeded electronics, JAVA dot net	--	Under CSIR Diamond Jubilee Award Scheme	Rs.15000/- for 2 years	25 years (25 years for male and 30 years in case of SC/ST/OBC and female candidate
22.0	Research Intern One (01)	1st class B.E. / B. Tech with Electronics	Knowledge of digital circuit interfaced to microcontroller	--	Under CSIR Diamond Jubilee Award Scheme	Rs.15000/- for 2 years	25 years (25 years for male and 30 years in case of SC/ST/OBC and female candidate

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 at least 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** : 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 to be interviewed by Selection Committee. 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 09.00 AM to 10.00 AM (candidate will not be entertained after 10.00 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.