



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



**“ONLINE INTERVIEW FOR FLOATING STAFF ON 31<sup>th</sup> March, 2021,”**  
**Advertisement No.Rectt. /01/2021**

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

Post code	Post & No. of positions	Essential Educational Qualification	Desirable	Job description	Project /Scheme Title	Tenure of project & Emoluments/ stipend per month	Age as on 31/03/2021
1.0	Project Assistant -I One (01) MLP 0630	B.Sc. Chemistry or equivalent with minimum 55% marks	Knowledge of Polymer database and handling of plastic processing equipment.	To carry out extrusion and blending of waste plastic	Development of prefabricated plastic panels for road construction	Rs. 20,000/-+ HRA (up to 03.09.2023)	28 Years
2.0	Project Assistant -I One (01) GAP 200332	B.Sc. Chemistry or equivalent with minimum 55% marks	NA	Carry out work as directed	Bulk preparation of p-type and n-type materials for excitonic solar cells	Rs. 20,000/-+ HRA (up to 15.01.2024)	50 Years
3.0	Project Assistant -I One (01) TSP 180632	B.Sc. Physics or equivalent with minimum 55% marks	Experience of working with Lasers/dimensional metrology.	Establishment of reference standard for length.	Establishment of reference standard for length at Regional Reference standards laboratory, Bangalore	Rs. 20,000/-+ HRA (up to 26.11.2021)	28 Years
4.0	Project Assistant Level-II One (01) MLP 191132	M.Sc. Physics or equivalent with minimum 55% marks	Experience in No Linear LASER Atom Interactions or Uncertainty in SI Traceable Measurements	Research to establish Rydberg Atom Based Quantum E-Filed Sensing	Broadband Rydberg Atom Based Quantum Sensor	Rs. 31,000/-+ HRA (up to 31.03.2022)	30 Years
5.0	Research Associate - I One (01) MLP-200132	Ph.D. in Physics	Experience in luminescent materials and sensing applications	R&D	Development of PCR free, facile luminescence-based kit for ultra-sensitive detection of COVID-19	Rs. 47,000/-+ HRA (up to 04.10.2021)	35 Years

6.0	Research Associate One (01) Centrally Operated Funds FSS	Ph.D. in Science /Physics	Experience in handling MOKE, Rheometer, Experience in synthesis of Magnetic nanoparticles & magnetic fluids	Synthesis of Non-Newtonian fluid for BND production and scaling up of nano-magnetic fluid based electric power generator for applications.	Production of Non-Newtonian fluid based Indian Reference Materials (BND) for viscosity and the scaling up of nano-magnetic fluid based mill watt (mW) electric power generator for societal usage	Rs.47,000/-+ HRA (up to 30.11.2024)	<b>35 Years</b>
7.0	Junior Research Fellowship Five (05)	M.Sc. Physics/Applied Physics/ Electronics/ Instrumentation or equivalent with minimum 55% marks + Valid GATE/NET Qualified score	NA	The fellowships will exclusively be awarded for PH.D. Courses 'Solar photovoltaic and related applications' under National Renewable Energy Fellowship (NREF) of MNRE.	National Renewable Energy Fellowship (NREF) programme	Rs. 31,000/-+ HRA  05 Years (02 Years of JRF+03 Years of SRF)	<b>28 Years</b>
8.0	Research Associate - III Two (02) GAP 190132	Ph.D. in Physics/Optics  Or ME/M.Tech in Physics/Optical Engg. With three years experience and having at least one original research paper in SCI Journal.	Experience in thin film deposition techniques; nanofabrication; vacuum technology; low temperature measurements; optical characterizations; programming languages like Matlab, Mathematica, Lab VIEW	Research work	Advanced Single Photon Detector & Establishment of Single Photon Detection Based Quantum Standard for QuEST (Quantum Enabled Science & Technology)	Rs.54,000/-+ HRA (up to 23.04.2022)	<b>35 Years</b>
9.0	Junior Research Fellow One (01) GAP 190132	M.Sc. or B.Tech/M.Tech in Physics/Optics with minimum 55% marks + Valid GATE/NET Qualified score	Experience in thin film deposition techniques; nanofabrication; vacuum technology; low temperature measurements; optical characterizations; programming languages like Matlab, Mathematica, Lab VIEW	Research work	Advanced Single Photon Detector & Establishment of Single Photon Detection Based Quantum Standard for QuEST (Quantum Enabled Science & Technology)	Rs. 31,000/-+ HRA (up to 23.04.2022)	<b>28 Years</b>

### **Instructions and information for candidates:-**

1. Eligibility Criteria: The applicant must be a citizen of India.
2. Only those Candidates who have completed the essential qualification for whom the result has been declared are eligible to apply. Result awaited/Final semester appeared or appearing/Ph.D submitted etc. are not eligible to apply for any post. Experience if required in any post should only be post-qualification experience.

3. The total duration for which Project staff could be engaged will be for the duration of each project. 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 any 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 any Project staff in different projects taken together should be counted from **initial date of engagement in a project** 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 committee duly constituted by the Director.
4. Leave: Project staff will be entitled for one day leave for each completed month's service.
5. 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.
6. **Other benefits:** Project Staff will be provided dispensary facility if available. Project Staff engaged as temporary project manpower shall be covered under group medical insurance scheme offered by insurance companies and expenditure shall be debited from the project staff.
7. 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 Lecturer ship (NET) or GATE examination or published 01 paper in international peer reviewed SCI indexed journals.
8. 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".
9. A Candidate may apply for maximum of 02 (Two) posts. Separate application may be submitted for each post code if a candidate is desirous of applying for more than 01 (One) Post.
10. **Mode of Selection:** The candidates will be shortlisted for interview through a screening process. Only the short-listed candidates will be interviewed by Selection Committee.
11. **In case the final certificates reflect CGPA, GPA, etc, in that case, the candidate should convert the same in to equivalent percentage as per the approved formula of the university in the application and a copy of such conversion formula must be attached alongwith the application.**
12. **Relaxation of age for SC/ST/ OBC /PWD /Women: Age limit** for Project staff shall be as advertised with relaxation for statutory groups and women as per GOI rules.
13. CSIR-NPL reserves the right to cancel or withdraw the Offer of engagement in case of any discrepancy found, in the candidature of any empanelled candidate at any stage.
14. Other terms & conditions will be governed as per guidelines issued by the funding agency/CSIR Hqrs. for the engagement of above Project Staff as amended from time to time.
15. The candidates will be free to answer in Hindi during interview.
16. Date of Interview: **31<sup>h</sup> March, 2021** through online platform.
17. If a large number of applications are received then the Candidates will be shortlisted by a screening committee based on academic qualification and /or experience. In case of short listing done by screening committee, the committee will adopt its own criteria for bringing down the number of candidate to be called for interview. All shortlisted candidates will be provided link via email for attending the interview which will be held through video conference.
18. Eligible candidates should fill the downloaded application from website and send the application along with scanned copies of self attested testimonials in support of Educational Qualifications (mark sheets & certificates), Experience, Publications and Category **in a single PDF file by email to [recruitment@nplindia.org](mailto:recruitment@nplindia.org) latest by 23<sup>rd</sup> March, 2021 at 3:00 Noon.**

19. Incomplete/wrong information, detected at any stage, would render the candidate liable to rejection.
20. **Apply separately for different projects and positions.**
21. **No interim communication at the given Email ID except the application form will be attended and entertained. Any mail, email or call would not be entertained regarding the status of application form.**
22. Director CSIR-NPL reserves all rights to cancel recruitment of any or all of the positions advertised above at any stage and reject any application without assigning any reason whatsoever.
23. Total tenure of engagement (current as well as service rendered earlier in CSIR-NPL and/or any other CSIR lab/ hqtrs. taken together), will be limited to 5 years only.
24. All those candidates who are continuing as Project Staff in CSIR-NPL labs in any project will only be considered on submission of the **No objection certificate** from current concerned PI of the project.
25. **Only short listed candidates will be intimated to be interviewed through online platform.**

- Note:**
1. Candidate should go through the advertisement carefully to check their suitability in the area.
  2. The posts advertised are provisional and subject to ascertaining the availability of funds under the respective projects before the declaration of results and Issue of engagement letter.
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