



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



(AMENDED)

Advertisement No.Rectt. /02/2019

“FLOATING (WALK-IN) INTERVIEW ON 20th January, 2020.”

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 | Name & No. of positions | Essential Educational Qualification | Desirable | Job description | Project /Scheme Title | Tenure of project & Emoluments/ stipend per month | Age as on 20/01/2020 |
|-----------|--|--|---|---|--|--|----------------------|
| 1.0 | Junior Research Fellow Two (02) GAP-181132 | M.Sc. in Physics/ Electronics/Environment al Sciences with Minimum 55% Marks + NET Qualified | Experience in Air Pollution measurements | Contribute in establishment of testing and calibration facility for air pollution measurement equipment. | Establishment of Type Testing, Calibration and Certification Facility for “Online Continuous Emissions Monitoring System”(OCEMS) & “Continuous Ambient Air Quality Monitoring System”(CAAQMS) | Rs. 31,000/- +HRA (up to 28.03.2021) Or till the completion of project. | 28 Years |
| 2.0 | Junior Research Fellow Two (02) GAP-181132 | BE or B.Tech Electronics instrumentation/ Electronics and communication with Minimum 55% Marks +GATE Qualified | Experience in troubleshooting and system designing of Air Pollution measurement systems | Contribute in establishment of testing and calibration facility for air pollution measurement equipment. | Establishment of Type Testing, Calibration and Certification Facility for “Online Continuous Emissions Monitoring System”(OCEMS) & “Continuous Ambient Air Quality Monitoring System”(CAAQMS) | Rs. 31,000/- +HRA (up to 28.03.2021) Or till the completion of project | 28 Years |

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|-----|--|---|--|---|--|--|--|----------|
| 3.0 | Junior Research Fellow Two (02) MLP-190932 | M.sc (Physics/Material Science with Minimum 55% Marks +NET Qualified | One year research experience in materials science OR in production of Certified Reference Materials (Publication is desirable) | To Make Bhartiya Nirdeshak Dravya (BND)s | Production of Certified Reference Materials- Bhartiya Nirdeshak Dravya (BND)s | Rs. 31,000/-+HRA (up to 31.03.2020) | 28 Years | |
| 4. | 4.1 | Senior Research Fellow Two (02) MLP-190932 | M.Sc. (Physics) with 1 st Division + 2 Year Post Qualification Experience. Or M.Tech. (Physics/ Materials Science/ Nanotechnology. | One Publication in SCI journal) | To Make Bhartiya Nirdeshak Dravya (BND)s | Production of Certified Reference Materials- Bhartiya Nirdeshak Dravya (BND)s | Rs. 35,000/-+HRA (up to 31.03.2020) | 32 Years |
| | 4.2 | Senior Research Fellow One (01) MLP-190932 | M.Sc. (Chemistry) with 1 st Division + 2 Year Post Qualification Experience. Or M.Tech. (Chemistry/ Materials Science. | One Publication in SCI journal) | To Make Bhartiya Nirdeshak Dravya (BND)s | Production of Certified Reference Materials- Bhartiya Nirdeshak Dravya (BND)s | Rs. 35,000/-+HRA (up to 31.03.2020) | 32 Years |
| 5.0 | Research Associate One (01) MLP-190932 | Ph.D in Materials Science Or M.Tech Materials Science With 1 st Division +2 Year Post Qualification Experience. | Good knowledge of metrology and materials science (Functional Oxides with atleast 2 Publications in SCI journal). | To Make Bhartiya Nirdeshak Dravya (BND)s | Production of Certified Reference Materials- Bhartiya Nirdeshak Dravya (BND)s | Rs. 47,000/-+HRA (up to 31.03.2020) | 35 Years | |

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| 6.0 | Post Docs Fellows Two (02) MLP-190932 | Ph.D in Materials Science / Physical Science +2 Year Post Qualification Experience. | 1. Experience in development of nonmagnetic fluid . 2.Experience in Certified Reference Material and ISO document development and publications (Preference for Patent if any) | To Make Bhartiya Nirdeshak Dravya (BND)s | Production of Certified Reference Mat erials - Bhartiya Nirdeshak Dravya (BND)s | Rs. 65,000/-+HRA (up to 31.03.2020) | 35 Years |
| 7.0 | Research Associate Level II One (01) SSP -190132 | Ph.D in Physics/ Materials Science +2 Years Post Qualification Experience. | Experience in the area of Optical filters/thin film deposition/Metal-metal oxide deposition | R&D | "Indigenous development of Colour Shift Ink (CSII)". | Rs. 49,000/-+HRA (up to 31.10.2021) | 35 Years |
| 8.0 | Project Scientist Range-I One (01) TSP-180932 | Ph.D in (Physics)/ M.Tech/ME in ECE/ Instrumentation or equivalent with Minimum 65% marks throughout or above from Matriculation to Post Graduation+2 Years Post Qualification Experience. | Experience in time & frequency metrology | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Rs, 48,200 + HRA (up to 21.07.2021) | Below 40 Years |
| 9.0 | Project Assistant Level-II One (01) CNP-180232 | B.Tech /BE in Computer Science/IT with minimum 55% marks. | Software development in area of Metrology or Time and Frequency Measurements. | Algorithm for steering of time scale of secondary timing laboratories to UTC(NPLI). | "Consultancy Service to Department of legal Metrology (LM) for conceptualization and providing technical, infrastructural and manpower inputs for establishing the secondary timing system for dissemination of IST under Legal Metrology Act 2009" | Rs, 25,000 + HRA (up to 18.04.2020) | 30 Years |

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| 10.0 | Project Assistant Level-I One (01) CNP-180232 | B.Sc in Physics/ Electronics with minimum 55% marks. | Experience in Precision Measurements. | Implementation and development of Secondary Time Labs at RRSLs. | “Consultancy Service to Department of legal Metrology (LM) for conceptualization and providing technical, infrastructural and manpower inputs for establishing the secondary timing system for dissemination of IST under Legal Metrology Act 2009” | Rs, 15,000 + HRA (up to 18.04.2020) | 28 Years |
| 11.0 | Project Assistant Level-I One (01) CNP-180232 | Diploma in Electronics/Instrumentation with minimum 55% marks. | Instrumentation and Automation. | Preparation of specifications for instruments, Planning of secondary timing laboratory. | “Consultancy Service to Department of legal Metrology (LM) for conceptualization and providing technical, infrastructural and manpower inputs for establishing the secondary timing system for dissemination of IST under Legal Metrology Act 2009” | Rs, 15,000 + HRA (up to 18.04.2020) | 28 Years |
| 12.0 | Project Assistant Level-III One (01) TSP180932 | B.Tech in Computer Science/IT or equivalent with minimum 55% marks + two years post qualification experience | Skill/Experience of Management and Administrative Coordination and Good Knowledge of English. | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Rs, 28,000 + HRA (up to 21.07.2021) | 35 Years |

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| 13.0 | Consultant Two (02) GAP -181132 | Ph.D (Sciences/ Engineering) + Minimum 15 Years experience of R&D/Policy formulation/ Implementation in Air Pollution. Or M.Tech (Environmental Sciences) + Minimum 15 Years experience of R&D/Policy formulation/ Implementation in Air Pollution. | 1. Operational & Technical knowledge of Online Continuous Emission Monitoring Systems (OCEMS). 2. Operational & Technical knowledge of Continuous Emission Monitoring Systems (CAAQMS). 3. Knowledge and experience in implementation/ documentation of quality management and quality control system as per the standards like ISO 17025, ISO 9001etc. 4. Retired Govt. Employee with grade Pay (6 th CPC) of 10000 and above. | 1. To help in preparation of technical documents related to the proposed testing, calibration and certification facility for OCEMS & CAAQMS in line with the National regulatory guidelines. 2. To help in preparation of quality documents related to the proposed testing, calibration and certification facility for OCEMS & CAAQMS to fulfil the requirements different IS/ISO/IEC guidelines. 3. Contribute in the interaction with the stakeholders and help the core team for generation of certification framework based on received feedbacks. | Establishment of Type Testing, Calibration and Certification Facility for "Online Continuous Emissions Monitoring System" (OCEMS) & "Continuous Ambient Air Quality Monitoring System" (CAAQMS) | R. 1,00,000/- PM (Consolidated) Or Difference of Last pay drawn and pension whichever is lower. (up to 28.03.2021) | 65 Years |
| 14.0 | Consultant Level-I One (01) TSP-180932 | Ph.D. in Science/ Engineering + Minimum 15 Years R&D experience in metrology. | 1. Experience in Time & Frequency Metrology, 2. Retired Govt. Employee with grade Pay (6 th CPC) of 10000 and above. | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Rs. 1,00,000/- PM (Consolidated) Or Difference of Last pay drawn and pension whichever is lower. (up to 21.07.2021) | 65 Years |

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|------|---|--|---|---|---|--|----------|
| 15.0 | Consultant Level-II One (01) TSP-180932 | M.Tech in ECE or equivalent with minimum 55% marks + Minimum 05 (Five) Years R&D experience. | 1.Experience in Time & Frequency Metrology, 2.Retired Govt. Employee with grade Pay (6 th CPC) of 8700 and above. | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Rs, 60,000/- PM (Consolidated) Or Difference of Last pay drawn and pension whichever is lower. (up to 21.07.2021) | 65 Years |
| 16.0 | Consultant Level-III One (01) TSP-180932 | MBA with minimum 55% marks + two years post qualification experience. | Experience in Project Coordination with different agencies in matters relating to Taxation with sound administrative knowledge. | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Development of timing laboratories of Legal Metrology Department (LM) traceable to National time scale generating IST at five locations and creation of one disaster recovery center. | Rs, 45,000/- PM (Consolidated) (up to 21.07.2021) | 65 Years |

Instructions:-

1. Eligibility Criteria: The applicant must be a citizen of India.
2. Only those Candidates who have completed the essential qualification & 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 (excluding Consultants) 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 **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 year and have at least cleared CSIR-UGC Lecturer ship (NET) or GATE examination or published 01 papers in international peer reviewed ISI 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. Candidate may apply for maximum 02 (Two) posts. Separate application may be submitted for each post code if a candidate is desirous of applying in more than 01 (One) Post.
10. **Mode of Selection:** The candidates will be shortlisted for interview by 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 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.

Eligible candidates may appear together with downloaded application form duly filled-up, for "Floating (Walk-in) Interview" on 20th January, 2020 for post code (s) 1.0 to 16.0 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 giving the full details inclusive of marks starting from secondary examination onwards along with latest passport size photograph, original and self attested copies of all certificates/testimonials. Candidates belonging to SC/ST/OBC/PWD should bring copies of certificates in the proper format issued by the appropriate authority as per the latest instructions issued on the subject.

No TA will be paid to the candidates for appearing in the interview.

- Note:**
1. Candidate should go through the advertisement carefully for to check their suitability in the area.
 2. In case a candidate fails to produce any of the above mentioned documents/testimonials in original at the time of registration, he/she shall not be allowed to register for the further process.
 3. 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.