

Advertisement No.Rectt./01/2024

“WALK-IN-INTERVIEW TO BE HELD ON 30/01/2024 &31/01/2024”

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

Day-1 (Walk in Interview for the post code 1.0 to10.0 will be held on 30th January, 2024)

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 30/01/24
1.0	Project Assistant Six (06)	Three Year Diploma in CS/IT	Well proven work experience in LAN, WAN, H/W maintenance, basic programming skills, C++, JAVA. Having good knowledge of English.	(a). The selected candidate will undergo training at ISRO Navigation Centre, Byalalu, Bengaluru. Candidate needs to stay at Bengaluru during the training period. (b). Candidates are required to specify their preferred work city from the following options: Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, in their applications. (c). Following the training period, candidates will be assigned to CSIR-NPL Delhi, DRC Bengaluru, or any of the five RRSLs located in Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, based on project requirements and the indicated city preference in their application. Place of Posting: Bengaluru (for training), and subsequent postings based on project requirements and the candidate's specified city preference.	“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 20,000/+ HRA (up to 31.03.2024) Likely to be extended	50 Years

2.0	Project Associate-I One (01)	<p>B.Tech / BE in ECE /ETE / Instrumentation / EEE or equivalent with CSIR-UGC NET including Lectureship or valid GATE</p> <p style="text-align: center;">OR</p> <p>B.Tech / BE in ECE /ETE / Instrumentation / EEE or equivalent</p>	Well proven work experience in engineering projects related to automation, telecommunications, or electronics.	<p>(a). The selected candidate will undergo training at ISRO Navigation Centre, Byalalu, Bengaluru. Candidate needs to stay at Bengaluru during the training period.</p> <p>(b). Candidates are required to specify their preferred work city from the following options: Delhi Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, in their applications.</p> <p>(c). Following the training period, candidates will be assigned to CSIR-NPL Delhi, DRC Bengaluru, or any of the five RRSLs located in Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, based on project requirements and the indicated city preference in their application. Place of Posting: Bengaluru (for training), and subsequent postings based on project requirements and the candidate's specified city preference.</p>	“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”	<p>Rs. 31,000/-+ HRA (up to 31.03.2024) Likely to be extended .</p> <p style="text-align: center;">OR</p> <p>Rs. 25,000/-+ HRA (up to 31.03.2024) Likely to be extended .</p>	35 Years
3.0	Project Associate-I Two (02)	<p>B.Tech / BE in Computer Science / AI / ML or equivalent with CSIR-UGC NET including Lectureship or valid GATE</p> <p style="text-align: center;">OR</p> <p>B.Tech / BE in Computer Science / AI / ML or equivalent</p>	Well proven work experience in engineering projects related to automation, telecommunications, or electronics.	<p>(a). The selected candidate will undergo training at ISRO Navigation Centre, Byalalu, Bengaluru. Candidate needs to stay at Bengaluru during the training period.</p> <p>(b). Candidates are required to specify their preferred work city from the following options: Delhi Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, in their applications.</p> <p>(c). Following the training period, candidates will be assigned to CSIR-NPL Delhi, DRC Bengaluru, or any of the five RRSLs located in Ahmedabad, Bengaluru, Bhubaneswar, Faridabad, and Guwahati, based on project requirements and the indicated city preference in their application. Place of Posting: Bengaluru (for training), and subsequent postings based on project requirements and the candidate's specified city preference.</p>	“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”	<p>Rs. 31,000/- + HRA (up to 31.03.2024) Likely to be extended</p> <p style="text-align: center;">OR</p> <p>Rs. 25,000/-+ HRA (up to 31.03.2024) Likely to be extended .</p>	35 Years

4.0	Project Associate-I One (01)	BE / B.Tech Electronics/ Electronics & Communication Engg or equivalent with CSIR-UGC NET including Lectureship or valid GATE OR BE / B.Tech Electronics/ Electronics & Communication Engg or equivalent	Knowledge of Time & Frequency domain, GNSS Receivers, Programming	Hardware / Software development and deployment work related to the project	Implementation of IST Service using NPL controlled remote oscillator system for National Knowledge Network at National informatics Centre	Rs. 31,000/-+ HRA (up to 31.03.2024) Likely to be extended OR Rs. 25,000/-+ HRA (up to 31.03.2024) Likely to be extended .	35 Years
5.0	Project Associate-II One (01)	B.Tech/BE in ECE/ETE or equivalent and two years experience with CSIR-UGC NET including Lectureship or valid GATE . OR B.Tech/BE in ECE/ETE or equivalent and two years experience	1. Experience in handling GNSS receivers or timing metrology 2. Design and fabrication of electronic circuits, testing and repair of electronic equipment, PCB soldering	Design of FPGA based sub systems for the project	Development of NavIC based IST traceable primary Reference Time Clock (PRTC)	Rs. 35,000/-+ HRA (up to 15.11.2025) OR Rs. 28,000/-+ HRA (up to 15.11.2025)	35 Years
6.0	Project Associate-II One (01)	B.Tech/BE in CSE/IT or equivalent and two years experience with CSIR-UGC NET including Lectureship or valid GATE OR B.Tech/BE in CSE/IT or equivalent and two years experience	1.Programming languages python, C, C++, Java	Development of required instrument software and user interface to be developed in python and java for the equipment.	Development of NavIC based IST traceable primary Reference Time Clock (PRTC)	Rs. 35,000/-+ HRA (up to 15.11.2025) OR Rs. 28,000/-+ HRA (up to 15.11.2025)	35 Years
7.0	Project Associate-I Two (02)	BE/B.Tech in Electronics & Communications / Physics / Computer Science / IT / Electrical / Electronics & Instrumentation.	Selected through National Eligibility Tests-CSIR-UGC NET or GATE or a selection process through National level examination conducted by Central Government and Departments and their Agencies and Institutions	1. Development of AI based modules for prediction of quality of grains with respect to storage 2. Transfer of data using wireless sensor networking, development of prototype storage environment using sensor networking	Sustainable Technologies for Assessment and Mitigation for important Nutritional & Safety Aspects of Millets	Rs. 25,000/-+ HRA (up to 31.03.2025)	35 Years

8.0	Project Assistant One (01)	Three Year Diploma in Electronics and Communication Engineering (ECE)/ Electronics/ Instrumentation/ Mechanical Engineering	Experience in Design. Development of basic electronics circuits, handling of sophisticated instruments	Integration and handling of Quantum metrology devices/Systems	Quantum Metrology for Realization of SI Units and Allied Parameters for Boosting International Trade and Industrial Growth of the Nation Strengthening and Modernization of Metrology through Research and Technology Harmony (SAMARTH)	Rs. 20,000/- +HRA (up to 31.03.2028)	50 Years
9.0	Project Associate-I One (01)	B.E./B.Tech (Mechanical)	Experience in Design, Development, Precision measurements, data acquisition and programming	Design and Establishment of required measurement setup, Precision measurements and analysis in various parameters for establishment of temperature standards	Fabrication, and establishment of testing and calibration facility for clinical thermometers (liquid-in-glass, electrical, and IR) with the maximum device for the five RRSLs laboratories	Rs. 25,000/- +HRA (up to 22.10.2026)	35 Years
10.0	Project Associate-II One (01)	Bachelor's degree in Engineering or Technology in Mechanical Engineering or equivalent and two years experience.	Experience in designing of filtration systems and working on synthesis of carbon nanotubes and their flexible papers	Designing of systems and Day to day experimentation on CNTs and CNTs papers and their analysis	Development of a process technology for preparation of carbon nanotube based flexible paper of size 1 meter x 1 meter	Rs. 28,000/- +HRA (up to 31.03.2025)	35 Years

Day-2 (Walk in Interview for the post code 11.0 to 17.0 will be held on 31st January, 2024)

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 31/01/24
11.0	Project Associate-I One (01)	MSc in Biochemistry/ Analytical Chemistry / Applied Chemistry / Organic / Inorganic Chemistry / biotechnology	Selected through National Eligibility Tests-CSIR-UGC NET or GATE or a selection process through National level examinations conducted by Central Government and Departments and their Agencies and Institutions	Chemical analysis of food grains, development of certified reference materials to check the quality traceability of products	Sustainable Technologies for Assessment and Mitigation for important Nutritional & Safety Aspects of Millets	Rs.25,000/-+ HRA (up to 31.03.2025)	35 Years
12.0	Project Associate-I One (01)	Master's Degree in Physics/ Applied Physics/ Electronics/ Instrumentation Or B.E./B.Tech in Electronics or Electronics and communication Engineering (ECE)	Experience in Design, Development, data acquisition and programming and knowledge on programming languages such as C++, Java, Python etc.	Precision measurements and analysis in on the realization of the unit of Capacitance through AC QHR method and further dissemination of the same to impedance Units such as AC resistance, Inductance and Capacitance	Quantum Metrology for Realization of SI Units and Allied Parameters for Boosting International Trade and Industrial Growth of the Nation Strengthening and Modernization of Metrology through Research and Technology Harmony (SAMARTH)	Rs. 25,000/- +HRA (up to 31.03.2028)	35 Years

13.0	Project Associate-I One (01)	Master's Degree in Physics / electronics / instrumentation; Or B.E./B.Tech in Electronics or Electronics and communication Engineering (ECE)	Experiences in any of the following fields: Thin film deposition techniques, nanodevice fabrication, transport measurements, device physics, Microwave engineering & instrumentation, data acquisition and interfacing	Thin film growth and Low noise electrical transport measurements in microwave environment at cryogenic temperature along with data analysis for quantum current metrology	Quantum Metrology for Realization of SI Units and Allied Parameters for Boosting International Trade and Industrial Growth of the Nation Strengthening and Modernization of Metrology through Research and Technology Harmony (SAMARTH)	Rs. 25,000/- +HRA (up to 31.03.2028)	35 Years
14.0	Project Associate-I One (01)	Master's Degree in Physics/ Applied Physics/ Electronics/ Instrumentation Or B.E. / B.Tech in Electronics or Electronics and Communication Engineering (ECE)	Experience in Design, Development, data acquisition and programming	Precision measurements and analysis in Temperature Metrology	Quantum Metrology for Realization of SI Units and Allied Parameters for Boosting International Trade and Industrial Growth of the Nation Strengthening and Modernization of Metrology through Research and Technology Harmony (SAMARTH)	Rs. 25,000/- +HRA (up to 31.03.2028)	35 Years
15.0	Project Associate-I One (01)	Master's Degree in Physics/ Applied Physics/ Electronics/ Instrumentation Or B.E. / B.Tech in Electronics or Electronics and Communication Engineering (ECE)	Experience in Design, Development, Precision Measurements, data acquisition and programming	Design and Establishment of required measurement setup, Precision measurements and analysis in various parameters for establishment of temperature standards	Fabrication, and establishment of testing and calibration facility for clinical thermometers (liquid-in-glass, electrical, and IR) with the maximum device for the five RRSLs laboratories	Rs. 25,000/- +HRA (up to 22.10.2026)	35 Years
16.0	Senior Research Fellow One (01)	M.Sc. (Physics/Materials Science), With two years post M.Sc. research experience Or M.Tech. (Materials Science/ Nanotechnology/ Instrumentation)	Knowledge of ultra-high vacuum, thin film deposition	Design & growth of III-Nitride Semiconductors using molecular beam epitaxy & their characterizations	High output power emitters and sensitive detectors based on AlGaIn Nano-heterostructures for deep – ultraviolet radiation towards biological application	Rs. 35,000/- +HRA (up to 18.10.2026)	32 Years
17.0	Junior Research Fellow One (01)	M.Sc. (Physics), with minimum 55% marks and passing of CSIR/UGC-NET	Knowledge of ultra-high vacuum, thin film deposition	Design & growth of III-Nitride Semiconductors using molecular beam epitaxy & their characterizations	High output power emitters and sensitive detectors based on AlGaIn Nano-heterostructures for deep – ultraviolet radiation towards biological application	Rs. 31,000/- +HRA (up to 18.10.2026)	28 Years

