



CSIR-NATIONAL METALLURGICAL LABORATORY
(Council of Scientific & Industrial Research)
JAMSHEDPUR - 831 007



Advertisement No.: 02/2020

On- line interview will be held at CSIR-NML, Burmahmines, Jamshedpur for drawing a panel of suitable candidates for engagement on purely temporary basis as Project Staff at different levels depending on the current and future requirements of various projects. Details are given below.

Project Staff in CSIR Projects including NMITLI projects, OLP/MLP, Contract R&D and non CSIR funded Projects:-

Post Code	Project No.	Position/Level	No. of Positions	Educational Qualification and Experience	Desirable (if any)	Project Name
1.	MLP-3115 AK	Project Associate-I	1	MSc in Chemistry		Development of CS analytical and charpy impact toughness physical standard in steel
		Project Associate-I	1	B Tech in Metallurgy/Material Science & Engineering		
		Project Associate-II	1	B Tech in Metallurgy/Material Science & Engineering and two years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services		
2.	SSP-1249 SUP	Project Assistant	1	Diploma in Mechanical Engineering		Mechanical and micro-structure assessment of centre buffer coupler
3.	MLP-3119 PB	Project Associate-I	2	B Tech in Chemical engineering/Material Science/Nanoscience or M.Sc. in Chemistry		Process development of high quality layered transition metal carbides/nitrides/carbonitrides(MAX)
		Project Associate-II		B Tech in Chemical engineering/Material Science/Nanoscience and two years experience in Research and Development in Industrial and Academic Institutions		

				<p>or Science and Technology Organisations and Scientific activities and services.</p> <p>or</p> <p>M.Sc. in Chemistry and two years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.</p>		
4.	HCP-VL 100 (MT)	Project Scientist-II	1	M.Tech in Materials Science/Engineering with 3 years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.	Computational Material Science	Jigyasha-Virtual Lab Project
		Project Assistant	1	<p>B.Sc. in Physics/Chemistry/ Mathematics/ Multimedia</p> <p>or</p> <p>3 Years Diploma in IT/Electronics/ Multimedia</p>	Working knowledge in Videography /Computer animation Technology	
5	GAP-0285 (SKN/ NR)	Project Associate-I	2	B Tech – Metallurgy/ Chemical Engineering or M.Sc. in Environmental Science /Chemistry	GATE/NET/SCI/SCIE Papers	Hot stage Engineering of copper smelter slag for recovery of iron and subsequent use of resulting slag in blended cement.
		Project JRF		<p>B Tech – Metallurgy/ Chemical Engineering with minimum of 55% marks</p> <p>or</p> <p>M.Sc. in Environmental Science /Chemistry with minimum of 55% marks</p>	Experience in metal extraction and/or metallurgical waste utilization	

6.	E Waste Project FTC-014/MLP-3116 (MKJ)	Project Assistant	2	B.Sc. in Chemistry Or 3 years in Diploma in glass blowing/Mechanical /Metallurgy Engineering and Technology.		Development of the Close Loop Pilot Process for recycling of metals/materials from e-waste
	E Waste Project FTC-014/MLP-3116 (MKJ)	Project Associate-I	2	M.Sc. in Chemistry Or B. Tech in Chemical Engineering		
	E Waste Project FTC-014/MLP-3116 (MKJ)	Project-SRF	1	M.Sc. in Chemistry with minimum of 55% marks with 2 years of research experience With one publication in SCI Journal Or B.Tech.in Chemical Engineering with minimum of 55% marks with 2 years of research experience with one publication in SCI Journal Or B.Tech.in Chemical Engineering with minimum of 60% marks with 2 years of research experience	Hydrometallurgical metal extraction from primary/secondary resource Or 2 SCI publication and two years of research experience in area of e-waste recycling.	
	E Waste Project FTC-014/MLP-3116 (MKJ)	Senior Project Associate	2	Ph.D in Chemistry/Metallurgy/ Recycling/Chemical Engineering.	Hydrometallurgical metal extraction from primary/secondary resources	
7	HCP/ 28-WP2 (PM)	Project Associate-I	5	B.Tech.in Chemical Engineering/ Metallurgy or M.Sc.in Chemistry	Experience/hand-on training with extraction of metals/recycling	Extraction of critical metals from used lithium batteries

					or handling of metallurgical samples	
8.	SSP-1237 (SC)	Project Associate-I	2	M.Sc. in Chemistry	1 year experience in coal analysis	XRF and ICP-MS analysis of NGCM samples
	SSP-1253 (SC)	Project Associate-I	1	M.Sc. in Geology	1 year experience in coal petrography analysis	Lab scale study on reducing ash content (mineral matter) from Bhubaneswar, Kaniha and Hingula coal through oil agglomeration
	SSP-1208 (SC)	Scientific Administrative Assistant	1	Graduate/Bachelor in Computer Application	2 years experience as office assistant	Coal Characterisation of BCCL Collieries Dhanbad
9.	GAP-0271 (AR)	Project-JRF	1	M.Sc. in Chemistry with minimum of 55% marks or B.Tech. in Chemical/ Metallurgical Engineering with minimum of 55% marks	M.Tech Or NET/GATE	To develop an effective extraction and separation technology to selectively extract rare earth elements
10	GAP-0284 (SKP)	Scientific administrative Assistant	1	B.Sc. in Physics/ Chemistry/ BBA /BCA		Managing day to day activities of NML IPFC for MSME, creation and maintenance of database
		Project Assistant	1	B.Sc. in Physics,/Chemistry/ BCA or 3 Year Diploma in Engineering in Metallurgy/ Mechanical/ Chemical/ Electronics /Intellectual property		

				Rights		
		Project Associate-I	1	Master Degree in Physical/Chemical Sciences or BE/B.Tech in Metallurgy/Chemical/ Mechanical Engineering / Computer Science		(i)Conducting patentability, trademark and design search on online & offline database. (ii) Documentation & preparation of IPR awareness/training programmes for MSMEs
		Project Associate-II	1	Master Degree in Physical/Chemical Sciences with 2 years experience in drafting patent, trademark and industrial design/ or BE/ .B.Tech in Metallurgy/Chemical/ Industrial/Electrical/ Electronics/Mechanical Engineering / Computer Science with 2 years experience in drafting patent, trademark and industrial design	One year post graduate diploma in IP Laws Or Qualified Patent Agent	
11.	GAP-283, (ABH)	Project-JRF	2	B.Tech in Chemical Engineering /Metallurgy with minimum of 55% marks Or M.Sc. Chemistry/Environmental Science with minimum of 55% marks	NET/GATE or Experience/hand-on training with extraction of metals/ recycling or handling of metallurgical samples	Development of innovative technology for extraction of metals from chemical and metallurgical wastes (INNOVARE)
12	GAP-276 (TKD)	Senior Project Associate	1	M.Sc. in Physics/Electronics with four years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations	Experience in NDE for damage assessment simulation	Development of Advanced NDE based diagnosis and prognosis for advanced materials and manufacturing process for clean coal Technologies

				and Scientific activities and services. OR PhD in Physics/Electronics		
13	HCP-0030WP1 (AJK)	Project Assistant	4	3 years Diploma in Chemical/Metallurgical Engineering		Development of Mg/Zn based biodegradable implants for orthopedic applications
14	MLP 3120 (SM)	Project Associate-II	1	M.Sc. Physics with two years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services. or B.Tech. in Materials Science/Nanotechnology/ Metallurgy with two years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.	M.Tech Materials or materials Science Engineering with experience in materials Science/physics/nanotechnology. The experience in thin films will be preferable.	Development of Tin-Selenide (SnSe) based thermoelectric thin films for waste heat recovery in metallurgical and other industries
		Sr. Project Associate		M.Sc. Physics with four years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services. or B.Tech. in Materials Science/Nanotechnology/ Metallurgy with four years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and		

				Scientific activities and services.		
15	MLP-3118 (RS)	Project Associate-I	3	B.Tech in Chemical/Mechanical/Civil/Mineral Engineering		Development of fire resistant lightweight structural materials by hybridization of inorganic polymers
16	SSP-1252 (TCA)	Project Associate-I	1	B.Tech in Chemical/Mineral Engineering OR MSc in Chemistry		Geopolymerization for Radioactive Waste Immobilization
17	MLP-3113 (SA)	Project Assistant	3	3 years Diploma in Metallurgy/Chemical Engineering or B.Sc. in Chemistry		Production of Fe-Ni/Co-Mo metallic alloy & alumina rich slag from Ni-Mo/Co-Mo spent catalysts.
18	MLP 3123 (ST)	Project Assistant	1	3 years Diploma in Metallurgy	1 year Experience in operation and handling of scanning electron Microscope	Thermodynamic and kinetic assessment of interracial equilibrium conditions during nano paralytic transformation
		Project Associate-I	1	B.Tech/B.E. in Metallurgical Engineering	Valid GATE Score	
19	HCP0030WP2 (AKP)	Project Associate-II	1	M.Sc. in Chemistry with two years experience in Research and Development in Industrial and Academic Institutions or Science and		Multi component Zr based biocompatible alloys with modulus < 50 GPa and Density ~2.8

				Technology Organisations and Scientific activities and services. or B.Tech. in Materials Science/Metallurgy/Mechanical Engineering with two years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.		<u>gm/cm3 for biomedical application</u>
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Upper age limit (as on date of Interview) & Emolument details:

Level	Emoluments (Rs)	Upper Age Limit	Remarks
Scientific Administrative Assistant	18000/- +HRA	50	-
Project Assistant	20000/-+HRA	50	-
Project Associate-I	25000/- / 31000/-* +HRA	35	*candidates who have qualified National Eligibility Tests-CSIR-UGC NET including lectureship “(Assistant Professorship) or GATE Or Selected through National level examinations conducted by Central Government Departments and their Agencies and Institutions
Project Associate-II	28000/- / 35000/-* +HRA	35	
Senior Project Associate	42000/-+HRA	40	
Project Scientist-I	56000/-+HRA	35	
Project Scientist-II	67000/-+HRA	40	
Project-JRF	31000/-+HRA	28	As per guidelines of funding agencies
Project-SRF	35000/-+HRA	32	As per guidelines of funding agencies

Interested candidates (Indian Nationals Only) fulfilling the criteria towards age, educational qualifications etc. as detailed above may apply as per the instructions given below in **Terms & Conditions**.

Terms & Conditions:

1. **Age relaxation** 5 years in case of SC/ST/OBC/PWD and Women candidates.
2. Tenure of appointment in CSIR-NML under one or more projects will be co-terminus with the tenure of the respective projects
3. All of the above positions are purely temporary and on contract basis. It would, therefore, not confer any right/claim, implicit or explicit, for consideration/absorption against any Permanent post of CSIR-NML/CSIR.
4. Hindi may be used as a medium of conversation during the interview.
5. The Government strives to have a workforce that reflects gender balance, and women candidates are encouraged to apply.
6. Date & Time of Interview (Online): will be notified through e-mail.
7. Registration (Online): Candidates applying against the above Post Codes are required to register on-line (For details, please visit CSIR-NML website). The online registration opens at 10:00 a.m. on 18-11-2020 and close at 06:00 p.m. on 03-12-2020.
8. If the number of candidates registered online for Interview is very high, then the Candidates will be shortlisted by a screening committee based on academic qualification and/or experience. In case of short listing is done by screening committee, then the committee will adopt its own criteria for bringing down the number of candidates to be called for interview. All shortlisted candidates will be provided link for attending the interview which will be held through online mode (SKYPE/Google Meet/video conference etc). The link will be provided separately.
9. The candidates are advised to fill up the information in the online registration from carefully and correctly. All the certificates to be uploaded as single PDF [not more than 3 MB] in the application.
10. Any false information may lead to ban in appearing any future recruitment / engagement process in CSIR-NML and the same may be informed to other CSIR labs/Institutes, other Government Organisations / agencies also
11. The number and levels of positions may increase or decrease at the time of actual selection or may be cancelled also. The engagement is for various time-bound projects viz., Grant-in-Aid / Sponsored Projects / In-house projects etc. which is co-terminus with the projects and may be extended or curtailed depending on the duration of the Projects, satisfactory performance/conduct of the appointee. It is not a regular appointment, temporary or otherwise and therefore it does not entitle the incumbent(s) any claim, implicit or explicit on any CSIR/CSIR-NML post.

Candidates are advised to constantly keep on visiting CSIR-NML Website at www.nmlindia.org for any update/change in the matter.

Controller of Administration