



सीएसआईआर-राष्ट्रीय धातुकर्म प्रयोगशाला
CSIR-NATIONAL METALLURGICAL LABORATORY
(Council of Scientific & Industrial Research)
जमशेदपुर / Jamshedpur-831007
Advertisement No.:02/2023



ISO 9001 : 2008

A Walk-In-Interview/Test will be held from **08-01-2024 to 12-01-2024** at **CSIR-NML, Burmamines, Jamshedpur** for selecting suitable candidates for engagement on purely temporary basis as Research Associate-I/Project Associate-I/Project Associate-II/ /Project SRF/Project JRF/ Project Assistants, Scientific Administrative Assistant, etc. at different levels for various projects. Details are given below: -

Sl. No.	Project No.	Position/ Level	No. of Post	Essential Qualification	Desirable (if any)	Project Name	Walk-In-Interview Date
1	OLP-9001	Project Assistant	1	B.Sc. in Chemistry (Hons.) with Physics and Math	NIL	Chemical Characterization of ores, minerals, metals and processed samples	GROUP -A 08-01-2024
2	OLP-9002	Project Assistant	1	B.Sc. in Chemistry (Hons.) with Physics and Math	NIL	Quality Evaluation of Coal explored from different regions of India	
		Project Associate-I	1	M.Sc. in Geology	NIL	Quality Evaluation of coal explored from different region of India	
		Project Associate-II	1	M.Sc. in Chemistry with 2 years of experience in chemical analysis	NIL	Quality Evaluation of coal explored from different region of India	
3	GAP-0308	Project Assistant	1	B.Sc. in Chemistry (Hons.) /3 years Diploma in Chemical Engg.	NIL	Science Technology and Innovation hub in village Gamaria, Saraikella, Kharsawan Block, Jharkhand	
		Scientific Administrative Assistant /Field Worker	2	B. Sc. in Chemistry(Hons.) /Physics(Hons.)	NIL	Science Technology and Innovation hub in village Gamaria, Saraikella, Kharsawan Block, Jharkhand	
4	SSP-1332	Project Associate-I	3	M.Sc. in Chemistry	NIL	Chemical Analysis and Characterization of Band by Band Coal of Ib Valley Coalfield.	

5	MLP-3134	Project Associate-I	1	M.Sc. in Chemistry	NIL	Indigenous Development of Benzoic Acid Reference Material for Calorimetry Analysis	GROUP -A 08-01-2024
6	SSP-1339	Project Assistant	2	B.Sc. in Chemistry (Hons.) with Physics and Math	NIL	Distribution of Hg in Soil and Sediment Samples	
7	HCP-54-WP-15	Project Associate-I	2	M.Sc. in Chemistry/Material Science or B. Tech. in Metallurgy/Chemical Engg.	Minimum 6 months experience in Chemical Analysis, Material Synthesis, and Scale up activities	Rare Earth Recovery from Waste Magnet (NdFeB)-Waste Scrap to Metal/oxide/salt Product	GROUP -B 08-01-2024
		Project Assistant	2	3 years Diploma in Metallurgy/ Chemical or B.Sc. in Chemistry/ Material Science	NIL	Rare Earth Recovery from Waste Magnet (NdFeB)-Waste Scrap to Metal/oxide/salt Product	
8	MLP-3132	Project Assistant	1	B.Sc. in Chemistry/Material Science or 3 years Diploma in Metallurgy/Mechanical Engg.	NIL	Utilization of Zinc dross (lean or high grade) to produce metal /salt through pyro and hydrometallurgical route	
9	HCP-54 (WP-14)	Project Associate-I	1	B. Tech. in Metallurgy/Chemical Eng. or M.Sc. in chemistry	Minimum 6 months experience in chemicals handling, hydrometallurgy	Process technology for the recycling of waste c-Si PV modules	
10	MLP-3133	Project Associate-I	1	B. Tech. in Chemical Engg./Metallurgy or M.Sc. in Chemistry	Minimum 6 months experience in area of Metal extraction or M. Tech in chemical/metallurgical engineering	Recovery of potash fertilizer & high value iron oxide nanoparticles from indigenous glauconitic rocks	

11	GAP-0275	Project Assistant	1	3 years Diploma in Metallurgical Engineering/Metallurgical and Materials Engineering and Metallurgical Engineering/Mechanical Engineering	NIL	Creep-fatigue interaction behavior of ODS-austenitic steels and ODS-iron and nickel aluminides.	GROUP -C 09-01-2024
12	GAP-0274	Project Assistant	1	3 years Diploma in Metallurgical Engineering/Metallurgical and Materials Engineering/Materials and Metallurgical Engineering/Mechanical Engineering	NIL	High Temperature Oxidation and Hot Corrosion behaviour of selected materials for Clean Coal Technologies for Power Plant Applications	
13	FBR-04(HCP-54)	Project Assistant	1	3 years Diploma in Metallurgy	NIL	Technology development for recovery of tantalum from secondary resources	GROUP -D 09-01-2024
		Project Associate-1	1	M.Sc. in Chemistry or Environmental Science or B.E/B. Tech. in Chemical Engineering/Metallurgy /Material Science & Engineering	NIL	Technology development for recovery of tantalum from secondary resources	
14	HCP-56	Project Associate-1	2	B.E/B. Tech Metallurgy/Chemical Engineering/Mineral Engineering/Chemical Technology or M.Sc. in Chemistry	NIL	Recovery of Lithium from Potential Indian Primary Resources for Battery Applications	
		Project Assistant	1	B.Sc. in Chemistry (Hons.)	NIL	Recovery of Lithium from Potential Indian Primary Resources for Battery Applications	
		Project Assistant (The Candidate Shall Be Stationed For Exploration And Characterisation At Jammu University)	1	B.Sc. in Chemistry (Hons.)	NIL	Recovery of Lithium from Potential Indian Primary Resources for Battery Applications	

15	CLP-220	Project Associate-I	1	B.E/B. Tech Metallurgy/Chemical Engineering/Mineral Engineering/Chemical Technology or M.Sc. in Chemistry	NIL	Technology development for holistic utilisation of red mud for extraction of metallic values & residue utilisation	GROUP -D 09-01-2024
16	GAP-292	Project Associate-I	1	B.E/B. Tech Metallurgy/Chemical Engineering/Mineral Engineering/Chemical Technology or M.Sc. in Chemistry	NIL	Processing of TIN slag and technological extraction of critical elements for high strength low alloy steels	
17	HCP-54 (WP-14)	Project Assistant	1	3 years Diploma in Metallurgy/Chemical Engineering or B.Sc. in chemistry (Hons.)	NIL	Process technology for the recycling of waste c-Si PV modules	
18	SSP-1390	Project Associate I	1	B. Tech in Metallurgical & Materials Engineering	Minimum 6 months experience in High Temperature Alloys	Creep behavior of different grades of stainless steel and nickel-based superalloy	GROUP -E1 09-01-2024
19	SSP -1372	Project Associate I	1	B. Tech/B.E. (Metallurgy)	NIL	Evaluation and assessment of field withdrawn CBC components	
20	TMP-0239	Project-JRF/ Project Associate -I	1	Project JRF B. Tech. in Metallurgical/ Material Engineering with GATE Score. or M.Sc. in Physics/ Chemistry with NET Score	NIL	Environmental assisted cracking behavior of RRA and modified RRA treated AA7085 and AA2519 in 3.5% NaCl, humid air, hydrogen environment s under cyclic loading	
				Project Associate-I B. Tech. in Metallurgical/ Material Engineering or M.Sc. in Physics/Chemistry			
21	SSP-1363	Project-SRF	1	B. Tech. in Metallurgy/ Mechanical Engg. with GATE Score and two years of Research experience or M. Tech in Metallurgy/ Mechanical Engg. with at least 60% marks.	Specialization in Mechanical Behavior of Materials	HCF characterization of Compressor Aerofoil Material GTM-SU-718	
22	GAP-0275	Project Associate-I	1	B.E. / B. Tech in Metallurgical Engineering/ Metallurgical & Materials Engineering/ Materials and Metallurgical Engineering/Mechanical Engineering	NIL	Creep-fatigue interaction behavior of ODS-austenitic steels and ODS-iron and nickel aluminides.	

23	GAP-0274	Project Associate-I	1	B.E./B. Tech. in Metallurgical Engineering/Metallurgical and Materials Engineering/Materials and Metallurgical Engineering/Mechanical Engineering	NIL	High Temperature Oxidation and Hot Corrosion behavior of selected materials for Clean Coal Technologies for Power Plant Applications
24	GAP-0309	Project - SRF	1	B. Tech. in Metallurgy/Mechanical /Chemical/Materials Engineering with GATE Score and two years of Research experience or M. Tech. in Metallurgy/Mechanical/Chemical/Materials Engineering with at least 60% marks	Minimum 6 months experience in Corrosion and Materials Characterization	Development of novel microstructure and inhibitors to combat molten salt corrosion of thermal energy storage materials in concentrated solar power plant
25	HCP-54 (WP-14)	Project Associate-I	1	B. Tech. in Mechanical Engineering	Minimum 6 months experience in mechanical testing	Process technology for the recycling of waste c-Si PV modules
26	GAP-0300	Research Associate-I	1	Ph.D. in Metallurgy/ Materials Science/ Materials Engineering/ Mechanical Engineering with at least one research paper in SCI journal. or 3 years of research, teaching and design and development experience after M.E./ M. Tech. in Metallurgy/ Materials Science/ Materials Engineering/ Mechanical Engineering with at least one research paper in SCI journal.	Minimum 6 months' experience in Heat treatment and material characterization such as XRD, SEM/EDS, EBSD	Grain Boundary engineering for austenitic stainless steel processed by selective laser melting
27	GAP-0298	Project Associate-II	1	B.E./B. Tech. in Mechanical or Metallurgy or Production Engineering and two years of experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific Activities and Services.	1. GATE for Engineering Candidates 2. One-year experience in characterization or processing of materials	Investigation on weldability of 8 and 20 mm thick high nitrogen steel with strength of about 800 - 1200 MPa

28	HCP54/W P6/2	Project Associate-1	2	B. Tech. in Mineral Processing/ Chemical/ Metallurgical Engineering or M.Sc. in Chemistry	Minimum 6 months' experience in chemical analysis, beneficiation and metal extraction or M.Tech in Chemical/mineral/metallurgical engineering	Waste to Wealth comprehensive solution towards circular economy and sustainability	GROUP -F 09-01-2024
29	GAP-0312	Project Associate-1	1	B. Tech. in Chemical Engineering or Mineral Engineering	Minimum 6 months' experience in the field of Mineral Processing.	Beneficiation of coking coal by hybrid mode: dry and wet processing to reduce the ash forming impurities	
30	GAP-0288	Field Worker/ Scientific Administrative Assistant	1	B.Sc. Math's (Hons.) or B. Tech. in Computer Science	NIL	DST - Women Technology Park	GROUP -G 10-01-2024
31	OLP-9010	Scientific Administrative Assistant	1	B.Sc. in Math's (Hons.)	NIL	Physical and mineralogical characterization of ores, minerals, coal and industrial waste	
32	GAP-0312	Scientific Administrative Assistant	1	B.Sc. in Math's (Hons.)	NIL	Beneficiation of coking coal by hybrid mode: dry and wet processing to reduce the ash forming impurities	
33	OLP-9004	Scientific Administrative Assistant	1	B.Sc. in Math's (Hons.) /B. Com (Hons.)	NIL	Advanced Material and Processes Development	
34	SSP-1384	Project Assistant	1	B.Sc. in Chemistry (Hons.)	NIL	E-waste recycling (LIBs)	
35	SSP-1385	Project Assistant	1	B.Sc. in Chemistry (Hons.)	NIL	E-waste recycling (PCBs)	GROUP -H 10-01-2024
36	GAP-306	Project Assistant	2	B.Sc. in Chemistry (Hons.)	NIL	E-waste Recycling (Informal sector capability building and formation of recycling cluster under MSME)	

37	NWP-100	Project Assistant	1	3 years Diploma in electrical/electronic and communication or B. Sc. in Physics (Hons.)	NIL	CSIR Integrated Skill Initiative
		PROJECT ASSOCIATE-1	1	M.Sc. in Chemistry/Material science or B.Tech. in Chemical Engineering	NIL	CSIR Integrated Skill Initiative
38	HCP -101	Project Assistant	1	3 years Diploma in Electrical/Metallurgy/ Computer Science	NIL	Jigyasa 2.0 Program: Virtual Lab Integration
39	GAP-0288	Project Associate-II	1	M.Sc. in Biotechnology/ Environmental Science with two years of experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific Activities and Services	NIL	DST - Women Technology Park
40	TMP 0240	Project Associate-I	1	M. Sc. in Chemistry	NIL	Development of efficient bi-functional electrocatalyst of transition metal for anion exchange membrane (AEM) based alkaline water electrolyser, scale-up and prototype fabrication of membrane electrode assembly. (MEA)

GROUP -I
11-01-2024

41	GAP-276	PROJECT ASSISTANT	1	3 years Diploma in EEE/EIE/ECE	NIL	Development of Advanced NDE based Diagnosis and Prognosis Protocols for A-USC Power Plants.	GROUP -J 12-01-2024
		Project Associate I	1	B.E/B. Tech in EEE/ECE/EIE	Minimum 6 months' experience in electronic circuit design, exposure in Lab view, EM modeling and simulation, MATLAB	Development of Advanced NDE based Diagnosis and Prognosis Protocols for A-USC Power Plants.	

Upper age limit (as on date of Interview) & Emolument details:

Level	Emoluments (Rs)	Upper Age Limit	Remarks
Scientific Administrative Assistant/Field Worker	18000/- + HRA	50	-
Project Assistant/Field 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
Project Associate-II	28000/- 35000/-* +HRA	35	Or Selected through National level examinations conducted by Central Government Departments and their Agencies and Institutions
Research Associate-I	47000/-+HRA	35	Age Criteria as per CSIR norms.
Project SRF	35000/-+HRA	32	As per guidelines of funding agencies
Project JRF	31000/-+HRA	28	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:

- Candidates who have already served at CSIR-NML or any other lab/institute of CSIR as Project Staff such as Scientific Administrative Assistant/Field Worker/ Laboratory Assistant/Technician/Project Assistant/Technical Assistant/Field Assistant/Project Associate-I/Project Associate-II/Senior Project Associate/Principal Project Associate/Project Scientist I/Project Scientist II/ Project Scientist III PI/Project Manager/Project Fellow/JRF(in contract R&D Projects)/SRF (in contract R&D Projects)/Research Associate, etc. or as any other designation of equal status for a total period of 5 years or more are not eligible for these engagements. The candidates who have served for a period less than 5 years will have tenure upto remaining period till completion of five years.
- The tenure may be extended for the duration of Project based on satisfactory performance. The total tenure as Scientific Administrative Assistant/Field Worker/ Laboratory Assistant/Technician/Project Assistant/Technical Assistant/Field Assistant/Project Associate-I/Project Associate-II/Senior Project Associate/Principal Project Associate/Project Scientist I/Project Scientist II/ Project Scientist III/ PI/Project Coordinator-I (For Non-Governmental/Voluntary Organisations)/PI/ProjectCoordinator-II(ForNon-Governmental/Voluntary Organisations)/Project Manager/Project Fellow/JRF(in contract R&D

Projects)/SRF (in contract R&D Projects)/Research Associate etc. or as any other designation of equal status shall not exceed 5 years in any case . The total tenure of five years shall be calculated as per periods spent on one Project and/or different Projects taken together in CSIR-NML, and/or any other Lab./Instt. of CSIR as Scientific Administrative Assistant/Sr. Project Associate/Project Associate-I/II /Project Assistant, etc or as any other designation of equal status.

3. Upper Age limit as on date of Walk-in-Interview is relaxable for five years in the case SC/ST/OBC/Women/Persons with Disabilities (PWD) except Research Associate, SRF & JRF.
4. The engagement of the Project Staff will be subject to the availability of the fund.
5. Tenure of appointment in CSIR-NML under one or more projects will be co-terminus with the tenure of the respective projects or attainment of 5 years of engagement whichever is earlier.
6. 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.
7. Hindi may be used as a medium of conversation during the interview.
8. The Government strives to have a workforce that reflects gender balance, and women candidates are encouraged to apply.
9. In case where PhD. has been mentioned as essential qualification, it should be treated as PhD completed and certificate issued.
- 10. If the number of candidates for Walk-in-Interview is very high, then the Candidates will be shortlisted by a screening committee based on written test. Hence, the candidates who will qualify the written test only be eligible to appear in the interview.**
11. The candidates are advised to fill up the information in the prescribed Proforma carefully and correctly. A Separate Application form along with a recent colour passport photograph pasted on it and with self-attested copies of all relevant testimonials/certificates has to be submitted for each group.
12. If it is found at any stage of the recruitment process or thereafter that the candidates do not fulfil the eligibility criteria, their candidature shall be cancelled summarily without assigning any reason. Further, the decision of CSIR-NML in regard to selection process will be final and binding to all concerned. No correspondence in this regard will be entertained by the Institute.
13. Providing any false information may lead to ban in appearing for any future recruitment / engagement process in CSIR-NML and the same may be informed to other CSIR labs/Institutes, other Government Organizations/Agencies also
14. 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.
15. CSIR-NML 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.
16. All candidates will be required to follow COVID Guidelines issued by the Govt. during the interview process.
17. Other terms & conditions will be governed as per guidelines issued by the funding agency/CSIR-NML for the engagement of above Project Staff as amended from time to time.
18. Interested eligible candidates, who are Indian national and fulfil the above eligibility conditions, may report between **09-00 AM to 11-00 AM from 08-01-2024 to 12-01-2024 (as per the above mentioned schedule)** for Walk-in-Interview/Test at **CSIR-NML, Burmamines, Jamshedpur-831007 (Jharkhand)** with all certificates/documents in original in support of their qualifications/age/caste/experience(s) and duly completed application in the enclosed prescribed PROFORMA with a recent colour passport photograph pasted on it along with one self-attested copies of all relevant testimonials/certificates
19. Candidates are advised to constantly keep on visiting CSIR-NML Website at www.nmlindia.org for any update/change in the matter.

Administrative Officer

CSIR-NATIONAL METALLURGICAL LABORATORY
(Council of Scientific & Industrial Research)
Jamshedpur-831007

APPLICATION FOR ADVT.NO. 02/2023

Self attested
recent
colour
passport
size
photograph

1. Advertisement No. : **02/2023 (WALK-IN-INTERVIEW/TEST)**
2. Post applied for : Research Associate-I/ Project SRF/JRF/
Project Associate-I/II/Project Assistant/
Scientific Administrative Assistant/ Field Worker.
3. Name : _____
4. Father's /Mother's Name : _____
&
Contact No. : _____
5. Nationality : _____
6. Date of Birth : _____
7. UID/Aadhar No. : _____
8. Age as on : _____ Year _____ Month _____ Days
(Date of Walk-In-Interview)
9. Category : _____
(UR/EWS/SC/ST/OBC/PH)
10. E-mail address : _____
11. Ph. No./Mob. No. : _____
12. Correspondence : _____
Address

13. Permanent Address : _____

14. Educational Qualifications:
(In chronological order)

S N	Examination/Degree	Board/University	Subject	Year of passing	Class/Division	% Marks or CGPA
1						
2						
3						
4						
5						

15. GATE/NET(CSIR/UGC) Details (if any): _____

16. Details of work experience (if any):

Institution	Designation	Salary p.m.	From	To

17. If you are working or worked in CSIR-NML or any other CSIR Lab, please give details thereof:

CSIR Lab Name/ Division/Section	Position	Duration	
		From	To

18. If you are related to any CSIR employee, please give details thereof:

Name of the employee	Designation	Lab./Institute in which working	Your relation with the employee

I understand that the post applied for, by me is purely a temporary one and hereby declare that the statements made and information furnished in the application are true, complete and correct to the best of my knowledge & belief.

(Signature of Candidate)

Date:

Place:

Enclosures:

- 1.
- 2.
- 3.