



# CSIR-NATIONAL METALLURGICAL LABORATORY

(Council of Scientific & Industrial Research)

JAMSHEDPUR - 831007



Advertisement No.: 04/2022

A Walk-In-Interview/Test will be held from **12-12-2022 to 14-12-2022** at **CSIR-NML, Burmamines, Jamshedpur** for selecting suitable candidates for engagement on purely temporary basis as Project Associate-I/Project Associate-II/Sr. Project Associate/Project Assistants/Technical Assistant/Project SRF, 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	SSP-1305	Project Associate-I	1	M.Sc. in Chemistry or B. Tech. in Chemical Engg.	NIL	Closed loop know-how to recycle spent lithium-ion batteries (LIBs) to produce value added products of Li, Co, Mn, Cu, Ni, saleable plastics and graphite	<b>GROUP -A</b> <b>12-12-2022</b>
		Project Associate-I	1	M.Sc. in Chemistry or B. Tech. in Metallurgical Engg.	NIL		
2	SSP-1309	Project Associate-II	1	1. B. Tech. in Chemical Engg. or M.Sc. in Chemistry/ Environmental Science. and 2. Two years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services	Experience in hydrometallurgical extraction of metals from secondaries/e-wastes	Technology transfer for recycling lithium-ion batteries (LIBs) to recover saleable metal/salts of Li, Co, Mn, Ni, Cu, Al, graphite and plastics	
		Project Assistant	1	B.Sc. in Chemistry or 3 Years Diploma in Metallurgy/ Mechanical Engg.	NIL		

2	SSP-1309	Project-SRF	1	1. M.Sc. in Chemistry/Environmental Science or B. Tech. in Chemical Engg. with at least 55% marks and 2. Two years research experience and 3. One SCI publication.	Experience in hydrometallurgical extraction of metals from secondaries/e-wastes	Technology transfer for recycling lithium-ion batteries (LIBs) to recover saleable metal/salts of Li, Co, Mn, Ni, Cu, Al, graphite and plastics	<b>GROUP -A</b> <b>12-12-2022</b>
3	STS 0006	Project Associate-I	1	M. Sc. in Chemistry	NIL	Preparation & Services of Certified Reference Material	<b>GROUP B</b> <b>12-12-2022</b>
4	MLP 3134	Project Associate-I	1	M. Sc. In Chemistry	NIL	Indigenous Development of Benzoic Acid Reference Material for Calorimetry Analysis	
5	SSP 1261	Project Associate-II	1	1. M.Sc. in Chemistry, and 2. Two years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services	Experience in Instrumental Chemical Analysis	Grade Declaration of Referee Samples of CCL Area	
		Project Assistant	1	B.Sc. in Chemistry	Experience in Instrumental chemical analysis		
6	STS 0002	Project Associate-II	1	1. M.Sc. in Geology, and 2. Two years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services	Experience in Microscopic Characterization of Iron Ore and Liberation Study	Divisional Project of MNP	<b>GROUP C</b> <b>12-12-2022</b>

7	SSP-1205	Project Associate-I	1	M.Sc. in Geology	NIL	Evaluation of Grade of SECL Mines	<b>GROUP C</b> 12-12-2022
8	SSP 1335	Project Associate-I	1	M.Sc. in Chemistry	Experience in Instrumental chemical analysis	Ultra Trace Analysis of Li, Mo, In, Sb, Bi, Cs, W, Te and Tl in Soil and Sediment by ICP-MS	
9	SSP 1339	Project Associate I	1	M.Sc. in Chemistry	Experience in Instrumental chemical analysis	Distribution of Hg in Soil and Sediment Samples	
10	GAP 0298	Project Associate-I	1	B.E./B.Tech. in Mechanical or Metallurgy or Production Engineering	Must be familiar with material characterization	Investigation on weldability of 8 and 20 mm thick high nitrogen steel with strength of about 800 - 1200 MPa	<b>GROUP D1</b> 13-12-2022
		Project Associate-II	1	1. B.E./B.Tech. in Mechanical or Metallurgy or Production Engineering and 2. Two years 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. Experience in characterization or processing of materials		
11	MLP-3126	Project Associate - I	1	B.E./B.Tech. in Metallurgical and Materials Engineering or Metallurgical Engineering	Nil	Unveiling the abnormal grain growth mechanism in Grain oriented silicon steel	
12	HCP030W P1	Project Assistant	2	3 Year Diploma in Metallurgical Engineering	Experience in metallographic sample preparation	Development of Mg/Zn based biodegradable implants for orthopaedic applications	<b>GROUP D2</b> 13-12-2022

13	SSP-1306	Project Assistant	1	3 Years Diploma in Mechanical or Metallurgical Engineering	Experience in microstructural characterization and mechanical testing of materials (tensile, Charpy Impact, Hardness, etc.)	Microstructural and mechanical health assessment of centre buffer couplet parts	<b>GROUP D2</b> 13-12-2022
14	MLP-3131	Technical Assistant	1	3 Years Diploma in Metallurgical Engineering	Experience in operation of furnaces and reactors	Technological development for holistic utilisation of red mud for extraction of metal values and residue utilisation	
15	GAP-0292	Project Associate-I	2	B.Tech. in Chemical Engineering or Metallurgy or M.Sc.in Chemistry /Industrial Chemistry/Applied Chemistry	NIL	Technology development for extraction of critical metals from tin slag	<b>GROUP E</b> 13-12-2022
		Project Assistant	1	3 years Diploma in Metallurgical Engineering	Experience in Metallurgical Unit Operations		
16	GAP-0296	Project Associate-I	1	B.Tech. in Chemical Engineering or Metallurgy or M.Sc.in Chemistry/ Industrial Chemistry	NIL	Development of novel hydrometallurgical process for extraction of scandium from tin slag	

17	CLP220	Project Associate-I	1	B. Tech. in Chemical Engineering or Metallurgy or M.Sc.in Chemistry/ Industrial Chemistry	NIL	Technology Development for holistic utilisation of red mud for extraction of metallic values and residue utilisation	<b>GROUP E</b> <b>13-12-2022</b>
18	GAP-0291	Project Associate - I	1	B.Tech. in Metallurgy or Chemical Engineering or M.Sc. in Environmental Science	Experience in Metallurgical Unit Operations	Technology development on pilot scale for energy-efficient production of medium carbon ferromanganese in an electric arc furnace.	
19	MLP-3129	Senior Project Associate	1	1. M.E./M.Tech in Nanotechnology or Nanoscience and 2. Two years experience in R&D in Industrial and Academic Institutions or S&T Organisations and Scientific activities and services	Experience in the coating, thin film research area	Electro deposition of Corrosion Resistant Cr Carbide Coating on SS 316L for Sink Roll applications in continuous Galvanizing Lines.	<b>GROUP F</b> <b>13-12-2022</b>
20	MLP-3132	Project Associate-I	2	M.Sc. in Chemistry  Or B. Tech. in Chemical Engineering/ Metallurgical Engineering/Material Science and Metallurgy/Material Science Engineering	Experience in allied chemical activities in material synthesis.	Holistic utilization of zinc dross for recovery of high value zinc products	

20	MLP-3132	Project Assistant	2	B.Sc. in Chemistry Or 3 Year Diploma in Metallurgical/ Chemical Engineering/ Material science and Metallurgy/ Material Science Engineering	Experience in allied chemical activities in material synthesis.	Holistic utilization of zinc dross for recovery of high value zinc products	<b>GROUP F</b> <b>13-12-2022</b>
21	MLP-3133	Project Assistant	1	B.Sc. in Chemistry Or 3 Years Diploma in Metallurgical/ Chemical Engineering/ Material Science and Metallurgy/ Material Science Engineering	Experience in allied chemical activities in material synthesis.	Scale up study for the recovery of potash fertilizer and iron oxide from Indian glauconitic rocks.	
		Project Associate-I	1	M.Sc. in chemistry Or B. Tech. in Chemical Engineering/ Metallurgical Engineering/ Material Science and Metallurgy/ Material Science Engineering.	Experience in allied chemical activities in material synthesis		
22	SSP-1302	Project Assistant	1	B.Sc. in Chemistry or 3 Years Diploma in Metallurgical/ Chemical Engg.	Experience in Chemical Analysis	Development of Process for large scale production of Electrolytic Mn Metal (EMM) from MnSO <sub>4</sub> liquor	
23	MLP-3135	Sr. Project Associate	1	Ph.D. in Physics	NIL	Development of a Multi-strand sensing device with closed loop feedback control for Real- time Zinc Coating weight measurement in GI line	<b>GROUP G</b> <b>14-12-2022</b>
		Project Assistant	1	3 years Diploma in Electronics and Communication Engineering (ECE) or Electronics and Instrumentation Engineering (EIE) or Electrical and Electronics Engineering (EEE)	Hands-on experience in PCB design & fabrication, coil fabrication, circuit design, packaging of circuits and devices, Sensor calibration & characterization, LabVIEW, AutoCAD design etc.		

24	GAP-276	Project Associate-II	1	1.BE/B. Tech. in Electrical and Electronics Engineering (EEE) or Electronics and Communication Engineering (ECE) or Electronics and Instrumentation Engineering (EIE) and 2. Two years experience in R&D in industrial and academic institutions or science & technology organization and scientific activities and services.	Hands on experience in UT, EC, MATLAB etc.	Development of Advanced NDE based diagnosis and prognosis protocols for A-USC Power Plants.	<b>GROUP G</b> <b>14-12-2022</b>
25	MLP-3130	Project Assistant	1	3 Years Diploma in Mechanical Engineering	Experience in sample polishing, paint coating	Self healing coating for corrosion protection of structural steel	<b>GROUP H</b> <b>14-12-2022</b>
26	SSP1283	Project Assistant	1	3 Years Diploma in Mechanical Engineering	NIL	Elevated temperature tensile and creep behaviour of different grades of steels	
27	SSP-1321	Project Assistant	1	3 Year Diploma in Mechanical Engineering	Experience in mechanical testing of materials	Destructive test and analysis for establishing LEM of boiler tubes	

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

Level	Emoluments (Rs)	Upper Age Limit	Remarks
Project Assistant/ Technical 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
Senior Project Associate	42000/-+HRA	40	-
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. 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 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 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.
2. 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).
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 12-12-2022 to 14-12-2022(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](http://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. 04/2022**

Self attested  
recent  
colour  
passport  
size  
photograph

1. Advertisement No. : 04/2022 (WALK-IN-INTERVIEW/TEST)
2. Post applied for : Project Associate-I/II/Sr. Project Associate/  
Project SRF/Project Assistant/Technical Assistant.
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.