



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



Advertisement No.: 03/2022

A Walk-In-Interview/Test will be held from **02-08-2022 to 05-08-2022** 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/Scientific Administrative Assistant/Project Assistants, 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-1261	Sr. Project Associate	01	1. M.Sc. in Chemistry and 2. Four years experience in Chemical Analysis of Ferroalloys, iron ores, limestone, bauxite, steel etc.	Knowledge of NABL documentation	Grade Declaration of referee samples of CCL area	GROUP A 02-08-2022
		Project Assistant	01	B.Sc. in Chemistry	Experience in chemical analysis of Ferroalloys, Iron ores, Limestone, Bauxite, Manganese ore, steel etc.		
2	CSIR-FTT Project	Project Associate-I	01	M.Sc. in Chemistry	Nil	Indigenous Development of Benzoic Acid Reference Material for Calorimetry Analysis	
3	CSIR-FTT Project	Project Associate-I	01	M.Sc. in Chemistry	Nil	Self-healing Coating for Corrosion Protection of Structural Steel	
4	SSP-1266	Project Associate-II	01	1. M.Sc. in Chemistry and 2. Two years experience in Instrumental chemical analysis	Nil	Evaluation of grade of SECL mines	
5	STS-0002	Project Associate-II	01	1. M.Sc. in Geology and 2. Two years experience in Mineral characterization through optical microscope	Nil	MNP Divisional Project	

6	HCP0042	Project Associate-II	01	1. B.E./B.Tech in Computer Science and Engineering or Information Technology or Electrical Engineering or Electronics and Communication Engineering and 2. Two years research experience	1. Expertise in C++/Python/MATLAB/LabVIEW 2. Exposure of machine learning and software development	Development of an AI based smart alarm system for predicting critical temperature zone of large industrial structure	GROUP-B 02-08-2022
7	GAP- 0297	Project Associate-II	01	1. B.E./B Tech in Electronics & Instrumentation Engg. or Electronics & Communication Engg. or Electrical & Electronics Engg. or Instrumentation Engg. or Electronics Engg. and 2. Two years experience in R&D in Industrial and Academic Institutions or Science & Technology Organizations and Scientific activities and services	Nil	Establishment of a Centre of Innovation & a Manufacturing Eco-System for Sensors (CIMES) in Industrial IoT	
8	NWP-100	Scientific Administrative Assistant	01	B.A. in Journalism & Mass communication	One year experience in Video editing and animation making software like Adobe premier pro, filmora pro, animaker, etc	CSIR Integrated Skill Initiative	GROUP-C 03-08-2022
9	SSP-1318	Scientific Administrative Assistant	01	B.Com	M.Com	Thermo-mechanical Processing and heat treatment	

10	STS-0009	Scientific Administrative Assistant	01	BCA or B.Sc. in Computer Science or B.Sc. in IT	1. MCA 2. Knowledge and experience of web Development using open source software like PHP, MySQL, CSS, jQuery etc.	AAC Divisional Project	GROUP-C 03-08-2022
		Project Associate-II	01	1. MCA or M.Sc. in Computer Science or M.Sc. in IT and 2. Two years of experience in web development using open source software like PHP, MySQL, CSS, jQuery etc	NIL		
11	STS-0005	Scientific Administrative Assistant	01	BCA or B.Sc. in Computer Science or B.Sc. in IT	NIL	MTE Divisional Project	
12	GAP-0292	Project Associate-I	02	B.E/B.Tech in Metallurgy/Chemical Engineering or M.Sc. in Chemistry/ Environmental Science.	1. GATE for Engineering & NET for Science Candidates 2. Experience in Extractive Metallurgy	Processing Of Tin Slag And Technological Extraction Of Critical Elements For High Strength Low Alloy Steels	
		Project Assistant	01	3 Years Diploma in Metallurgical Engineering	Experience in Extractive Metallurgy		
13	CLP-220	Project Associate-I	02	B.E/B.Tech in Metallurgy/Chemical Engineering or M.Sc. In Chemistry	Experience as publications in pyrometallurgy and hydrometallurgy	Technology Development For Holistic Utilization Of Red Mud For Extraction Of Metallic Values & Residue Utilisation	
		Project Assistant	01	B.Sc in Chemistry	Hands-on certified experience in metal analysis by AAS, XRF, and other tools		

14	SSP-1270	Project Associate-I	01	B.E./B.Tech. in Mechanical Engineering or Metallurgical Engineering	NIL	RLA of heater tubes	GROUP-E 03-08-2022
15	SSP-1326	Project Associate-I	01	B.E./B.Tech. in Mechanical Engineering or Materials Engineering or Metallurgical and Materials Engineering	1. M.E./M.Tech. in Mechanical or Materials Engineering or Metallurgical and Materials Engineering 2. Experience in fracture mechanics tests	Preliminary Fatigue Crack Growth Rate and Fracture Toughness Testing At High Temperatures	
16	DST/ TDT/ SHRI/2022 / 52	Project Associate-I	01	B.E./B.Tech. in Metallurgical Engineering or Materials Engineering	NIL	Integrity of the Iron Beams at Konarka Temple	
17	HCP 44B	Project Assistant	01	3 Years Diploma in Mechanical Engineering	Experience in Mechanical Engineering	Development of large scale synthesis process for transition metal nano-composite based efficient and stable bifunctional electrocatalyst for anionic membrane alkaline water electrolyzer.	GROUP-F 04-08-2022
		Sr. Project Associate	01	Ph.D. in Chemistry	Research Experience on inorganic nano-material synthesis.		
18	MLP-3127	Project Associate-I	01	B.E./B.Tech in Metallurgical Engineering or M.Sc. In Chemistry	Experience in solution preparation and analysis of data, metallography work.	Mitigation of wettability issues during galvanization of advanced high strength (> 1000 MPa) steels in steel industries by adopting a unique sol gel pre-coat.	

19	MLP 0012	Project Associate-I	01	B.E./B.Tech. in Metallurgical Engineering or Mechanical Engineering	Experience in hotdip Galvanising and coating	AMP Divisional Project	GROUP-F 04-08-2022
20	MLP 3128	Project Assistant	01	3 Years Diploma in Metallurgy or 3 Years Diploma in Mechanical Engineering	NIL	Precipitation hardened compositionally complex alloys (CCAs) aided with hetero-deformation induced (HDI) Strengthening	
21	HCP - 44A	Project Associate-I	02	B.E./B.Tech in Metallurgical Engineering or Mechanical Engineering	NIL	High Entropy Alloys for hydrogen storage application operable at Room Temperature (HEART)	GROUP-G 04-08-2022
22	SSP-1275	Project Associate-I	01	B.E./B.Tech in Mechanical Engineering or Metallurgical Engineering	Working and theoretical knowledge in metal forming and processing , knowledge in Ms office ,Excel, Origin software	Thermo-mechanical processing and cold rolling of medium carbon high manganese alloy steels	
23	SSP-1322	Project Associate-I	01	B.E./B.Tech in Mechanical Engineering	Experience in metallographic sample fabrication, mechanical property evaluation, heat treatment, etc.	Development of Optimized methodology for hot rolled TWIP steel plates (10mm thickness)	
24	GAP-0274	Project Associate-I	01	B.E./B. Tech. in Metallurgical Engineering or Mechanical Engineering	GATE for Engineering & NET for Science Candidates	High Temperature Oxidation and Hot Corrosion behavior of selected materials for Clean Coal Technologies for Power Plant Applications	

25	GAP-0285	Project Associate-II	01	1. M.Sc. in Chemistry or B.E./B. Tech. in Metallurgy/ Materials Sc. / Chemical / Ceramics and 2. Two years working experience in the area of waste utilization	Working experience in waste utilization, cement, etc.	Hot stage engineering of copper smelter slag for recovery of iron and subsequent use of resulting	GROUP-H 04-08-2022
26	SSP-1259	Project Assistant	02	B.Sc. in Chemistry or 3 Years Diploma in Metallurgy or 3 Years Diploma in Chemical Engineering	Experience in Chemical Analysis	Roasting & Hydrometallurgical processing of Coal Slag.	
27	SSP-1291	Project Associate-I	01	B.E./B.Tech. in Metallurgical Engineering or Chemical Engineering	Nil	Analysis and Upgradation of subgrade iron ore fines through fluidized bed reduction with separation	
28	SSP 1303	Project Associate-I	01	B.E./B.Tech in Metallurgical Engineering or Chemical Engineering	Nil	Refining of hot metal in MgO lined induction furnace	
29	MLP-3126	Project Assistant	01	3 Years Diploma in Mechanical Engineering Or 3 Years Diploma in Metallurgical Engineering	Experience in fabrication of specimens, metallographic sample preparation	Unveiling the Abnormal Grain Growth Mechanism in Grain Oriented Silicon Steels	GROUP-I 05-08-2022
		Project Associate-I	01	B.E./B.Tech. in Mechanical Engineering	Experience in hot rolling, heat treatment and microstructure analysis		
		Sr. Project Associate	01	M.E./M.Tech in Metallurgical Engineering with 2 years experience in R&D in Industrial and Academic Institutions or S&T Organizations and Scientific activities and services	Proven expertise and experience in the area of bulk and micro-texture acquisition/analysis, heat treatment		

30	GAP-0298	Project Associate-I	01	B.E./B.Tech. in Metallurgy	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	GROUP-I 05-08-2022
		Project Associate-II	01	1. B.E./B.Tech. in Metallurgy or Mechanical Engineering and 2. Two years of research experience in welding	GATE for Engineering Candidates		
31	SSP-1323	Project Associate-I	01	M.Sc. in Chemistry	Experience in hydrometallurgy and metal separation	Transfer of Technology for recovery of Li, Ni, Co and Mn from spent Lithium-ion batteries	GROUP-J 05-08-2022
32	GAP-0295	Project Associate-I	01	B.E./B.Tech in Metallurgical Engineering or Chemical Engineering or M.Sc. In Chemistry	NIL	Recycling of graphite from spent lithium-ion batteries for energy storage applications	

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
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	-

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 on the 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 will 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 one 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. 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. and also required to wear mask/face covers, at all times 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 02-08-2022 to 05-08-2022(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 for any update/change in the matter.

Administrative Officer

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

APPLICATION FOR ADVT.NO. 03/2022

Self attested
recent
colour
passport

1. Advertisement No. : 03/2022 (WALK-IN-INTERVIEW/TEST)
2. Post applied for : Project Associate-I/II/Sr. Project Associate/
Scientific Administrative Assistant/
Project 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.