



CSIR-NATIONAL METALLURGICAL LABORATORY
(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)
BURMAMINES, JAMSHEDPUR-831007



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No.2-NML (199)/2026-E.I

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Advertisement No. T/PS/04/2026

Advertisement for engagement of Project Staff in CSIR-NML, Jamshedpur

CSIR-National Metallurgical Laboratory, Jamshedpur, a Laboratory under Council of Scientific & Industrial Research (CSIR), will conduct a walk-in-interview on **06.10.2026 (Tuesday), 07.10.2026 (Wednesday), 08.10.2026 (Thursday) & 09.10.2026 (Friday)** for selecting suitable candidates for engagement on purely temporary basis as Project Assistant-I (PA-I), Project Assistant-II (PA-II), Scientific Administrative Assistant (SAA), Project Associate-I (PAT-I), Project Associate-II (PAT-II), Project-JRF, Project Scientist-I (PS-I) etc. at different level against various time bound projects tenable at this Laboratory, as per details given below:

Sl. No.	Group	Project Number	Title of the Project	Position/ Level	Nos.	Essential Qualifications	Desirable (if any)
01.	Group-A Date: 06.10.2026	SSP-1509	Creep & Stress Rupture Behaviour of Boiler Tubes T11 & T12 Material	Project Assistant-II (PA-II)	01	3 years Diploma in Mechanical /Metallurgical /Metallurgical and Materials Engineering /Materials Science and Engineering	
02.		RAIL-001	Metallurgical failure investigation of wagon components.	Project Associate-I (PAT-I)	01	B. Tech in Metallurgical/ Materials & Metallurgical/ Materials Science/Mechanical Engineering from a recognized University	
03.		META-001	Material evaluation of roller pins and spherical roller bearings	Project Assistant-I (PA-I)	01	10 th Plus ITI in Fitter Trade	
04.		SSP-1537	Creep, stress rupture and fatigue behaviours of different grades of steels.	Project Assistant-II (PA-II)	01	3 years Diploma in Metallurgical Engineering	
				Project Assistant-I (PA-I)	01	10 th Plus ITI in Turner Trade	
05.	Group-B Date: 06.10.2026	MMP085202-WP-2	Development of process for the recovery of selenium as metal/ oxide and tellurium as metal form copper anode slime.	Project Associate-I (PAT-I)	01	M.Sc. in Chemistry from a recognized University	
				Project Assistant-II (PA-II)	01	B.Sc. in Chemistry/ Environmental Science	
06.		SSP-1461	Large scale production of electrolytic Mn Metal from MnSO ₄ Solution	Project Assistant-II (PA-II)	01	3 years Diploma in Metallurgical Engineering Or B.Sc. in Chemistry	

07.		SSP-1312	Quality Assessment of Coal Samples of WCL Ballarpur Sponsoring Organization: Western Coalfield Limited (WCL), Ballarpur	Project Assistant-II (PA-II)	03	B.Sc. in Chemistry/Geology	
08.		SSP-1530	Geochemical and Mineralogical Characterization of Borehole Core Samples from the Singrauli Coalfields	Project Associate-II (PAT-II)	01	M.Sc. in Chemistry from a recognized University and 2 years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.	Experience in Chemical Analysis of Ores, Minerals and Coal
09.		FTT-080611	Establishment of SI Traceability through national standard of CSIR-NPL for Ores & Minerals BNDs of CSIR-NML	Project Associate-I (PAT-I)	02	M.Sc. in Chemistry/Geology from a recognized University	Experience in Chemical Analysis of Ores, Minerals and Metal Samples
10.		HCL Project	Process flowsheet development for beneficiation of molten copper slag	Project Assistant-II (PA-II)	01	B.Sc. in Chemistry/ Geology	
11.	Group-C Date: 07.10.2026	MMP-085203/1	Recovery of high purity grade silicon from EOL solar PV panels	Project Assistant-II (PA-II)	01	3 Years Diploma in Chemical/Metallurgical Engineering Or B.Sc. in Chemistry	
				Project Associate-I (PAT-I)	03	B. Tech in Chemical/ Metallurgical/ Metallurgical and Materials /Material Science & Engineering from a recognized University Or M.Sc. in Chemistry from a recognized University	
12.		MMP-015202	Technological intervention in the Dokra handicrafts for increased productivity, aesthetic and quality	Project Associate-I (PAT-I)	01	B. Tech in Chemical/ Metallurgical Engineering from a recognized University Or M. Sc. in Chemistry/ Environmental Science from a recognized University	
13.		MMP-085202-WP-3	Recovery of Tin and Antimony from lead tin antimony dross	Project Assistant-II (PA-II)	01	3 Years Diploma in Metallurgical Engineering Or B.Sc. in Chemistry	
				Project Associate-I (PAT-I)	01	B. Tech in Metallurgical/ Chemical Engineering from a recognized University	

14.		MMP-085203/3	Development of scale up process to recover In and Sn from waste LCD panels	Project Associate-I (PAT-I)	02	B. Tech in Metallurgical/ Chemical Engineering from a recognized University Or M.Sc. in Chemistry from a recognized University	
				Project Assistant-I (PA-I)	01	10 th Plus ITI in Electrician Trade	
15.	Group-D Date: 07.10.2026	NCP-080401	Development of Sustainable Solid Biofuels from Biomass for Sponge Ironmaking	Project Associate-II (PAT-II)	01	M. Tech in Mechanical/ Metallurgy/ Agricultural Engineering from a recognized University or equivalent Or M.Sc. in Physics/ Chemistry/ Biology from a recognized University and 2 years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.	
16.		TD Connex Project	Feasibility studies for recycling of spent NdFeB magnet machining waste to value added products	Project Associate-I (PAT-I)	02	B. Tech in Metallurgical and Materials/ Metallurgical/ Chemical Engineering from a recognized University Or M.Sc. in Chemistry from a recognized University	
				Project Assistant-II (PA-II)	01	3 Years Diploma in Metallurgical Engineering Or B.Sc. in Chemistry	
17.		SSP-1516	Evaluation and Assessment of Field Withdrawn CBC Parts	Project Associate-I (PAT-I)	01	B. Tech in Metallurgical Engineering from a recognized University	
18.	Group-E Date: 08.10.2026	GAP-0317	Guided wave nonlinear ultrasonic and wave mixing techniques to assess fatigue damage in Al-Mg-Sc alloy	Project Associate-II (PAT-II)	01	B. Tech in Mechanical Engineering from a recognized University or equivalent and 2 years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.	Experience in finite element method, MATLAB, fatigue-fracture analysis of metals
19.		SSP-1540	Mechanical assessment & microstructural characterization of newly developed aluminium alloy.	Project Associate-II (PAT-II)	01	B. Tech in Mechanical Engineering from a recognized University or equivalent and 2 years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.	Experience in Finite Element Analysis, Residual Stress assessment in materials

20.		DAE-BRNS Project	Investigation of creep deformation behaviour of NMCT alloy	Project Associate-I (PAT-I)	01	B. Tech in Mechanical Engineering from a recognized University	
21		GAP-0305 (WP-10)	Centre of Excellence for Wear and Corrosion Resistant Coatings (WP-10): Wear and Corrosion Resistant Coatings for Railway Tracks.	Project Associate-I (PAT-I)	01	B. Tech in Metallurgy/ Material Science/ Metallurgical and Materials/ Mechanical Engineering from a recognized University Or M.Sc. in Chemistry from a recognized University	
22.		GAP-0305 (WP-08)	Centre of Excellence in wear and corrosion resistant coating technology	Project-JRF	01	B. Tech. in Metallurgical/ Chemical/ Mechanical Engineering and selected through a process described through any one of the following: a) Scholars who are selected through National Eligibility Tests – CSIR-UGC NET including lectureship (Assistant Professorship) and GATE. b) The Selection process through National level examinations conducted by Central Government Departments and their agencies and Institutions such as DST, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.	
				Project Associate-I (PAT-I)		B. Tech. in Metallurgical/ Chemical/ Mechanical Engineering from a recognized University Or M.Sc. in Chemistry/ Physics from a recognised University	
23.	Group-F Date: 08.10.2026	MLP-002636	Technology Innovation and Capacity Building for Industrially relevant Minerals, Metals and Materials Engineering (NML-MMM).	Project Assistant-II (PA-II)	02	B.Sc. in Information Technology/ Bachelor of Computer Application (BCA)	
24.		TMP-249 (ANRF-CRMR Project)	Process Development and Its scale-up for production of high grade graphite from Natural Graphite	Scientific Administrative Assistant (SAA)	01	B.Sc. in Information Technology/ Bachelor of Computer Application (BCA)	Proficiency in MS Excel, Word, Power Point and Data Base Management System

25.	Group-G Date:09.10.2026	HCP-002601	Jigyasa: Bridging scientists and school students for R&D Outreach and Innovation	Project Assistant-I (PA-I)	01	10 th Plus ITI in Electrician Trade	
26.				Project Assistant-II (PA-II)	02	3 years Diploma in Electronics/Electronics and Communication/ Computer Science and Engineering Or B.Sc. in Chemistry	Experience in DIY kit development & demonstration
27.		HCP-002502	CSIR Integrated Skill Initiative - Phase III	Project Associate-II (PAT-II)	01	M.Sc. in Chemistry from a recognized University or equivalent and 2 years experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific activities and services.	Experience in organizing Skill Development Training, data analysis and demonstration
28.		Vedanta Project	Development of an Automated Aluminium Ingot Counter for Quality Assurance	Project Associate-I (PAT-I)	01	B. Tech in Electronics and Communication/ Electronics and Instrumentation Engineering from a recognized University	
29.		SSP-1542	Evaluation of debonding area in CON rods using ultrasonic imaging	Project Associate-I (PAT-I)	01	B. Tech in Electrical and Electronics Engineering from a recognized University	Experience in Eddy Current and Ultrasonic NDE
30.	Group-H Date: 09.10.2026	TMP-249 (ANRF-CRMR Project)	Process development and its scale-up for production of high grade graphite from Natural graphite	Project Scientist-I (PS-I)	01	Ph.D. in Geology	2 years of experience in organic petrology and geo-chemistry and minimum 2 publication in SCI journal.
31.				Project-JRF	02	B. Tech in Chemical/ Metallurgical/Mechanical/ Mineral Engineering and selected through the process describe any of the following: a) Scholars who are selected through National Eligibility Test-CSIR-UGC NET including lectureship (Assistant Professorship) and GATE. b) The selected Process through National Level examination conducted by Central Government Department and their Agencies and Institutions such as DST, DBT, DAE, DOS, DRDO, MHRD, ICMR, ICAR, IIT, IISc, IISER etc.	
32.				Project Associate-I (PAT-I)	1	B. Tech in Chemical/ Metallurgical /Mechanical Engineering from recognized University Or M.Sc. in Chemistry from recognized University	

- Offer of engagement will be issued subject to receipt of the fund in respective project from the funding agency.
- The Government strives to have a workforce that reflects gender balance, and women candidates are encouraged to apply.

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

Level	Emoluments (Rs.)	Upper Age Limit (as on date of Interview/ Test)	Remarks
Project Assistant-I (PA-I)	18,000/- + HRA	35	Criteria as per CSIR norms.
Project Assistant-II (PA-II)	20,000/- + HRA	35	Criteria as per CSIR norms.
Scientific Administrative Assistant (SAA)	(For ANRF sponsored Project) 24,000/- + HRA	50	Criteria as per ANRF Guidelines and Emoluments.
Project-Junior Research Fellow (Project-JRF)	37,000/- + HRA	28	Criteria as per DST, GOI norms.
Project Associate-I (PAT-I)	25,000/- + HRA 31000/- + HRA *	35	* Candidates who have qualified CSIR-UGC/ICAR/ICMR NET including lectureship/ Assistant Professorship or GATE Or Those who have qualified National level examinations conducted by Central Government Departments like DBT/DST or equivalent and/ or their Agencies/ Institutions.
	(For ANRF sponsored Project) 30,000/- + HRA 37000/- + HRA**	50	** Scholars who are selected through (a) National Eligibility Tests- CSIR-UGC NET including Lectureship (Assistant Professorship) or GATE or (b) A selection process through National level examinations conducted by Central Government Departments and their Agencies and Institutions.
Project Associate-II (PAT-II)	28,000/- + HRA 35,000/- + HRA *	35	* Candidates who have qualified CSIR-UGC/ICAR/ICMR NET including lectureship/ Assistant Professorship or GATE Or Those who have qualified National level examinations conducted by Central Government Departments like DBT/DST or equivalent and/ or their Agencies/ Institutions.
Project Scientist-I (PS-I)	(For ANRF sponsored Project) 77,000/- + HRA	50	Criteria as per ANRF Guidelines and Emoluments.

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 and Conditions:

1. The engagement of Project Staff which is on contract basis in respect of all the above positions which is against various time bound project tenable at this Laboratory, will confer no rights on the candidates, whatsoever, implicitly and/ or explicitly for their continuation beyond tenure/ absorption/ regularization in CSIR/ CSIR-NML. The engagement shall be for short period and co-terminus with the project and may be terminated at any time by giving a notice of one month from either side or one-month stipend in lieu thereof.
2. The candidates who have already been engaged in CSIR-NML or any other Lab/ Institute of CSIR as Project Staff for a period of 6 years or more are not eligible for the above engagements. The candidates who have been engaged for a period lesser than 6 years, upon selection, their tenure will automatically end on completion of 6 years. Selected Candidate(s) will be engaged initially for a certain period against the respective project, which may be curtailed or extended at the discretion of the competent authority, CSIR-NML.
3. Upper Age limit as on date of Walk-in-Interview is relaxable for SC/ST/PwBd/Women and category of OBC candidates by 05 years and 03 years respectively.
4. The engagement of the Project Staff will be subject to the availability of the fund.
5. Hindi may be used as a medium of conversation during the interview.
6. 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 or on any other criteria adopted by the screening committee and only those shortlisted so will be allowed to appear in the Interview.
7. An Application form along with a recent colour passport photograph pasted on it with self-attested copies of all relevant testimonials/ certificates has to be submitted for each group by the candidates on the date of Walk-in-Interview/ Test itself. No other mode of application will be entertained.
8. If it is found at any stage of the engagement 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 Laboratory/Institute.
9. 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.
10. The number and levels of positions may increase or decrease at the time of actual selection or may be cancelled also even after conclusion of selection process as well. 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 candidates any claim, implicit or explicit on any CSIR/ CSIR-NML post.
11. CSIR-NML reserves to 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.
12. No TA/DA will be paid to the candidates for attending the Walk-in-Interview/Test.
13. Final Semester / Year students who are awaiting results and hence not in possession of final result as on the date of walk-in-interview are not eligible to attend the interview.
14. The cut-off date for determining the essential qualifications and the upper age limit shall be the scheduled date of interview.

15. Other terms & conditions will be governed as per guidelines issued by the funding agency/ CSIR for the engagement of above Project Staff, as reads with amendments if any, thereto.

Interested eligible candidates, who are Indian national and fulfil the above eligibility condition, may report between **09.00 A.M. to 11.00 A.M. on 06.10.2026 (Tuesday), 07.10.2026 (Wednesday), 08.10.2026 (Thursday) & 09.10.2026 (Friday) (as per the above mentioned schedule)** for Walk-in-Interview/Test at **CSIR-NML, Burmah Mines, Jamshedpur-831007 (Jharkhand)** with all certificates/ documents in original in support of their qualification/ age/ caste/ experience(s) and duly filled in application in the enclosed prescribed **PROFORMA** with a recent colour passport pasted on it along with one self-attested copies of all relevant testimonials/ certificates.

Candidates are advised to constantly keep on visiting CSIR-NML Website at <https://nml.res.in> for any update/change related to this engagement process.

Sd/-
Controller of Administration





CSIR-NATIONAL METALLURGICAL LABORATORY
(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)
BURMAMINES, JAMSHEDPUR-831007



PROJECT STAFF APPLICATION FORM

Advertisement No. **T/PS/04/2026 Dated 22.09.2026**

Walk-in Interview on _____ (DD.MM.YYYY)

Name of Post Applied For: - _____
(PA-I/ PA-II/ SAA/ PAT-I/ PAT-II/Project-JRF/ PS-I)

Group & Project No.: _____

(Separate application form is required to fill for each Group)

Affix self-
attested
recent
passport
size colour
photo.

1.	Name of the Candidate (Mention the name as per SSC/SSLC/10 th Certificate)										
2.	Father/Mother's Name (Mention the name as per SSC/SSLC/10 th Certificate)										
3.	Date of Birth (DD/MM/YYYY)										
4.	Gender (Male/ Female/ Others)	Male ☐ Female ☐ Others ☐									
5.	Category (UR/SC/ST/OBC/EWS)	UR ☐ SC ☐ ST ☐ OBC ☐ EWS ☐									
6.	PwBD: (Yes/ No)	Yes ☐ No ☐									
7.	Religion:										
8.	Marital Status:	Married ☐ Unmarried ☐									
9.	Permanent Address (Mention H.no. Street Name, Village, Mandal, City, District, State, Pin code)										
10.	Correspondence Address (Mention H.no. Street Name, Village, Mandal, City, District, State, Pin code)										
11.	Aadhar Number:										
12.	Email Id (Operational):										
13.	Mobile Number (Self):										

14. Educational Details:

Sl. No.	Name of the Course	Year of Passing	Percentage / CGPA	Subjects Studied/ Discipline	Name of the Board/ University
a.	SSC/SSLC/10 th Standard				
b.	10+2 / Intermediate				
c.	Graduation / Diploma (_____)				
d.	Post-Graduation (_____)				
e.	Ph.D. (if any)				
f.	Any Other Qualification (CSIR-UGC NET/GATE if any)				

15. Experience (if any):

From (DD.MM.YYY)	To (DD.MM.YYY)	Designation	Name of the Organisation

16. Had you appeared for interview earlier in CSIR-NML: Yes / No (If Yes, No. of attempts):

17. Presently Working as Project Staff in CSIR-NML / Other CSIR Lab: Yes / No (If Yes, attach joining OM)

18. Any relatives working in CSIR-NML? : Yes / No (If Yes, mention name, designation & lab/Inst.):

I hereby declare that the particulars given above are true to the best of my knowledge and belief. I am aware that I will not have any claim or regular employment in the CSIR-NML service on the basis of this selection / extension of my services.

Place:

Signature

:

Date:

Name in Block Letters:

NOTE: Candidates **must bring** the Filled-in Project Staff Application Form, Self-attested copies of Educational/Experience/Community certificates, Aadhaar Card, PAN Card & if any and the Originals for verification on the day of the **Walk-in Interview**.

Enclosures (Self Attested Photocopies):

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.