



सीएसआईआर - राष्ट्रीय धातुकर्म प्रयोगशाला
CSIR - NATIONAL METALLURGICAL LABORATORY
बर्माइंस, जमशेदपुर, BURMAMINES, JAMSHEDPUR – 831007



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No.2-NML (185)/2025-E.I

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Advertisement No. T/PS/04/2025

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

CSIR-National Metallurgical Laboratory, Jamshedpur, an Institute under Council of Scientific & Industrial Research (CSIR), will conduct a walk-in interview on **03.12.2025 (Wednesday), 04.12.2025 (Thursday) & 05.12.2025(Friday)** for selecting suitable candidates for engagement on purely temporary basis as Project Assistant-I (PA-I)/ Project Assistant-II (PA-II)/Project Associate-I (PAT-I)/ Project Associate-II (PAT-II)/ Project Scientist-I/ etc. at different level against various time bound projects tenable at this Laboratory, as per details given below:

Sl. No.	Project No.	Position / Level	No. of Post	Essential Qualification	Project Name	Group
1	MMP085202WP1	Project Assistant-II (PA-II)	01	Diploma in Chemical Engineering/ Metallurgical Engineering Or B.Sc. in Chemistry	Potash fertilizer recovery from indigenous silicate minerals K-feldspar with simultaneous production of valuable by-products	Group A (03.12.2025)
2	CSIRO-2	Project Assistant-II (PA-II)	01	Diploma in Metallurgical Engineering	Investigation on the preparation of DRI from the magnetite precipitate generated from VTM and ilmenite in CSIRO's Ti/V extraction process	
3	HCP-54-WP-15	Project Assistant-II (PA-II)	01	B.Sc. in Chemistry	Rare Earth Recovery from Waste Magnet (NdFeB)-waste scrap to Metal/Oxide/Salt Product	
4	MMP085202-WP-3	Project Assistant-II (PA-II)	01	B.Sc. in Chemistry	Recovery of Tin and Antimony from Lead-Tin-Antimony dross.	
5	HCP-048	Project Associate-I (PAT-I)	01	B.Tech. in Chemical Engineering Or M.Sc. in Environmental Sciences	CO ₂ Capture (CC) by Amine Absorption Process with Sequestration by Modified Mineral Carbonation (MC) and Recovery of Marketable Products and Waste Heat (WH)- A Holistic Technology Development Approach	
6	MMP 085203/1	Project Associate-I (PAT-I)	03	B.Tech in Chemical Engineering /Metallurgical Engineering /Metallurgical and Materials Engineering / Material Science/Materials Engineering Or M.Sc. in Chemistry.	(c-SEAS) Recovery of high purity grade silicon from EOL solar PV panels	

7	MMP 085203/1	Project Associate-II (PAT-II)	02	M.Tech in Chemical Engineering/ Metallurgical Engineering/ Metallurgical and Materials Engineering/ Material Science/ Materials Engineering Or B. Tech in Chemical Engineering/ Metallurgical Engineering/ Metallurgical and Materials Engineering /Material Science/Materials Engineering with 2 years experience	(c-SEAS) Recovery of high purity grade silicon from EOL solar PV panels	Group B (03.12.2025)
8	HCP-54-WP-14	Project Associate-I (PAT-I)	02	B.Tech in Chemical Engineering/Metallurgical Engineering/ Metallurgical and Materials Engineering/ Material Science/Materials Engineering	Process technology for the recycling of waste c-Si PV modules.	
9	MMP 085203/1	Project Assistant-II (PA-II)	02	Diploma in Chemical Engineering/ Metallurgical Engineering or B.Sc. in Chemistry	(c-SEAS) Recovery of high purity grade silicon from EOL solar PV panels	
10	MMP 085203/2	Project Associate-I (PAT-I)	01	B.Tech in Chemical Engineering Or Mineral Engineering Or Mechanical Engineering. Or Data Science.	(c-SEAS) Zero water process for solar panel recycling	
11	SSP-1361	Project Associate-I (PAT-I)	02	M.Sc. in Chemistry	Seam overall characteristics of coal sample of CMPDIL	
12	SSP 1312	Project Associate - I (PAT-I)	01	M.Sc. in Chemistry	Quality Assessment of Coal Samples of WCL Ballarpur Sponsoring Organization: Western Coalfield Limited (WCL), Ballarpur	
13	GAP-0306	Project Associate - I (PAT-I)	02	M.Sc. Chemistry/ B. Tech. in Chemical Engineering.	E-waste recycling project (Meity, GOI)	
14	GAP-0306	Project Assistant-II (PA-II)	02	B.Sc. Chemistry/ Diploma in Glass Blowing Technology	E-waste recycling project (Meity, GOI)	
15	MMP 085203/3	Project Assistant-II (PA-II)	04	B.Sc. Chemistry/ Diploma in Glass Blowing/ Metallurgy	Recovery of In and Sn from e-waste	
16	MMP 085203/3	Project Associate - I (PAT-I)	04	M.Sc. in Chemistry / B.Tech in Chemical Engineering.	Recovery of In and Sn from e-waste	

17	MMP 085203/3	Project Assistant-I (PA-I)	02	ITI or equivalent in Glass Blowing	Recovery of In and Sn from e-waste	Group C (03.12.2025)
18	SSP 1452	Project Assistant - II (PA-II)	01	B.Sc. in Chemistry	Assessment of coking coal quality with respect to active component present in coking coal	
19	MMP085201	Project Associate - I (PAT-I)	02	M.Sc. in Chemistry; B.E./B.Tech- Chemical Engineering / Metallurgy	Recovery of Metal Values from Spent Lithium Ion Batteries and Fabrication of New Lithium Ion Batteries (LIBs)	
20	MMP085201	Project Assistant - II (PA-II)	01	B.Sc. in Chemistry/ Diploma in Metallurgical Engineering	Recovery of Metal Values from Spent Lithium Ion Batteries and Fabrication of New Lithium Ion Batteries (LIBs)	
21	SSP-1485	Project Assistant-II (PA-II)	01	B.Sc. Chemistry/ Diploma in Metallurgical Engineering	Technology Development for the recovery of Li, Ni, Co, Mn and reusable graphite from spent Lithium-ion battery	
22	CSIRO-1	Project Associate - I (PAT-I)	02	B.Tech in Chemical/ Metallurgical Engineering Or M.Sc. in Chemistry/ Environmental Science	Technical improvements for up gradation to saleable gypsum from anhydrite waste/ by-product	
23	SSP 1478	Project Assistant – II (PA-II)	01	B.Sc. in Chemistry	Systematic Evaluation of GCV, Ash and Moisture Characteristics in Coal for reliable Quality assessment	
24	GAP0308	Project Associate - II (PAT-II)	01	M.Sc. in Chemistry/ Material Science with 2 years experience Or M.Tech in Chemical Engineering/ Metallurgy	Science Technology and Innovation (STI) Hub in village Gamharia, Saraikela Kharsawan block, West Singhbhum, Jharkhand.	
25	MMP 085203/2	Project Assistant – II (PA-II)	02	B.Sc. in Chemistry Or Diploma in Metallurgical Engineering	(c-SEAS) Zero water process for solar panel recycling	
26	MMP 085203/2	Project Associate - I (PAT-I)	01	M.Sc. in Chemistry Or B.E/B.Tech. in Metallurgical or Chemical Engineering	(c-SEAS) Zero water process for solar panel recycling	

27	SSP 1452	Project Assistant-II (PA-II)	01	B.Sc. in Geology	Assessment of coking coal quality with respect to active component present in coking coal	Group D (04.12.2025)
28	SSP 1478	Project Associate - I (PAT-I)	01	M.Sc. in Geology	Systematic Evaluation of GCV, Ash and Moisture Characteristics in Coal for reliable Quality assessment	
29	MMP015203	Project Scientist – I (PS-I)	01	M.Tech. in Mechanical /Metallurgical / Materials and Metallurgical / Metallurgical and Materials Engineering And 4 years of experience in Research and Development in Industrial and Academic Institutions or Science and Technology Organisations and Scientific Activities and services	Process optimisation and predictive model development using AI for Steels	Group E (04.12.2025)
30	HCP-048	Project Assistant-II (PA-II)	01	Diploma in Mechanical Engineering	CO2 Capture (CC) by Amine Absorption Process with Sequestration by Modified Mineral Carbonation (MC) and Recovery of Marketable Products and Waste Heat (WH)- A Holistic Technology Development Approach	
31	GAP0305	Project Associate-I (PAT-I)	01	B.Tech in (Mechanical/ Metallurgical/ Material science) Or M.Sc. in (Physics/Chemistry/ Material Science)	Centre for Excellence in wear and corrosion resistant coatings technology	
32	MMP015203	Project Associate - II (PAT-II)	02	M.Tech. in Mechanical /Metallurgical / Materials and Metallurgical / Metallurgical and Materials Engineering	Process optimisation and predictive model development using AI for Steels	
33	MMP 085203/2	Project Assistant-II (PA-II)	01	Diploma in Mechanical Engineering or Chemical Engineering	(c-SEAS) Zero water process for solar panel recycling	

34	MMP085202WP2	Project Assistant-II (PA-II)	01	B.Sc. in Chemistry Or Diploma in Chemical/Metallurgical Engineering	Development of process for the recovery of selenium as metal/ oxide and tellurium as metal form copper anode slime.	Group F (04.12.2025)
35	MMP085202WP2	Project Associate-I (PAT-I)	01	M.Sc. in Chemistry Or B.Tech in Chemical/ Metallurgical Engineering	Development of process for the recovery of selenium as metal/ oxide and tellurium as metal form copper anode slime.	
36	SSP-1467	Project Associate-I (PAT-I)	01	B.E./B.Tech in Metallurgical Engineering or Materials Engineering	AC magnetization Studies on Cold-rolled non-oriented Silicon steels as per IS-649 standards Phase-II	
37	GAP 0325	Project Associate-1 (PAT-I)	01	B.E./B.Tech in Metallurgical/ Materials/ Mechanical Engineering. Or M.Sc. in Physics/ Chemistry	Development of brazing filler alloys for joining of high strength alloys	
38	FIR040302	Project Associate-1 (PAT-I)	01	B.Tech. in Metallurgy/ Materials Science	Development of self-healing geo polymer composites	
39	GAP-0305	Project Associate-I (PAT-I)	03	BE/B.Tech in Metallurgical Engineering / Metallurgical and Materials Engineering/ Materials and Metallurgical Engineering/Mechanical Engineering/Material Science	Centre for Excellence in Wear and Corrosive Resistance Coating Technology	
40	GAP-0305	Project Associate-I PAT-1	01	B.Tech in Metallurgy/Chemical /Mechanical Engineering Or M.Sc. in Chemistry	Centre for Excellence in Wear and Corrosion resistant coatings Technology	
41	HCP002502	Project Assistant-II (PA-II)	01	Diploma in Electronics or Equivalent	CSIR-Integrated Skill Initiative Phase III	Group-G (05.12.2025)
42	FTT040507	Project Associate-I (PAT-I)	01	BE/ B.Tech in Electronics or Electrical or Electrical and Electronics or Electronics and Instrumentation Engineering.	Low temperature Co-fired Ceramic (LTCC) based eddy current sensor for real-time health monitoring for power plant components	

43	CLP	Project Associate-I (PAT-I)	01	B. Tech in Computer Science/ Electronics/ Mechanical Engineering	Real-time- intelligent Iron Ore Composition Analyser	Group-H (05.12.2025)
44	MMP015203	Project Associate-II (PAT-II)	01	BE/B.Tech in Computer Science/IT/Electronics /Electrical / Electrical and Electronics Engineering.& 2 years experience	Process optimisation and predictive model development using AI for Steels	
45	NCP010302	Project Associate-I (PAT-I)	01	BE/B.Tech in Computer Science/IT/Electronics /Electrical / Electrical and Electronics Engineering.	Ultra-precise on-machine metrology (OMM) system for optical fabrication of freeform optics	
46	SSP 1477	Project Assistant-II (PA-II)	01	Diploma in Computer Engineering	Development of Metallurgical base CRMS	

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.
Project Associate-I(PAT-I)	25,000/- + HRA 31000/- + HRA *	35	*candidates who have qualified National Eligibility Tests- CSIR_UGC/ICAR/ICMR NET including lectureship “(Assistant Professorship)”or GATE Or, Selected through National level examinations conducted by Central Government Departments like
Project Associate-II (PAT-II)	28,000/- + HRA 35,000/- + HRA *	35	
Project Scientist-I	56,000/- + HRA	35	Criteria as per CSIR norms.

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/ Instt. 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 relax able 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. The Government strives to have a workforce that reflects gender balance, and women candidates are encouraged to apply.
7. 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.
8. 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 Wald-in-Interview/ Test itself. No other mode of application will be entertained.
9. 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.
10. 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.
11. 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.
12. 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.
13. No TA/DA will be paid to the candidates for attending the Walk-in-Interview/test.
14. 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 03.12.2025 (Wednesday), 04.12.2025 (Thursday) and 05.12.2025 (Friday) (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 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



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Annexure-I



Application for Advt. No: T/PS/04/2025

1.	Post Applied for- (PA-I/PA-II/PAT-I/PAT-II/Project Scientist-I)					
2.	Group: Project No:					
1.	Name in full (Block Letter)		Please affix latest Self Attested passport size colour photograph			
2.	Father's/ Mother's Name					
3.	Date of Birth (Age as on Walk-in-Interview)					
4.	Nationality					
5.	Religion					
6.	Category (SC/ST/OBC/PwBD/EWS/ UR)					
7.	Physically Handicapped (if yes) (VH/HH/OH)					
8.	Correspondence Address					
9.	Permanent Address					
10.	E-mail Id					
11.	Phone/Mobile No.					
12.	Aadhar No.					
13.	Educational Qualification (in chronological order from 10 th standard onwards.)					
Sl. No.	Exam Passed	University/Institution /Board	Year of Passing	Subjects	Marks (%)	Division/ Class

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

15. Details of work experience (if any):

Institution	Designation	Salary (p.m)	From	To

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

CSIR Lab/Division/Section	Position	Duration	
		From	To

14. 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.

Date:

(Signature of Candidate)

Place:

Enclosures (Self Attested Photocopies):

- 1.
- 2.
- 3.
- 4.
- 5.