



Home /span> ▶ HR & Training ▶ Recruitment

About NML

Director's Desk

Events

HR & Training

Resources

Tender

Research Areas

- ◆ Mineral Processing
- ◆ Extractive Metallurgy
- ◆ Surface Engineering
- ◆ Applied & Analytical Chemistry
- ◆ Materials Engineering
- ◆ Materials Evaluation
- ◆ Energy & Environment

R&D Services

- ◆ Consultancy
- ◆ Testing and Analysis
- ◆ Calibration
- ◆ Certified Reference Materials
- ◆ Technologies Offer
- ◆ Customer Services

Infrastructure/Facilities

- ◆ Analytical/Characterization
- ◆ Pilot Plant

Quick Links

- ◆ NML Madras Centre
- ◆ Major Projects
- ◆ Programmes
- ◆ Knowledge Resource Centre
- ◆ Knowledge Networking

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CSIR-National Metallurgical Laboratory (NML), a constituent Laboratory of the **Council of Scientific & Industrial Research (CSIR)** is a R&D organization dedicated to metallurgical and materials engineering research. Its domain of operations encompasses raw materials processing, new strategies for metal extraction, metallurgical wastes and lean resources utilization, energy, sustainability and environmental issues of metallurgical processing, innovation interventions for rural and artisanal materials technology, advanced alloys and materials development, metal forming and formability, corrosion and surface engineering, materials mechanics, materials and process modelling, microstructural engineering, non-destructive evaluation, structural integrity assessment etc. With its modern and extensive infrastructure and the large spectrum of expertise of its Scientific and Technical manpower, CSIR-NML is primarily engaged in industrially significant research pursuits and demonstration of high quality science.

To augment and strengthen its research activities in the areas of advanced alloys development, metal forming and formability, materials mechanics, microstructural engineering, materials modelling, corrosion inhibition, mineral engineering and extractive metallurgy, CSIR-NML intends to recruit persons with exposure to quality research and high degree of motivation at scientific positions of the Laboratory.

The profiles of candidates being sought by CSIR-NML and a description of the research requirements for the various posts are as follows:

Postcode	Reservation	Pay Band	Profile / Job requirements
01	UR	PB-4	Metallurgical Engineering graduate, with MTech and PhD from top-class university. High impact publications and at least 3 years post-doctoral research experience in relevant areas. Documented research in more than one of the following areas: alloy development, amorphous steel, metal matrix composites, surface engineering, hard coatings. Acumen in electron microscopy, material selection, microstructural visualisation, finite element modelling, thermo-mechanical processing. Ability to initiate research and lead teams for goal-directed output.
02	UR	PB-3	Metallurgical Engineering graduate, with MTech and PhD from top-class university. At least 1 year post-doctoral research experience in relevant areas desirable. Documented research in one or more of: deformation analysis and modelling, crystal plasticity, microstructural engineering. Acumen in microstructural characterization, finite element modelling, digital image correlation, operating thermo-mechanical processing systems. Ability to integrate and work in a team for fast-pace research output.
03	UR	PB-3	Metallurgical or Mechanical engineer with MTech and PhD from top-class university. At least 1 year post-doctoral relevant research experience desirable. Documented research in advanced welding systems. Acumen in finite element modelling, engineering design analysis and failure analysis. Ability to integrate and work in a team for fast-pace research output.
04	UR	PB-3	PhD in Chemistry or Materials Science with at least 2 years post-doctoral research experience leading to high impact scientific publications. Demonstrated research in surface chemistry and corrosion inhibition. Ability to accept challenges and participate in motivated research.
05	OBC	PB-3	Mechanical or Metallurgical Engineering graduate, with MTech and PhD from top-class university. Industrially relevant research on metal forming, continuum plasticity and deformation modelling. Acumen in modelling and simulation software, finite element method and operation of formability equipment. Ability to initiate research, interact with industry and lead teams.
06	SC	PB-3	Metallurgical or Mineral Engineering graduate with MTech and PhD from top-class university. Documented research in one of the following areas: raw material processing, mineral beneficiation and agglomeration. Ability to initiate research, interact with industry and integrate and work in a team.
07	OBC (Backlog vacancy)	PB-3	Metallurgical or Chemical Engineering graduate with MTech and PhD from top-class university. Documented research in one of the following areas: extractive metallurgy: pyrometallurgy, hydrometallurgy, electrometallurgy and solvent extraction. Experience in operating equipments and instruments in research area. Ability to interact with industry and integrate and work in a team.

Applications from bonafide Indian nationals are solicited for the above requirements. Applications must be made specifically to the Postcodes listed above.

Details (Pay Scale, Grade Pays, Designation, minimum Qualifications and Experience requirements, Age limit and approximate minimum Gross Salary per month including HRA and other allowances) of the Pay Bands to which the above Postcodes have been assigned, together with information on the overall reservation status in this advertisement in respect of the Pay Bands, are given below.

Pay Band	No. of Posts (Reservation)	Pay Scale	Grade Pay	Designation	Minimum Qualifications	Minimum Experience	Age limit	Indicative Gross salary
PB-3	05+01 (3 UR+1 OBC+1 SC)	Rs. 15600 - 20100	Rs. 7600	Senior Scientist	PhD (Engineering)	3 years	37 years	Rs 59684

National Metallurgical Laboratory - Recruitment

	SC +1 OBC Backlog)	ST/OBC	Scientist	PND (Science)		years	years	
				MTEch	3 years			
PB-4	01 (UR)	Rs. 37400- 67000	Rs. 8700	Principal Scientist	PhD (Engineering)	3 years	45 years	Rs 93269
			Rs. 8900	Senior Principal Scientist	PhD (Engineering)	6 years	50 years	Rs 99339

It may be noted that one of the posts from the five current vacancies in PB-3 is earmarked for persons with disability (orthopedically handicapped, not under cerebral palsy) as a carried forward share.

Selected candidates will be placed in any of the Grade Pays and Designations in the Pay Band for the Postcode applied for as per their expertise and performance, subject to meeting the minimum eligibility criteria of qualification and experience.

Procedure of application

1. Application form can be downloaded from CSIR-NML's website www.nmlindia.org until 15:00 hrs of the last date of receiving applications.
2. Applications complete in all respects, supported by attested copies of certificates of educational qualifications, mark sheets, experience certificates, documentary proof in support of date of birth, community/category certificate (SC/ST/OBC/PWD etc.) along with crossed Demand Draft of Rs.100/-, valid for at least six months, drawn in favour of the Director, National Metallurgical Laboratory, Jamshedpur 831007, payable at State Bank of India, NML Branch, Jamshedpur should be sent to the Controller of Administration, CSIR-National Metallurgical Laboratory, Jamshedpur 831007, so as to reach on or before **24 April 2013**. The Advertisement Number and Post Code must be clearly indicated on the top of the envelope containing the application. Candidates belonging to SC/ST/PWD categories, women candidates and departmental candidates (from CSIR Laboratories /Institutes) need not pay any application fee.
3. The candidates must also send a soft-copy of the synopsis page available at the website stated above, duly filled in all respects, by e-mail to hrq@admn.nml.in before the stipulated last date of receipt of application.

Terms and conditions:

- Total number of posts may vary. Not all posts need to be filled if suitable candidates are not found.
- One application may refer to one Postcode only. Separate applications must be made if a candidate desires to apply for more than one Postcode.
- The posts carry usual allowances as admissible under the Central Government Rules as applicable to the CSIR. Higher initial pay (i.e. additional increments) may be considered for meritorious candidates.
- Incumbents in PB-3 and PB-4 are entitled to 2 additional increments (without DA). Professional Update Allowance of Rs.10000/-for PB-3 and Rs.20000/- for PB-4 are also admissible.
- The candidates selected will be governed by the provisions of the New Pension Scheme as introduced by the Govt. of India w.e.f. 01-01-2004 to the extent made applicable by CSIR to its employees.
- Applications from candidates working in Government departments, public sectors, autonomous organisations and Government funded research agencies will be considered only if forwarded through proper channel and with no objection certificate that the applicant will be relieved within one month of receipt of the appointment order. However, advance copy of the application may be submitted before the closing date and no objection certificate may be submitted at the time of interview. Applications routed through proper channel should reach at the earliest.
- Only those candidates who are eligible and who suit the institutional requirements, short-listed based on screening criteria, will be called for interviews. Mere fulfilment of the minimum prescribed qualifications and experience does not entitle a candidate for being called for interview. Candidates should therefore provide in their applications all qualification and experience details, over and above what is prescribed as minimum, supported with documents, if applicable.
- The decision of CSIR-NML in all matters relating to the eligibility, acceptance or rejection of applications, mode of selection, conduct of examinations/interviews will be final and binding on the candidates and no enquiry or correspondence will be entertained in this connection from any individual or his/her agency.
- Relaxation in age limit, maximum up to 5 years for SC/ST and 3 years for OBC, will be admissible to candidates who apply for the postcodes earmarked for the respective reservation category. Relaxation in age for Ex-service man and other entitled categories of candidates shall be admissible as per Govt. of India/CSIR rules. Relaxation in age limit up to 5 years may be allowed to Council/ Government/ Autonomous Bodies/ Public Sector employees in accordance with the instructions and orders issued by the Government of India/CSIR from time to time in this regard. Relaxation in the upper age limit will be admissible to the residents of the state of Jammu & Kashmir in accordance with the "Residents of the State of J&K (relaxation of upper age limit for recruitment to Central Civil Services and posts) 1977" and amendments made thereto. Relaxation in upper age limit for Persons with Disability (PWD) will be admissible up to 5 years. However, for PWD candidates belonging to SC/ST/OBC categories, it will be over and above the relaxation admissible to the respective categories. Special age relaxation of up to the age of 40 years is admissible in the case of Widows, Divorced Women and Women Judicially Separated from their husbands, who are not remarried.
- SC/ST/OBC/PWD candidates are required to produce certificate in prescribed format signed by competent authority at the time of interviews. OBC candidates are required to produce recent certificate valid for appointment to posts under the Central Government.
- Relaxation in age limit, qualification and/or experience may be allowed by the competent authority in case sufficient numbers of candidates possessing requisite qualification and/or experience are not likely to be available to fill up the posts.
- The period of experience wherever prescribed should be in the relevant discipline/area of work and it shall be counted with effect from the date of acquiring the prescribed essential educational/professional qualifications required for the posts. Completion of PhD degree will be deemed to have taken place from the date of issue of provisional certificate / notification.
- The date for determining the age limit/experience/qualifications shall be the closing date prescribed for receipt of application.
- Travelling allowance by second class by shortest route will be paid to the candidates called for interview from the place of residence or from the actual departing station to the place of interview whichever is nearer, limited to travel within India.
- Candidates staying and applying from abroad may opt for consideration for selection in absentia through a written request.

· Canvassing in any form and/or bringing in any influence, political or otherwise, will be treated as disqualification for the post.

· CSIR-NML strives to have a workforce that reflects gender balance and women candidates are encouraged to apply.

Controller of Administration

[Download Application Form](#) | [Synopsis](#)