



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 and 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, extractive metallurgy and project engineering, CSIR-NML intends to recruit persons with enthusiasm for quality research and high degree of motivation at scientific positions of the Laboratory.

Online Applications from bonafide Indian nationals are solicited for the following Scientific positions for the above requirements. Online Applications must be made Postcode-wise. Separate Online Applications must be made for each Post code.

Details (Pay Band, Grade Pay, Designation, Essential Minimum Qualifications and Essential Minimum Experience, Upper Age limit and approximate Indicative monthly Gross Salary per month including HRA and other allowances) of the Pay Band to which the Postcodes have been assigned, together with information on the overall reservation status are given below.

Total No. of Posts & Reservation Status	Pay Band	Grade Pay	Designation	Essential Minimum Qualifications	Essential Minimum Experience	Upper Age limit	Indicative monthly Gross salary
08 (4 UR + 2 OBC + 1 SC) + Backlog (1 OBC)	Rs.15600 – 39100 (PB-3)	Rs. 6600	Scientist	M Tech	-	32 years	60638/-
				PhD in Science (Submitted)	-		
		Rs. 7600	Senior Scientist	Ph D (Engineering)	-	37 years	69975/-
				Ph D (Science)	2 years in relevant area		
		M Tech	3 years in relevant area				

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

Total Posts - 08 Posts {(UR-4, OBC- 2, SC-1) + backlog posts (OBC-1)}

Post Code	Post#	Reservation status	Essential Qualification	Desired Qualification	Planned Area of Work
1	Scientist	SC	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials Engineering 	<ul style="list-style-type: none"> B.E/ B.Tech in Metallurgical / Materials Engineering, with First Class or 60% on an aggregate or equivalent GPA* Research on or proven expertise in Creep degradations and high temperature deformation behaviour of materials 	Creep/ Mechanical behaviour of materials
	Senior Scientist		<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials Engineering WITH 3 years research or industrial experience in relevant areas OR Ph.D in Metallurgical / Materials Engineering 		
2	Scientist	UR	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials / Chemical Engineering 	<ul style="list-style-type: none"> B.E/ B.Tech in Metallurgical / Materials / Mineral/ Chemical Engineering , with First Class or 60% on an aggregate or equivalent GPA * Research on or proven expertise in Mechanochemistry and Mechanochemical Activation of solids OR Advanced Separation processes for minerals and metals 	Extractive Metallurgy
	Senior Scientist		<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials / Chemical Engineering with 3 years research or industrial experience in relevant areas OR Ph.D in Metallurgical / Materials Engineering 		
3	Scientist	OBC	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials Engineering 	<ul style="list-style-type: none"> B.E/ B.Tech in Metallurgical / Materials Engineering, with First Class or 60% on an aggregate or equivalent GPA * Research on or proven expertise in X-ray based characterization of metallic systems. 	Material Characterization
	Senior Scientist		<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials Engineering, with 3 years research or industrial experience in relevant areas OR Ph.D in Metallurgical / Materials Engineering 		
4	Scientist	UR	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials Engineering 	<ul style="list-style-type: none"> B.E/ B.Tech in Metallurgical / Materials Engineering, with First Class or 60% on an aggregate or equivalent GPA * Research on or proven expertise in Wear resistant steels 	Development of wear resistant steels
	Senior Scientist		<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials Engineering, with 3 years research or industrial experience in relevant areas OR Ph.D in Metallurgical / Materials Engg 		
5	Scientist	UR	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials Engineering 	<ul style="list-style-type: none"> B.Tech in Metallurgical / Materials Engineering / Chemical Engineering, with 	Non-ferrous extraction

	Senior Scientist		<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials Engineering, with 3 years research or industrial experience in relevant areas OR Ph.D in Metallurgical / Materials Engineering in relevant areas 	First Class or 60% on an aggregate or equivalent GPA * <ul style="list-style-type: none"> Research on or proven expertise in Mass Transfer and Process kinetics for hydrometallurgical processes 	
6	Scientist	OBC	<ul style="list-style-type: none"> M.E./M.Tech in Metallurgical / Materials / Mineral /Chemical Engineering OR Ph.D. in Geology/ Applied Geology (submitted) in relevant areas 	<ul style="list-style-type: none"> B.E./B.Tech. in Metallurgical / Materials / Mineral / Chemical Engineering with First Class or 60% on an aggregate or equivalent GPA* OR M.Sc. Geology/ Applied Geology with First Class or 60% on an aggregate or equivalent GPA *. Research on or proven expertise on Characterisation/ Processing of ores & mineral/ coals 	Characterization / Processing of Minerals / Coal
	Senior Scientist		<ul style="list-style-type: none"> M.E./M.Tech in Metallurgical / Materials / Mineral / Chemical Engineering with 3 years research or industrial experience in relevant areas OR Ph.D. in Metallurgical / Materials /Mineral / Chemical Engineering/ Mineral Processing OR Ph.D. in Geology/ Applied Geology with 2 years research/industrial experience in relevant areas 		
7	Scientist	UR	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials / Mechanical / Welding Engineering 	<ul style="list-style-type: none"> B.E/ B.Tech in Metallurgical / Materials / Mechanical / Welding Engineering, with First Class or 60% on an aggregate or equivalent GPA * Research on or proven expertise in Thermo-mechanical Processing OR Welding 	Metals Forming/ Welding
	Senior Scientist		<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials / Mechanical/ Welding Engineering, with 3 years research or industrial experience in relevant areas OR Ph.D in Metallurgical/ Materials / Mechanical/ Welding Engineering 		
8	Scientist	OBC	<ul style="list-style-type: none"> M.E./ M.Tech in Mechanical / Industrial Engineering 	<ul style="list-style-type: none"> B.E./ B.Tech in Mechanical / Industrial Engineering, with First Class or 60% on an aggregate or equivalent GPA * Experience in Project planning /project engineering / System Design / Metallurgical plant operation 	Project Engineering activities related to pilot plants
	Senior Scientist		<ul style="list-style-type: none"> M. E/ M.Tech in Mechanical / Industrial Engineering, with 3 years research or industrial experience in relevant area OR PhD in Mechanical /Industrial Engineering 		

- Post#**-Selected candidates will be placed in any of the Grade Pay and Designation in the Pay Band-3 for the Postcode applied for as per their performance, subject to meeting the minimum eligibility criteria of qualification and experience.

Procedure for Online application:

- Only **ONLINE APPLICATIONS** will be accepted. The link for ONLINE APPLICATION will be available on CSIR-NML's website www.nmlindia.org from **09:00 Hrs of 15-11-2016 to 17:00 Hrs of the 14-12-2016**.
- After submission of their ONLINE APPLICATION, Applicants are requested to take a printout.
- The printout of ONLINE APPLICATION duly signed, along with self-attested copies of certificates of educational qualifications, mark sheets, experience certificates, Re-print of publications, documentary proof in support of date of birth, community/category certificate (SC/ST/OBC/PWD etc.), if applicable, and **applicable fee of Rs. 100.00 in the form of Demand Draft** favouring **THE DIRECTOR, CSIR-NML, Jamshedpur** payable at **State Bank of India, NML Branch, Branch Code- 03329, Jamshedpur** should be sent to **The Controller of Administration, CSIR-National Metallurgical Laboratory, Burmamines, Jamshedpur 831007 Jharkhand**, so as to reach on or before **30-12-2016**. 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.
- (i) 'Candidate's Name (ii) Application number and (iii) 'Post Code Applied for' must be filled up on the back side of Demand Draft.**
- Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any count nor can it be held in reserve for any other recruitment of selection process.

Terms and conditions:

- Total number of posts may vary. Not all posts need to be filled if suitable candidates are not found.
- One Online Application may refer to one Postcode only. Separate Online Application must be made if a candidate desires to apply for more than one Postcode.
- The posts carry usual allowances such as Dearness Allowance (DA), Transport Allowance, HRA (House Rent Allowance) in the event of unavailability of council accommodation etc. as per entitlement 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/PB-4 are entitled to 2 additional increments (without DA). Professional Update Allowance of Rs.10000/- for PB-3 is 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.
- Online 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 interview. 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.
- Selected candidates will be placed in any of the Grade Pay and Designation in the Pay Band-3 for the Postcode applied for as per their performance, subject to meeting the minimum eligibility criteria of qualification and experience.
- 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 upper age limit for Persons with Disability (PWD) will be admissible up to 10 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 up to the age of 35 years (up to 40 years for members of SC/ST and up to 38 years for members belonging to OBC category candidates in respect of the posts reserved for them) is admissible in the case of Widows, Divorced Women and Women Judicially Separated from their husbands, who are not remarried, subject to production of following documentary evidence (s):
 - (i) In case of widow, death certificate of her husband with the affidavit that she has not remarried since ;
 - (ii) In case of divorced woman and woman judicially separated from their husband, a certified copy of the judgement/decree of the appropriate court to prove the fact of divorce or judicial separation, as the case may be, with an affidavit in respect of divorced woman that she has not remarried since.
- 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.
- 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.
- While giving the periodicity, nature of experience and Research papers, the details should be given in exhaustive manner in a separate sheet.
- The date for determining the age limit/experience/qualifications shall be the closing date prescribed for receipt of Online 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.
- Incomplete applications (i.e. without photograph, signature, application fee and essential certificates/testimonials etc. in support of educational qualifications and experience) will not be entertained and will be summarily rejected.
- 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.
- **General information / instructions for online application are given at our website www.nmlindia.org.**
- **Applicants/candidates are requested to keep on visiting our website, i.e. www.nmlindia.org for any further information/update.**

Controller of Administration