



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
11 (4UR+1OBC+2ST+2PWD*) + Backlog (2 OBC)	Rs.15600 – 39100 (PB-3)	Rs. 6600	Scientist	M Tech	-	32 years	Rs. 53,995/- approx.
				PhD (Submitted)	-		
		Rs. 7600	Senior Scientist	Ph D (Engineering)	-	37 years	Rs. 62,835/- approx.
				Ph D (Science)	2 years in relevant area		
		M Tech	3 years in relevant area				
1 UR	37400- 67000 (PB-4)	Rs. 8700	Principal Scientist	Ph D	3 years in relevant area	45 Years	Rs. 98,193/- approx.

NB: PWD* - Person with disability (orthopedically handicapped, not under cerebral palsy).

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 - 11 Posts (UR-4, OBC- 1, ST-2, PWD-2) + backlog posts (OBC-2) in PB-3 and One UR Post in PB-4

Post Code	Post#	Pay Band	Reservation status	Essential Qualification & Experience	Desired Experience	Planned Area of Work
S-01 (One Position)	Scientist	PB-3	UR	• M.E./M.Tech in Metallurgical/ Materials/ Mechanical Engineering	• B.E/ B.Tech in Metallurgical / Materials / Mechanical Engineering, with First Class • Research on or proven expertise in Thermo mechanical processing	Development of Flat Products
	Senior Scientist	PB-3	UR	• M.E./M.Tech in Metallurgical/ Materials/ Mechanical Engineering, with 3 years research or industrial experience in relevant areas OR • PhD in Metallurgical / Materials Engineering		
S-02 (One Position)	Scientist	PB-3	UR	• M.E./M.Tech in Metallurgical / Materials/ Mechanical Engineering	• B.E/ B.Tech in Metallurgical / Materials / Mechanical Engineering, with First Class • Research on or proven expertise in Melting & Solidification of alloys, Electrical steel making	Electrical steel development
	Senior Scientist	PB-3	UR	• M.E./M.Tech in Metallurgical / Materials / Mechanical Engineering with 3 years research or industrial experience in relevant areas OR • PhD in Metallurgical / Materials Engineering		
S-03 (One Position)	Scientist	PB-3	UR	• M.E./M.Tech in Metallurgical / Materials / Mechanical Engineering	• B.E/ B.Tech in Metallurgical / Materials / Mechanical Engineering, with First Class • Research on or proven expertise in alloy design, Steel development, tribology	Wear resistant steels
	Senior Scientist	PB-3	UR	• M.E./ M.Tech in Metallurgical / Materials / Mechanical Engineering, with 3 years research or industrial experience in relevant areas OR • PhD in Metallurgical / Materials/ Mechanical Engineering		

S-04 (One Position)	Scientist	PB-03	OBC	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials Engineering <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> PhD in Materials Science(Submitted) 	<ul style="list-style-type: none"> B.E/ B.Tech in Metallurgical / Materials / Mechanical Engineering, with First Class Research on or proven expertise in Magnetic Materials 	Magnetic materials development
	Senior Scientist	PB-03	OBC	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials / Mechanical Engineering, with 3 years research or industrial experience in relevant area <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> PhD in Materials Science with 2 years of experience in the relevant area 		
				<ul style="list-style-type: none"> PhD in Metallurgical / Materials Engineering 		
S-05 (One Position)	Scientist	PB-3	ST	<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 / Chemical Engineering, with First Class Research on or proven expertise in Metals Extraction 	Metals Extraction
	Senior Scientist	PB-3	ST	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical / Materials / Chemical Engineering, with 3 years research or industrial experience in relevant area <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> PhD in Metallurgical / Materials / Chemical Engineering 		
S-06 (One Position)	Scientist	PB-03	ST	<ul style="list-style-type: none"> M.E./ M.Tech in Mineral / Chemical / Metallurgical / Materials Engineering 	<ul style="list-style-type: none"> B.E./B.Tech in Mineral / Chemical / Metallurgical /Materials Engineering, with First Class Research on or proven expertise in Mineral Processing or Mineral Beneficiation 	Mineral processing
	Senior Scientist	PB-03	ST	<ul style="list-style-type: none"> M.E./ M.Tech in Mineral / Chemical / Metallurgical /Materials Engineering with 3 years relevant research or industrial experience <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> PhD in Mineral Engineering or Chemical Engineering or Metallurgical or Materials Engineering 		
S-07 (One Position)	Scientist	PB-3	UR	<ul style="list-style-type: none"> M.E/ M.Tech in Metallurgical / Materials / Corrosion Engineering or Corrosion Sciences or Materials Science <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> PhD (Submitted) in Chemistry/ Electrochemistry [Dissertation in the area of Aqueous Corrosion] 	Research on or proven expertise in Aqueous Corrosion	Corrosion Evaluation and Protection
				Senior Scientist		
	<ul style="list-style-type: none"> PhD in Chemistry/Electrochemistry [Dissertation in the area of Aqueous Corrosion] with relevant research or industrial experience of 2 years 					
S-08 (Two Positions)	Scientist	PB-3	PWD	<ul style="list-style-type: none"> M.E./ M.Tech in Metallurgical/ Materials/Mineral/Mechanical/Chemical Engineering <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> PhD (Submitted) in Chemistry/Materials Science 	<ul style="list-style-type: none"> B.E/ B.Tech in Metallurgical/Materials/Mineral/Mechanical/Chemical Engineering Research on or proven experience in any of the areas of metallurgical engineering/materials science/analytical chemistry 	
				Senior Scientist		
	<ul style="list-style-type: none"> PhD in Chemistry/Materials Science with 2 years of relevant experience 					
S-09 (One Position)	Scientist	PB-3	OBC	<ul style="list-style-type: none"> M.E./ M.Tech in Electrical/ Electronics/ Instrumentation Engineering 	<ul style="list-style-type: none"> B.E./ B.Tech in Electrical/ Electronics/ Instrumentation Engineering, with First Class Experience in project planning or project engineering or System Design or metallurgical plant operations 	Project Engineering activities related to pilot plants
	Senior Scientist	PB-3	OBC	<ul style="list-style-type: none"> M.E./ M.Tech in Electrical/ Electronics/ Instrumentation Engineering, with 3 years research or industrial experience in relevant areas <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> PhD in Electrical/ Electronics/ Instrumentation Engineering 		

S-10 (One Position)	Scientist	PB-3	OBC	<ul style="list-style-type: none"> M.E./ M.Tech in Mechanical Engineering or Industrial Engineering 	<ul style="list-style-type: none"> B.E./ B.Tech in Mechanical Engineering or Industrial Engineering, with First Class Experience in project planning or project engineering or System Design or metallurgical plant operations 	Project Engineering activities related to pilot plants
	Senior Scientist	PB-3	OBC	<ul style="list-style-type: none"> M. E/ M.Tech in Mechanical Engineering or Industrial Engineering, with 3 years research or industrial experience in relevant area <p style="text-align: center;">OR</p> <ul style="list-style-type: none"> PhD in Mechanical Engineering or Industrial Engineering 		
S-11 (One Position)	Principal Scientist	PB-4	UR	<ul style="list-style-type: none"> PhD in Metallurgical/ Materials Engineering with 3 years research or industrial experience in relevant area after PhD 	<ul style="list-style-type: none"> B.E./ B.Tech in Metallurgical/ Materials Engineering, with First Class M.E./M.Tech in Metallurgical/Materials Engineering Research on or proven expertise in Design & Development of Advanced Steels , Thermo mechanical Processing of steels 	Advanced Steels development Primarily CRGO steels

- **Post#**-Selected candidates will be placed in any of the Grade Pay and Designation in the Pay Band-3 and Pay Band-4 for the Postcode applied for as per their performance, subject to meeting the minimum eligibility criteria of qualification and experience.

Procedure for Online application:

1. 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 14-10-2015 to 17:00 Hrs of the 13-11-2015**.
2. After submission of their ONLINE APPLICATION, Applicants are requested to take a printout.
3. 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, Burmahines, Jamshedpur 831007**, so as to reach on or before 23-11-2015. 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.
4. (i) 'Candidate's Name (ii) Application number and (iii) 'Post Code Applied for' must be filled up on the back side of Demand Draft.
5. 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 and Rs. 20000/- for PB-4, 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 and Pay Band-4 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/decreed 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.
- 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.
- 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