

**NATIONAL METALLURGICAL LABORATORY**  
**(Council of Scientific & Industrial Research)**  
**Jamshedpur 831 007**

**Advertisement No. 2/96**

National Metallurgical Laboratory (NML) is a constituent of the Council of Scientific & Industrial Research which is a premier body established to undertake Scientific & Industrial Research. NML is a leading R&D Organization engaged in a spectrum of time bound projects of industrial importance and active research relating to mineral beneficiation, extraction of metals and their processing, environmental engineering, refractories, engineered materials developments, chemical analysis, corrosion protection and failure analysis of engineering components. The Laboratory has excellent infrastructure like information and computer services besides sophisticated instruments for carrying out advanced research. It provides very good opportunities for career growth of its employees. The Laboratory has regional centres at Ahmedabad, Batala, Calcutta, Digha and Madras to cater to the local needs.

The Laboratory intends to fill up several vacancies available at different levels with young intelligent and dynamic personnel willing to take up challenging jobs.

The following positions are available:

**1. SCIENTIST GR.IV(2): 5 Posts (General)**

Scale of pay: Rs 3000-100-3500-125-4500

Age: Not exceeding 35 years

*Qualification and experience*

*Essential:* 1st class M Sc (Chemistry/Physics/Industrial Chemistry/Materials Science/Geology) with not less than 65% marks or 1st class B E /B Tech or equivalent with not less than 65% marks and 4 years experience or M Tech (Chemical Engineering/Material Science /Mechanical/Metallurgy) with 2 years experience or Ph D (Engineering/Science) with one year experience.

*Desirable:* Proven experience of 4 years in the area of foundry, mechanical working, materials synthesis/material characterization, extraction of metals and corrosion protection and prevention.

*Job description:* The incumbents will lead/assist a team of scientists/technologists in different areas relating to special materials development, materials evaluation, non-destructive testing, refractories, iron and steel, etc.

**2. SCIENTIST GR.IV(1): 20 Posts (SC-3, ST-3, OBC-4, Gen.-10)**

Scale of pay: Rs 2200-75-2800-EB-100-4000)

Age: Not exceeding 35 years (40 years for SC/ST, 38 for OBC)

*Qualification and experience*

*Essential:* 1st class M Sc (Physics/Chemistry/Industrial Chemistry/Materials Science/Geology) or 1st

class B E or B Tech in Metallurgy/Chemical Engineering/Computer applications/Geology with not less than 65% marks or M E/M Tech in Materials Science/Metallurgy.

*Desirable:* Proven experience of about 2 years in the relevant disciplines like alloy development, physical characterization, microstructural analysis, mechanical testing, failure analysis, structural integrity analysis, non-destructive testing, foundry, environmental monitoring, mineral beneficiation, pyro and hydrometallurgy, refractories and ferrous process metallurgy, organometallic chemistry, systems analysis, information sciences, with high skill in operation and maintenance of sophisticated equipments for mechanical testing, X-ray and electron metallography, non-destructive testing, dilatometry, potentiometry spectroscopy, etc.

*Job description:* The incumbents will assist a team of scientists/technologists in various projects relating to one or more of the following: Mineral processing, extractive metallurgy, refractories, mechanical testing, materials characterization and processing, data processing. The job may require visits to industrial plant sites.

### **3. TECHNICAL OFFICER GR.III(4): 2 Posts (for OBC)**

Scale of pay: Rs 2200-75-2800-EB-100-4000

Age: Not exceeding 38 years

#### *Qualification and experience*

*Essential:* 1st class B Sc (Physics/Chemistry/Mathematics) with 8 years experience or M Sc (Physics/Mathematics/Electronics) or B E/ B Tech or equivalent qualification with 55% marks and 6 years experience.

*Desirable:* Proven experience of about 2 years in the maintenance of all kinds of electronic equipments, computers, electronic data processing, etc. with a bent of mind to look into trouble shooting problems, signal analysis. The job may also require visits to industrial plants for on the spot studies.

*Job description:* To assist in maintenance of equipment, electronic data processing.

### **4. TECHNICAL ASSISTANTS GR.III(1): 2 Posts (1 SC, 1 General)**

Scale of pay: Rs 1400-40-1800-EB-50-2300

Age: Not exceeding 28 years. For SC 33 years

#### *Qualification and experience*

*Essential:* B Sc (Physics/Chemistry/Mathematics)/ 1st class diploma in Instrumentation/Computer Applications.

*Desirable:* Experience of about 2 years in electronic data processing, metallography, maintenance of electronic equipments, computers, etc. with a bent of mind to solve operational problems in these equipments.

*Job description:* Maintenance of sophisticated electronic microprocessor based instruments of the laboratory like the creep testing equipments, electron microscopes, physical and structural characterization equipments, analytical equipments, etc.

### **5. MEDICAL OFFICER GR.III(4): 1 post (General)**

Scale of pay: Rs 2200-75-2800-EB-100-4000

Age: Not exceeding 35 years

#### *Qualification and experience*

*Essential:* 1st class MBBS or equivalent.

*Desirable:* Experience of about 2 years preferably in hospitals/dispensaries attached to industrial units.

*Job description:* The incumbent will render medical assistance to the staff and members of their families, be willing to work in the first aid/dispensaries located in the residential colonies and assist the Senior Medical Officer in improving the medical facilities.

#### **GENERAL CONDITIONS**

1. The number of posts advertised is only indicative.
2. Prescribed application forms may be obtained from the office of the Sr. Controller of Administration, National Metallurgical Laboratory, Jamshedpur 831 007 up to 22 July 1996 by sending a self-addressed stamped envelope (26 cm x 11 cm size) bearing postage stamp of Rs 2. Name of post may please be mentioned on the top of the envelope.
3. The application completed in all respects along with a recent passport size photograph pasted on the right hand corner on the top of the application, along with a crossed Demand Draft for Rs 25 drawn in favour of Director, National Metallurgical Laboratory, should reach the Director, NML, Jamshedpur, by 14 August 1996. Candidates applying for more posts than one should submit separate application along with prescribed application fee, etc.
4. Scheduled Caste/Scheduled Tribe candidates and departmental candidates of CSIR and its Lab./Inst. are exempted from the payment of application fees.
5. The maximum age prescribed shall be reckoned as on 14-08-96.
6. Appointment of Scientists will be on contract for a period of 6 (six) years in the first instance except for CSIR employees already declared permanent in lower posts. Contract is extendable upon satisfactory performance.
7. Applications from candidates working in Government Departments, Public Sector Undertakings and Autonomous Organizations will be considered only if forwarded through proper channel and with a no objection certificate that the applicant will be relieved within one month of receipt of the appointment order.
8. Mere fulfilling the minimum advertised requirements does not automatically entitle an applicant to be called for interview. The decisions of the screening committee will be final and binding in this matter.
9. Candidates called for interview/test will be paid 2nd class TA by the shortest route between Jamshedpur (Tatanagar railway station) and the actual place of journey or the place of address of correspondence mentioned in the application whichever is nearer.
10. Higher start of pay may be considered in case of exceptionally meritorious candidates.
11. The relaxation in age limit, qualification and/or experience may be allowed only in exceptionally meritorious candidates, with the prior approval of the competent authority.
12. Besides Head Quarters at Jamshedpur, candidates appointed may be posted anywhere in the NML field stations located at Ahmedabad, Batala, Howrah/Calcutta, Digha, Madras.
13. Applications incomplete in any respect or received after the due date are liable to be rejected.
14. In all matters relating to this advertisement and subsequent processing, the decision of the Director, National Metallurgical Laboratory, Jamshedpur will be final and binding.
15. Canvassing in any form and/or bringing in any influence, politicaly or otherwise, will be treated as disqualification for the post.
16. Interim inquiries will not be attended to.
17. All the posts carry usual allowances as admissible under the Central Govt Rules. Apart from that the post of Medical Officer carries a non-practising allowance of Rs 600/- per month.