

# NATIONAL METALLURGICAL LABORATORY

(Council of Scientific & Industrial Research)

Burmamines Post, Jamshedpur 831 007

## ADVERTISEMENT NO. 3/99

National Metallurgical Laboratory, a constituent of the Council of Scientific & Industrial Research, a premier body established to undertake Scientific and Industrial Research, is a leading R&D organization engaged in spectrum of time-bound projects of industrial importance and active research relating to mineral beneficiation, extraction of ferrous and non-ferrous metals and their processing, environmental engineering, refractories, chemical analysis, engineered materials development, corrosion protection, and failure analysis of engineering components. The laboratory is equipped with excellent infrastructural facilities like good information and management division, computer application division and electronics and instrumentation division besides having modern sophisticated instruments for carrying out the tasks, thus providing very good opportunities for the prospective candidates. The laboratory has also regional centres at Ahmedabad, Batala, Calcutta, Chennai, Digha and Howrah to cater to the regional needs. The laboratory has also dispensaries in the residential colonies and First Aid facilities at the main Building.

The laboratory is looking for filling up several vacancies in the following disciplines with suitable Indian citizens personnel with analytical mind and willing to take up challenging jobs.

### Disciplines

Analytical chemistry, Corrosion and Protection, Ferrous processing, Non-ferrous processing, Mineral processing, Materials characterization, Materials evaluation, Material processing, Information Management & Engineering.

### Scientist - Gr. IV(5) – 3 posts

(One post is for the Information and Business promotion unit at Jamshedpur, two posts are for Centres and Field Stations of the laboratory at Chennai and Ahmedabad).

*Scale of pay:* Rs 16,400–450–20,000

*Age:* Not exceeding 45 years (relaxable by 5 years for SC/ST and 3 years for OBC).

*Essential qualifications:* First class M.Sc./First class B.E. or recognized equivalent qualification with not less than 65% marks with a minimum of 13 years experience or M.Tech./M.E. with 11 years experience or Ph.D. in Science with 10 years/Ph.D. in Engineering with 9 years experience.

*Desirable qualification:* The candidates should possess consistently good academic record throughout with preferably M. Tech. or Ph.D. degree in Engineering/Science from well known academia and have a strong metallurgical background. The candidates should also have high class publications of their research in reputed journals/possess proof of having established metal/mineral-based industries/tackled trouble shooting problems in processing industries/transfer of technologies/preparation of feasibility reports/consultancy to metal-based industries/information management and dissemination/business promotion.

*Job description:* Job requires sound knowledge of metallurgical/mineral processing/corrosion/alloy development/information processing and related technological processes, identification of customers, excellent communication capability with customers, Marketing of Technologies developed by the laboratory, coordinating different activities in a research laboratory.

**Scientist - Gr. IV(2) – 4 posts**

*Scale of pay:* Rs 10,000–325–15,200.

*Age:* Not exceeding 35 years (relaxable by 5 years for SC/ST and 3 years for OBC).

*Essential qualification:* First class M.Sc./First class B.E. or equivalent qualification with not less than 65% marks with four years experience or M.Tech./M.E. with 2 years experience or Ph.D. Science with 1 year experience or Ph.D. Engineering.

*Desirable qualification:* Candidates should consistently have had high academic record and possess leadership qualities. Should have proven experience of a minimum of 4 years after Master/Engg. degree. Experience in the area of material science, refractories, mineral/ferrous/non-ferrous processing, waste utilization and pollution control will be preferred. Candidates with good metallurgical background will also be preferred.

*Job description:* Must be able to give leadership in research in different areas relating to modelling, material science & waste utilization.

**Scientist - Gr. IV(1) – 18 posts (SC-4, ST-1, OBC-4, Gen-9)**

*Scale of pay:* Rs 8000–275–13,500.

*Age:* Not exceeding 35 years (relaxable by 5 years for SC/ST and 3 years for OBC).

*Essential qualification:* First class M.Sc./First class B.E. or equivalent qualification with not less than 65% marks or M.Tech./M.E./Ph.D. Science.

*Desirable qualification:* Candidates should consistently have had high academic performance. They should also have proven experience of 4 years in case of Masters in Science and B.Tech. or equivalent in the relevant disciplines of the laboratory with high skill in operation and maintenance of sophisticated equipments. Being a metallurgical laboratory, candidates with metallurgical background will be given preference.

*Job description:* The job will involve handling of sophisticated equipments and supporting research activities to complete the projects in time. The candidates may have to work in any of the field stations of the laboratory as and when required.

**Technical Assistants - Gr. III(1) – 15 posts (SC-2, ST-1, OBC-4, Gen.-8)**

*Scale of pay:* Rs 4500–125–7000.

*Age:* Not exceeding 28 years (relaxable by 5 years for SC/ST and 3 years for OBC).

*Essential qualification:* First class B.Sc. in Science/First class B.Lib. Science or equivalent or First class Diploma in Engg./Tech. of 3 years full time duration or its equivalent or M.Com./MBA or equivalent with minimum of 55% marks with good communication skills.

*Desirable qualification:* Proven experience of 4 years in handling sophisticated NDT/electron microscope/XRD/analytical/mechanical/testing/characterization/machine shop equipments, library and documentation, offset and desktop printing computer software and system development.

Knowledge of costing and accounting systems, banking, budgeting for scientific and technological activities. If needed, the candidates may be required to visit industrial plant sites and carry out onsite inspection and testing.

*Job description:* Assisting in various activities related to R&D.

## General conditions

1. The number of posts advertised may vary.
2. All posts carry usual allowances as admissible to Central Govt. employees. Higher initial starting salary may be considered for exceptionally meritorious candidates.
3. Prescribed application forms may be obtained from the office of Sr. Controller and Administration, National Metallurgical Laboratory, Jamshedpur 831 007 up to **9 August 1999** by sending self-addressed stamped envelope (26 cm × 11 cm size) bearing a stamp of Rs 3/-. Name of the Post shall be mentioned on the top of the envelope.
4. The application completed in all respects with recent passport size photograph pasted in the appropriate place on the application form, along with application fee in the form of a crossed demand draft for Rs 25/- drawn in favour of Director, National Metallurgical Laboratory, Jamshedpur 831 007, should reach the Sr. Controller of Administration, NML, Jamshedpur 831 007 by **23 August 1999**. Candidates applying for more than one post should use separate application forms along with application fees.
5. Scheduled caste/Scheduled tribe candidates and departmental candidates of CSIR and its labs/institutes are exempted from the payment of application fee.
6. The cut off date for determining the age, qualification & experience of a candidate will be the last date of receipt of application, i.e. 23 August 1999.
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 no objection certificate that the applicant will be relieved within one month of receipt of the appointment order.
8. Only those candidates who in the opinion of the laboratory authorities suit the institutional requirements will be called for interview. Mere fulfilling the advertised requirements does not automatically entitle an applicant to be called for interview.
9. The decisions of the screening committee will be final and binding in this matter.
10. In case of Gr. IV(5), if the candidates are not found suitable they may be considered for a lower post.
11. Candidates called for interview/test will be paid 2nd class railway fare/bus fare by the shortest route between Jamshedpur and the actual place of journey or the place of address of correspondence mentioned in the application whichever is nearer.
12. Period of experience in the requisite discipline/area of work shall be counted with effect from the date of acquiring the prescribed minimum qualification.
13. The relaxation in age limit, qualification and/or experience may be allowed only in exceptional meritorious candidates with prior approval of competent authority.
14. Besides Head quarters at Jamshedpur, selected candidates may be posted to any of NML field stations located at Ahmedabad, Chennai, Howrah, Calcutta, Digha and Batala.
15. Applications incomplete in any respect or received after due date are liable to be rejected.
16. In all matters relating to this advertisement and subsequent processing, the decision of the Director, NML is final and binding.
17. Canvassing in any form and/or bringing any influence, political or otherwise, will be treated as disqualification for the post.

Interim enquiries will not be entertained.

Administrative Officer