

**NATIONAL CHEMICAL LABORATORY**  
**(Council of Scientific and Industrial Research)**  
**Dr. Homi Bhabha Road, Pune-411 008**

**ADVT. NO. 1/2010 (ABSTRACT)**

**APPLY ONLINE ON OR BEFORE 20.04.2010**

**(NCL website <http://www.ncl-india.org>)**

The National Chemical Laboratory is a premier research Institution under the Council of Scientific and Industrial Research, New Delhi, conducting research, development and consultancy services in Chemical and related Sciences. The current budget of NCL is about Rs. 100 crores, which is expected to double in the next five years. In order to meet the increasing demands of research in both basic and applied sciences, NCL invites applications from Indian Nationals for placement in the following scientific positions. The candidate should exhibit high degree of motivation and be self-driven with an ability to participate as well as provide leadership to several exciting programmes in interdisciplinary sciences.

We are looking for dynamic personnel for the following scientific positions.

<b>Sr.No</b>	<b>Details of the post &amp; Scale of pay</b>	<b>No. of post(s)</b>
<b>A. SCIENTIFIC POSITIONS</b>		
1.	Scientist in Group IV(3) Pay Band –3 (Rs.15600-39100 ) with Grade Pay Rs.7600.	11
1	Scientist in Group IV(2) Pay Band –3 (Rs.15600-39100 ) with Grade Pay Rs.6600.	01

For further details please visit NCL website <http://job.ncl.res.in> or refer the Employment News issue of 27<sup>th</sup> March 2010. Date of commencement of online application is 27.03.2010. Last date of receipt of online applications is 20.04.2010.

**Sd/-**  
**ADMINISTRATIVE OFFICER**

File No.NCL/C&P/Advt.1 /2010

**NATIONAL CHEMICAL LABORATORY  
(Council of Scientific and Industrial Research)  
Dr. Homi Bhabha Road, Pune-411 008**

**ADVT. NO. 1/2010**

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The National Chemical Laboratory is a premier research Institution under the Council of Scientific and Industrial Research, New Delhi, conducting research, development and consultancy services in Chemical and related Sciences. The current budget of NCL is about Rs. 100 crores, which is expected to double in the next five years. In order to meet the increasing demands of research in both basic and applied sciences, NCL invites applications from Indian Nationals for placement in the following scientific positions. The candidate should exhibit high degree of motivation and be self-driven with an ability to participate as well as provide leadership to several exciting programme in interdisciplinary sciences.

**To apply, the applicant must fill in the Electronic Application Form specifically designed for the purpose. Only applications received electronically followed by a hard copy thereof, will be entertained.**

Applicants are requested to carefully go through the full text of the advertisement on NCL website <http://job.ncl.res.in> regarding qualification, subjects, field of specialization, experience and job requirements etc. prescribed for each position and then fill up the Online Application Form carefully. Selection will be based on the details furnished in the Online Application Form. Should you face any difficulty in submission of online application, please be free to contact us at **recruit@ncl.res.in**

We are looking for young and dynamic personnel for the following scientific and technical positions:

Sr. No.	Details of the post	No. of post(s)	Scale of pay	Total emoluments* Approximately	Age limit
1.	Scientist in Group IV(3)	11	Pay Band –3 (Rs.15600-39100) with Grade Pay Rs.7600/-	Rs.49, 349/-	40 years
1	Scientist in Group IV(2)	01	Pay Band –3 (Rs.15600-39100) with Grade Pay Rs.6600/-	Rs 43,000/-	35 years

(\*) Total emoluments shown will be at the minimum of the scale of pay inclusive of all allowances.

Reservations for SC/ST/OBC are applicable to Scientific posts upto and including the lowest grade of Group 'A' services i.e. Pay Band –3 (Rs.15600-39100 ) with Grade Pay Rs.5400/- only.

The post-wise details are as under:

**SCIENTIST - GROUP IV(3) Pay Band –3 (Rs.15600-39100)with Grade Pay Rs.7600 (11 POSTS)**

**(1) CODE NO. 01:**

**- 1 Post**

**Qualification:** Ph.D in the field of Biochemical Engineering/Bioprocess Technology/Chemical Engineering from a reputed University/Institution with 04 years research experience.

**Experience:** The candidate should have research experience in areas such as systems biology, metabolic engineering and biochemical engineering as evidenced by publications in international peer reviewed journals.

**Job Requirements:** The selected candidate will be expected to carry out independent research in the area of High throughput (OMICS) microbiology, microbial physiology, metabolic engineering and biochemical engineering. The candidate should also be familiar with molecular biology i.e. cloning, expression, purification, characterization of recombinant microbial products.

**(2) CODE NO. 02:**

**- 1 Post**

**Qualifications:** Ist class B.E/B.Tech. in Chemical Engineering or recognized equivalent qualification with 07 years of research experience/industrial experience OR ME/M.Tech in Chemical Engineering with 05 years of research experience OR Ph.D.(Engg.) with 03 years of relevant experience.

**Experience:** The candidate should have a strong background and hands-on experience in mathematical modeling and analysis of fluid and powder flows and application of these principles to modeling of interfacial dynamics and chemical processes. Experience in investigation of such phenomena numerically using advanced computational fluid dynamics methods is also required. Experience in development of related computational methods is desirable.

**Job Requirements:** The selected candidate will be expected to carry out independent research in the area of mathematical modeling, analysis and scientific computing as applied to fluid and particle dynamics. This includes development of techniques and software to simulate complex flows, and pharmaceutical industries. Candidate is expected to collaborate with ongoing experimental research in the Polymer Science & Engineering, Chemical Engineering departments and contribute to the activities of the Center of Excellence in Scientific Computing.

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**(3) CODE NO. 03:**

**- 1 Post**

**Qualifications:** Ph.D in Chemistry from a reputed University/Institution with 04 years of research experience.

**Experience:** The candidate should have research experience in the areas of electroactive polymers, design, synthesis and properties of organic materials for field effect transistors, electro chromic devices and organic solar cells.

**Job Requirements:** The selected candidate will be expected to carry out independent research in the area of polymers and advanced materials with specific focus on electroactive and photoactive materials and applied electrochemistry

**(4) CODE NO. 04:**

**- 1 Post**

**Qualifications:** Ph.D. in Physics/Chemistry with 04 years of research experience from reputed institute/University.

**Experience:** The candidate should have demonstrated significant capabilities of pursuing independent theoretical research of high caliber in the area of statistical mechanics of soft condensed matter. This should be demonstrated by publications in international peer-reviewed journals of high repute. Additionally, the candidate should have some experience in guiding PhD students and should have demonstrated ability of teaching graduate level courses in statistical mechanics.

**Job Requirements:** The candidate is expected to set up a research group that will focus on the development and use of theoretical tools to advance fundamental understanding of the dynamics of soft matter. Towards this goal the candidate is expected to interact closely with the complex fluids group in NCL, which is engaged in experimental investigations on the structure, dynamics and rheology of soft condensed matter such as polymer solutions and melts, dense colloidal suspensions, soft glasses and granular materials. Additionally, the candidate is expected to collaborate with the scientific computing group in NCL, which is engaged in multi-scale simulations of materials including soft matter.

**(5) Code No. 05:**

**-1 Post**

**Qualifications:** Ph.D in chemistry from a reputed University/Institution with 04 years of relevant research experience.

**Experience:** The candidate should have research experience in the area of synthesis and structural characterization of organometallic compounds useful as catalysts/initiators for small molecule activation, C-C bond formation and or polymerization reactions including mechanistic elucidation of C-C bond forming and polymerization reactions.

**Job Requirements:** The selected candidate will be expected to carry out independent research in the area of synthetic and mechanistic organometallic chemistry for a variety of chemical transformation. He/She should be capable of generating support for research both from scientific departments and industry. Familiarity with bench top and vacuum line techniques for handling pyrophoric and air sensitive materials will be essential.

**(6) CODE NO. 06:**

**- 2 Posts**

**Qualifications:** Ph.D. in Physics/Chemistry/Electronics Science/Materials Science with minimum 04 years of research experience from reputed University/institute.

**Experience:** The candidate should have postdoctoral experience in the growth of thin films of metal oxides, semiconductors, organic materials or polymers, and related property measurements.

**Job Requirements:** The selected candidate will be expected to carry out independent research in the area of growth of thin films and their characterization with emphasis on solar energy. He/She should be able to interact with the multidisciplinary members from different scientific groups of the Laboratory.

**(7) CODE NO. 07:**

**- 1 Post**

**Qualifications:** Ph.D. (Synthetic Organic Chemistry) with minimum 04 years of research experience from a reputed institute/University.

**Experience:** The candidate should have research experience in synthetic organic chemistry (Synthesis of complex natural products and small molecules for new drug discovery programmes). Proven track record in development of new methodologies for complex natural products total synthesis is desirable.

**Job Requirements:** The selected candidate will work in an interdisciplinary team for the drug development programs and analytical techniques to characterize the small molecules. The candidate should be able to collaborate with the biologists and initiate chemical biology programs directed towards the development of small molecule probes and to discover lead drug molecules.

**(8) CODE NO. 08:**

**-1 Post**

**Qualifications:** Ph.D. (Synthetic Organic Chemistry) with minimum 04 years of research experience from a reputed institute/University.

**Experience:** The candidate should have research experience in synthetic organic chemistry (Asymmetric Synthesis Employing Organo- and Transition Metal Catalysis). Experience in the design and development of new technologies for the asymmetric C – C and C – Heteroatom bond formations and their deployment in the synthesis of complex small molecules is desirable.

**Job Requirements:** The selected candidate will be expected to carry out independent research on the fundamental aspects of the asymmetric organo- and transition metal catalysis.

**(9) CODE NO. 09:**

**- 1 Post**

**Qualifications:** Ph.D. (Synthetic Organic Chemistry) with minimum 04 years of research experience from a reputed institute/University.

**Experience:** The candidate should have research experience in synthetic organic chemistry and experience in new drug discovery programs for metabolic disorders.

**Job Requirements:** The selected candidate will be expected to carry out independent research in development of new methodologies and strategies for drug discovery programs and designing the novel small molecules and optimization of small molecules for drug like properties. He/She should be able to interact with the multidisciplinary members from biology, molecular modeling, IPM, analytical, and DMPK functions to lead the on-going programs or to initiate new programs that aim the development of small molecule probes and to discover lead drug molecules.

**(10) Code No. 10:**

**- 1 Post**

**Qualifications:** Ph.D in chemistry from a reputed university/institution with 04 years research experience from reputed Institute/University.

**Experience:** The candidate should have research experience in the area of heterogeneous catalysis/surface science and application of spectroscopic techniques for structural characterization of catalysis and mechanistic understanding of catalytic process.

**Job requirements:** The selected candidate will be expected to provide leadership in the area of catalyst synthesis, study of catalytic processes and elucidating the mechanisms of catalytic processes using a variety of in-situ and surface spectroscopic techniques. He/She should be capable of generating support for research both from scientific departments and industry.

**SCIENTIST - GROUP IV(2) Pay Band –3 (Rs.15600-39100)with Grade Pay Rs.6600 (1 POST)**

**(11) Code No. 11:**

**- 1 Post**

**Qualifications:** 1<sup>st</sup> class M.Sc. in chemistry with at least 03 years of relevant experience or M.Tech in Chemical Engineering/Material Science and Engineering/Polymer Engineering with at least 02 years of experience or Ph.D in chemistry with 01 year experience or Ph.D in engineering/technology from reputed Institution/University.

**Desirable:** Master's degree in management or business administration.

**Experience:** The candidate should have experience in the area of project management/business development in a large R&D or technology organization. He/She should have sound knowledge of issues related to technology transfer, contract management and financial management as well as awareness of IP/legal matters pertaining to the aspects.

**Job requirements:** The selected candidate is expected to be involved in technology transfer activities in NCL. He/She will be responsible for marketing of research and technology as well as R&D services of NCL and will act as a bridge between the scientific staff and industry as well as the government

**Benefits under Council Service:**

1. These posts carry usual allowances i.e., Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowance (TA) etc. as admissible to the Central Government employees stationed in Pune and as made applicable to CSIR. Council accommodation will be allotted as per priority to be reckoned from the date of joining/availability, in which case HRA will not be admissible.
2. All scientists in Pay Band -3 are eligible for Professional Update Allowance of Rs. 10,000/- per annum.
3. All scientists in Group IV (2) and above will be entitled to two additional increments (without DA).
4. In addition to the emoluments indicated against each category of posts, benefits such as Provident fund, applicability of New Pension Scheme, reimbursement of Medical Expenses, Leave Travel Concession, Conveyance Advance and House Building Advance are available as per rules of CSIR.
5. A Scientist can augment his income with earnings by way of honorarium/ Intellectual fees from Consultancy/technical services and R&D sponsored project(s) undertaken by the laboratory.
6. Promotional Prospects: CSIR/NCL offer excellent opportunities for career advancement under Flexible Complementing Scheme.
7. Candidates on appointment will have the opportunity to pursue PhD work with an external registration and may be sponsored for pursuing M.E/M.Tech. by availing study leave (wherever admissible).

**Relaxations:**

1. Upper age limit is relaxable upto 5 years for the regular employees working in CSIR Laboratories/Institutes, Government Departments, autonomous Bodies and Public Sector Undertakings.
2. Upper age limit is relaxable by 5 years in the case of SC/ST and by 3 years in the case of OBC candidates for the posts, which are reserved, for the respective categories. Relaxation in upper age limit for Persons with Disabilities (PWD) and Ex-servicemen will be applicable as per Govt of India rules. The SC/ST/OBC candidates who apply against unreserved vacancies will not be eligible for age relaxation.
3. Relaxation of 5 years will also be permissible to those who had ordinarily been domiciled in the Kashmir division of the State of Jammu & Kashmir during the period from 1.1.1980 to 31.12.1989 subject to production of relevant certificate from concerned authority.

**General conditions / Information:**

1. The qualifications prescribed should have been obtained through recognized Universities/Institutions.
2. The number of vacancies under each code is provisional and may vary.
3. The date for determining the upper age limit, qualifications and/or experience shall be the closing date prescribed for receipt of Online Electronics Application from i.e. **20.04.2010**
4. The period of experience in a discipline/area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualification prescribed for that Group/Grade.
5. Applications from candidates working in Government Departments, autonomous bodies, Public Sector Undertakings and Government Funded Research Agencies will be considered only if forwarded through proper channel and with a clear certificate that the applicant will be relieved of his/her duties within one month of receipt of appointment order, if selected for the post applied for.
6. Persons with Disabilities (PWD) are encouraged to apply. However, only those persons having 40% or more disabilities are eligible to be considered for the posts, reserved for PWD.
7. Candidates applying for more than one post should submit separate online application form for each post indicating the Code No. of the post. The hard copy(s) of each online application(s) should be accompanied by separate Demand Draft(s).
8. The prescribed Essential Qualifications are a bare minimum and mere possession of same will not entitle the candidates to be called for interview. Where number of applications received in response to an advertisement is large, it may not be convenient or possible for the Laboratory to interview all the candidates. The Laboratory may restrict the number of candidates to be called for interview to a reasonable limit, on the basis of qualifications and experience higher than that of the minimum prescribed in the advertisement. The candidates should, therefore, furnish all the qualifications and experience possessed in the relevant field, over and above the minimum qualifications prescribed.
9. Relaxation in age, over and above the stipulated limit, educational qualification and/or experience will only be considered in case of exceptionally meritorious candidates with prior approval of the Competent Authority.
10. Higher initial pay could be considered for exceptionally meritorious candidates, as per extant rules.

11. An application fee of Rs.100/- (Rupees one hundred only) (no application fee for Scheduled Caste/Scheduled Tribe candidates/PH candidates/ overseas candidates of Indian origin and regular employees of CSIR) is payable separately for each post which should be **ONLY** in the form of crossed DD payable at Pune (valid for a period of at least 6 months from the closing date for receipt of applications) drawn in favour of Director, National Chemical Laboratory and payable at Pune, duly enclosed alongwith the application should reach the Administrative Officer, National Chemical Laboratory, Dr. Homi Bhabha Road, Pune 411 008 on or before **27.04.2010**.
12. 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 or selection process.
13. Outstation candidates called for interview will be paid to and fro single second class rail fare/ ordinary bus fare from the normal place of their residence or that declared in the application or from the actual place of undertaking the journey, whichever is nearer to the place of the interview as per rules.
14. Kindly visit NCL website <http://job.ncl.res.in> during **August 2010** for notification to ascertain the details of short listed candidates to be called for interview.
15. Canvassing in any form and/or bringing in any influence political or otherwise will be treated as a disqualification for the post.
16. **NO INTERIM INQUIRY OR CORRESPONDENCE WILL BE ENTERTAINED.**
17. **HOW TO APPLY:** Hard Copy of the Online Application Form, application fee, recent passport size photograph and copies of Matriculation/ SSLC/ Diploma/ Degree/Provisional Degree Certificate(s) and Mark sheets for all the Semesters/ Years, SC/ ST/ OBC Certificate(s) and other testimonials in support of experience etc. should be sent in a sealed cover superscribed " Application for the post of Scientist in Group IV Post Code: ----- " to the **Administrative Officer, National Chemical Laboratory, Dr Homi Bhabha Road, Pune- 411 008.**

N.B. : The date of commencement of online application is 27.03.2010.

The last date for receipt of online application is 20.04.2010. The hard copy of the online application should reach us on or before 27.04.2010

Sd/-  
Administrative Officer

File No. NCL/C&P/Advt. 1/2010