



IndianOil

IndianOil Corporation Limited
(Research & Development Centre), Faridabad
(Advt No R&D/93)

IndianOil is India's flagship national oil company with business interests straddling the entire hydrocarbon value chain – from refining, pipeline transportation and marketing of petroleum products to exploration & production of crude oil & gas, marketing of natural gas and petrochemicals. It is the leading Indian corporate in the Fortune 'Global 500' listing, ranked at the 96th position in the year 2014.

With over 34,000 strong workforce, IndianOil has been helping to meet India's energy demands for over half a century. With a corporate vision to be the Energy of India, IndianOil closed the year 2013-14 with a sales turnover of Rs. 4,57,553 crore and profits of Rs 7,019 crore.

At IndianOil, operations are strategically structured along business verticals - Refineries, Pipelines, Marketing, R&D Centre and Business Development – Exploration & Production, Petrochemicals and Natural Gas. To achieve the next level of growth, IndianOil is currently forging ahead on a well laid-out road map through vertical integration—upstream into oil exploration & production (E&P) and downstream into petrochemicals – and diversification into natural gas marketing, alternative energy, besides globalization of its downstream operations. Having set up subsidiaries in Sri Lanka, Mauritius and the United Arab Emirates (UAE), IndianOil is simultaneously scouting for new business opportunities in the energy markets of Asia and Africa.

Applications are invited from **Indian Nationals** desirous of a **career in Research & Development** for the positions listed below. The Corporation offers excellent opportunities for individual growth and contribution based on performance and potential.

S. No	Areas	No. of Posts & Reservation Status	Qualifications & experience
1.	Lube Technology Post Code – LT01 Research Officer (Chemistry) (Gr A)	6 (Six) SC-1, OBC-1 & ST -1 (backlog)	Qualifications*: Ph.D in Chemistry from a recognized University / Institute With minimum 65% marks in graduation as well as in Post-graduation Upper Age Limit: 32 Years
2.	Industrial Bio-Technology Research Post Code –IB01 Research Officer (Biotechnology) (Gr A)	2 (Two) (OBC-1)	Qualification*: Ph.D in Microbiology/ Biotechnology/ Biochemistry/ Biosciences/Biochemical or Bioprocess engineering from a recognized university/ Institute. The PhD thesis or publications should be related to: Modern molecular biology techniques and their applications in the area of hydrocarbon biotransformation/ petroleum microbiology/ bioprocesses related to hydrocarbon refining/ upgrading/treatment Or Enzymatic CO2 capture/ Bioelectrochemical processes for CO2 transformation /Microbial fuel cell systems <i>The abstract of the PhD thesis is to be attached.</i> With minimum 65% marks in graduation as well as in Post-graduation Upper Age Limit: 32 Years
3.	Automotive Research Post Code – AR01 Research Officer (Automotive Research) (Gr A)	4 (Four) Backlog (SC-1, ST-1)	Qualification*: Masters degree in Engineering (Mechanical / Automobile / Thermal Engg. / IC Engines) from a recognized University / Institute. The dissertation should be in the field of IC Engines / Automotive Fuels / Emission. <i>The abstract of the dissertation in Masters degree in Engineering is to be attached.</i> Minimum 65% marks in graduation as well as in Post-graduation. Upper Age Limit: 28 Years

4.	Refining Technology Research & Tech Support Post Code – RT01 Research Officer (Chemical Engineering) (Gr A)	7 (Seven) SC-1, OBC-2 & ST -1 (backlog)	Qualification*: Masters degree in Chemical Engineering from a recognized University / Institute Minimum 65% marks in Graduation as well as in Post-graduation Upper Age Limit: 28 Years
5.	Intellectual Property Post Code - IP01 Sr. Officer (Gr B)	1 (One)	Qualifications*: Bachelors Degree in Engineering (Chemical / Mechanical) or M.Sc (Chemistry / Bio-technology / Polymer) from a recognized University / Institute With minimum 65% marks and Registered Patent Agent with Indian Patent office or any other patent office such as USPTO & EPO Experience(Essential): Minimum 3 Years as IP Professional in a firm / industry of repute Experience after Registration as Patent Agent will only be considered. Maximum Age: 35 Years (However, for experience more than 3 years age relaxation will be given i.e. 1 year of age relaxation for each additional year of experience subject to a maximum age relaxation upto 38 years).
6.	Fuel cell Post Code -FC02 Dy. Manager Research (Gr C) / Senior Research Officer (Gr. B) (See Note 1)	1 (One) (OBC-1)	Qualifications*: Masters degree in Mechanical Engineering from a recognized University / Institute With minimum 65% marks in graduation as well as in Post-graduation Experience(Essential): Minimum 6 years of experience after M.Tech for Grade C preferably in the area of Hydrogen / Fuel Cell Minimum 3 years of experience after M.Tech for Grade B preferably in the area of Hydrogen / Fuel Cell Upper Age Limit: For Grade C: 36 Years For Grade B: 32 Years NOTE 1: Candidates will be considered for Grade C/B based on the candidate's experience and age profile. In case of Ph.D, research work carried out during Ph.D will not be considered as work experience. In case of candidates with Masters Degree, experience will be counted from the date of successful completion of your Masters degree.
7.	Nanotechnology Post Code -NT01 Chief Research Manager (Gr F) / Senior Research Manager (Gr E) (See Note 2)	1 (One)	Qualifications*: a) Ph.D in Experimental Physics (Nano Metal Synthesis / CNT synthesis & characterization) OR b) Ph.D in Physical Chemistry (Surface Chemistry / CNT Characterization / Milling with subject in Surface chemistry/ Colloidal chemistry/ Nanoparticle synthesis with top down technology & characterization) OR c) Ph.D in Material Science (Nano Metal Synthesis / Nanocomposites / Milling) With minimum 65% marks in graduation as well as in Post-graduation Experience(Essential): Minimum 15 years of experience in relevant area after Ph.D for Grade F

			<p>Minimum 12 years of experience in relevant area after Ph.D for Grade E</p> <p>Upper Age Limit: For Grade F: 53 Years For Grade E: 50 Years</p> <p>Relevant Areas of Experience:</p> <p>Experience after Ph.D. should be in the capacity of a Senior Scientist in R&D/ academia/ industry necessarily in Application of nano-particles / dispersions in liquid-liquid and liquid-solid inter-phases in any of the following areas:</p> <p>A. Petroleum chemistry B. Nanofluid synthesis & characterization in hydrocarbon medium C. Nanoparticle surface modification</p> <p>Further experience in the following areas will be desirable:</p> <p>A. Analytical characterization (electron microscopy, Raman spectroscopy) B. Molecular modeling of surfactants</p> <p>NOTE 2: Candidates will be considered for Grade F/E based on the candidate's experience and age profile.</p> <p>In case of Ph.D, research work carried out during Ph.D will not be considered as work experience.</p>
8.	<p>Bitumen</p> <p>Post Code -BT01</p> <p>Chief Research Manager (Gr F) / Senior Research Manager (Gr E)</p> <p>(See Note 3)</p>	<p>1</p> <p>(One)</p>	<p>Qualifications*: PhD in Organic Chemistry from a recognized University / Institute</p> <p>With minimum 65 % marks or above in graduation as well as in Post-graduation</p> <p>Experience(Essential): Minimum 15 years of experience in relevant area after Ph.D for Grade F. Minimum 12 years of experience in relevant area after Ph.D for Grade E.</p> <p>Upper Age Limit: For Grade F: 53 Years For Grade E: 50 Years</p> <p>Relevant Areas of Experience:</p> <p>A. Bitumen modification B. Development of bituminous products</p> <p>NOTE 3: Candidates will be considered for Grade F/E based on the candidate's experience and age profile.</p> <p>In case of Ph.D, research work carried out during Ph.D will not be considered as work experience.</p>

***Qualification** should only be obtained **only through full time regular course** from a recognized University / Institute. Qualifications obtained through distance / Part time will not be considered.

Physical Fitness:

Desirous candidates seeking employment with IndianOil need to be **medically fit** as per **IndianOil's pre-employment medical standard**. Candidates are advised to go through the '**Guidelines and Criteria for Physical Fitness for Pre-employment medical Examination**' before they commence the application process. The guidelines are available in the following link:

http://www.iocl.com/PeopleCareers/Pre-employment_Guiding_Principles11th_mar_2011.pdf

Selection Methodology:

Depending on number of candidates fulfilling all criteria as mentioned above for the post (based on the scrutiny of the application), candidates will undergo a one-tier/ two-tier selection process for selection to the post. The two tier process may comprise of either a written test or preliminary personal interview (again depending on the number of eligible candidates for the post) followed by a final personal interview. The personal interview / interaction will assess

the technical, research Knowledge/ experience/ aptitude and behavioral competencies of the candidates as applicable to the post.

The final selection/Offer of appointment will be based on the candidates performance in Personal interview, being declared as medically fit by IOCL designated Physician, availability of vacancies in various positions advertised, and subject to fulfillment of other eligibility criteria with respect to academic qualification, age, work experience, clear release order from previous employers, NOC (from present employer, in case of candidates working in govt./quasi-govt./PSU) as may be applicable. Candidates will have to qualify through each stage of selection process successfully.

Emolument & Placements:

Selected applicants will be placed in the pay scale mentioned below. Besides Basic Pay, the applicant will be entitled for Industrial pattern of DA and perquisite and allowances as admissible in the grade, Performance Related Pay, HRA, Medical Coverage, Gratuity, Provident Fund, Group Pension Accident Insurance, House Building Advance, Conveyance Advance, etc. as per rules.

Coverage under the contributory pension superannuation benefit fund scheme and Post-retirement medical benefit facility shall be subject to meeting the eligibility criteria as laid down by the Department of Public Enterprises (DPE), Govt. of India in this regard.

Current pay scale is given below:

S.No	Position	Salary Grade	Salary Scale (in Rs.)
1	Chief Research Manager	F	51,300-73,000*
2	Sr. Research Manager	E	43,200-66,000*
3	Dy. Manager	C	32,900-58,000*
4	Sr. Research Officer/ Officer	B	29,100-54,500*
5	Research Officer	A	24,900-50,500*

*- Candidate selected for respective positions will be placed in salary scale stated above.

Service Liability:

Selected candidates for the positions will have to execute a bond of Rs. Three Lakh (Rs.50000/- for SC/ST/OBC & PWD candidates) to serve the Corporation for a minimum period of three years from the date of joining.

Concessions/Relaxations:

- Reservation of posts for SC/ST/OBC (Non-Creamy Layer) / PH (degree of disability 40% or above) as per Govt. Directives.
- Reservation of Ex-servicemen shall be applicable as per Govt. Directives.
- Age relaxation by 5 years for SC/ST, 3 years for OBC applicants and 10 years for PH applicants.
- Age relaxation by 5 years for applicants domiciled in Jammu & Kashmir between 1.1.1980 and 31.12.1989.
- Exemption from payment of application fee for SC/ST/ PH applicants.

General Instructions:

- 1) Only Indian Nationals need to apply. Those applicants who are presently residing outside India must submit valid proof of their being an Indian Citizen – such as copy of valid Indian Passport.
- 2) Only **Post-Qualification Experience** will be considered for the purpose of calculation of period of work experience.
- 3) In case of Ph.D candidates, experience will be counted from the date of successful defense of your Ph.D dissertation / thesis. It is **mandatory** for candidates possessing Ph.D qualification to mention the **date of successful defense of Ph.D** in their application. In case of candidates with Masters Degree, experience will be counted from the date of successful completion of your Masters degree.
- 4) The percentage of marks should be calculated after taking into account marks obtained in each subject studied in all semesters/ years including those of language or subsidiary papers.
- 5) Person with Disability will be considered against all posts.
- 6) Candidates applying for two or more posts will need to apply separately for each post with separate demand drafts and other supporting documents.
- 7) Candidates with higher qualifications, publications/ patents to credit at international levels, notable achievements at work, work experience in national/international laboratory may also apply.
- 8) Applicants must have consistent good academic record. Applicants having published work in national/international journals of repute should submit details with application.
- 9) Wherever CGPA/OGPA/DGPA or letter grade in a degree is awarded, its equivalent percentage of marks must be indicated in the application as per norm adopted by the University/Institute. A copy of such formula must be attached with the marksheet.
- 10) Candidates who have submitted their thesis and are awaiting defense of thesis or awaiting result as on **30.09.2014** will not be considered eligible.

- 11) Applicants presently employed in Govt. Deptt / PSUs / Autonomous Bodies will need to submit NOC from their current employer at the time of interview.
- 12) Applicants belonging to OBC category but coming in Creamy Layer will not be entitled to the benefit of reservation and should apply as general category candidate.
- 13) Minimum percentage of marks in the qualifying examination prescribed above is relaxed to 55% for SC/ST/PH category applicants.
- 14) Incomplete applications not supported by self attested copies of relevant documents in support of age, qualifications (Mark sheet/degrees), experience and caste certificate (in case of SC/ST/OBC/PH), not fulfilling the eligibility criteria or those received after the last date of receipt of applications shall not be considered and treated as "Rejected".
- 15) In case any certificate/ testimonial has been issued in any other language other than English/ Hindi, the candidate must submit a self-certified translation copy of the same either in English or Hindi.
- 16) The age, qualification & experience for the above posts shall be reckoned as on **30.09.2014**.
- 17) Outstation applicants called for interview will be reimbursed 2 tier AC Rail fare or actual Bus fare by the shortest route, provided the distance travelled is not less than 160 km on production of actual rail/Bus ticket from mailing address/place of present posting.
- 18) In case of candidates coming from overseas, reimbursement of fare will be limited to 2 tier AC Rail fare or actual Bus fare by the shortest route for inland travel from port of arrival.
- 19) The decision of the management in all matters relating to eligibility, acceptance or rejection of the application, mode of selection will be final and Management will not entertain any enquiry or correspondence in this regard.
- 20) **IOCL reserves the right to not fill any of the above posts advertised at any stage of the selection process.**
- 21) Canvassing of any kind shall disqualify the candidate.

The vacancies and reservation indicated above is tentative and may increase or decrease in the relevant categories at the absolute discretion of management and in compliance with Presidential Directives on reservation at the time of appointment.

LAST DATE OF RECEIPT OF APPLICATIONS: 05.12.2014

How to Apply:

- 1) **Only those applicants who fulfill the eligibility criteria should submit typed/computer printed applications strictly in the prescribed format (attached) to Indian Oil Corporation Limited, R&D Centre, Post Box No. 720, Escorts Nagar Post Office, Faridabad-121007.** Since the applications will be received through Post Box, **DO NOT SEND THE APPLICATION THROUGH COURIER.**
- 2) Please mention correct and active email-id/ contact number for various communications. Candidates must have an active email-id which must remain active for at least next one year. All communications with the candidates will take place through email only. IOCL will not be responsible for bouncing of any e-mail sent to the candidates.
- 3) General & OBC candidates are required to pay a non-refundable application fee of Rs. 300/- (Rupees three hundred only) as application fee drawn on State Bank of India, Faridabad (Code 10449) in favor of INDIAN OIL CORPORATION LTD., R&D CENTRE payable at Faridabad. SC/ST/ PH applicants are exempted from payment of application fee. Write name and address on the reverse of Demand Draft. MO / IPO or any other mode of payment or DD drawn on banks other than SBI will not be accepted.
- 4) Please **write the post applied** for at the top left-hand corner of the envelope.
- 5) Applications not receive within stipulated date or Application received without photograph / Demand Draft / attachments / proper documents will be rejected without any further communication.
- 6) The envelope with documents **must reach the above Post Box latest by 05.12.2014.**
- 7) The prescribed format for sending the application can be downloaded by clicking on the following link:

[Download Application Form](#)

Contact Person: Shri Pritish Vats
Employee Relations Officer (HRD)
IOCL R&D Centre,
Tel: 0129-2225691

While applying for a post in response to this advertisement, candidates must ensure that they fulfill the eligibility criteria and other norms for the said post and must ensure that all particulars filled by them in the application format are correct and complete in all respects. In case it is detected at any stage of the recruitment process that a candidate does not fulfill the eligibility criteria or has submitted false information or has suppressed any material fact(s) his / her candidature will automatically stand cancelled. If any of the above shortcomings are detected even after appointment, his / her services are liable to be terminated without any notice.

Court of jurisdiction for any dispute with reference to this recruitment advertisement will be at Faridabad, Haryana.