



Indian Oil Corporation Ltd.

(Research & Development Centre)
Faridabad, Haryana, India
(Advt. No. R&D/84)



REQUIRES 14 RESEARCH SCIENTISTS

Indian Oil Corporation Limited, celebrating Golden Jubilee in 2009, is the largest commercial undertaking in India and is the highest ranked Indian Company in the prestigious Fortune 'Global 500' listing at 105th position. IndianOil Group of companies controls 10 of India's 20 refineries with a combined refining capacity of 60.2 million metric tones per annum (MMTPA). IndianOil and its subsidiaries account for 48% of the petroleum products market in India, 34% national refining capacity & 71% downstream sector pipelines capacity in India.

Indian Oil has set up a world class R&D Centre at Faridabad which has won recognition for its pioneering research and development work in the areas of lubricant technology, refinery processes, pipeline transportation, bio-fuels and fuel efficient appliances.

Applications are invited from Indian Nationals desirous of making a career in Research & Development, IndianOil. The Corporation offers excellent opportunities for individual growth and contribution based on performance and potential.

Sl.No.	Areas / Posts	No. of vacancies	Qualification / Experience
1 Petrochemical & Polymers			
1.1	Research Officer (Grade A)	Two	I) Polyolefin Catalysts / Polymerization including Pilot Plant: Ph.D in Chemistry with specialization in Organo-metallics OR Ph.D in Polymer Science with specialization in Organo-metallics catalysts and polymerization processes. Candidates with the following experience will be preferred: <ul style="list-style-type: none"> • Synthesis of organometallic compounds • Handling of sensitive chemicals / materials • Synthesis and characterization of Ziegler-Natta/metalocene catalysts • Polymerization / copolymerisation of ethylene, propylene and higher olefins using Ziegler-Natta/metalocene catalysts. • Bench scale polymerization reactors / pilot plant. II) Polymer Rheology : Ph.D in Polymer Science / Polymer Engineering. OR Ph.D in Chemical Engineering / Mechanical Engineering / Materials Science / Physical Chemistry with knowledge of polymer rheology and hands - on experience with rheometers. Candidates having experience on polyolefin rheology will be preferred.
1.2	Sr. Research Officer / Dy. Manager Research (Grade B / C)	Two	
III) PTA/PX Process / Catalyst : B.Tech. & M.Tech. in Chemical Engineering OR Ph.D in Physical / Inorganic Chemistry with specialization in heterogeneous Catalysis. Candidates having research experience in catalyst synthesis and characterization work related to aromatic petrochemicals shall be preferred.			
Minimum 60 % marks in Graduation as well as in Post - Graduation. Experience : For Grade C, minimum 5-6 yrs. and for Grade B minimum 2-3 yrs. of relevant R&D experience after the basic qualification / degree specifically in the area of Polyolefins i.e Polyethylene / Polypropylene. The R&D experience must be supported by patents / international publications.			

SI.No.	Areas / Posts	No. of vacancies	Qualification / Experience
2 Catalysis			
2.1	Research Officer (Grade A)	Two	<p>Qualification :</p> <ul style="list-style-type: none"> Ph.D - thesis in the area of a) Heterogeneous catalysis or Material synthesis for catalytic application. Must have experience in various catalytic / Zeolitic materials preparation. Preference will be given to candidates who have experience in the area of metal supported catalysts, mixed oxides, modification of Zeolites and related materials. Candidates should be familiar with catalyst/catalytic material characterization and data interpretation of various analytical tools. Also should be capable of carrying out independent research, data handling / interpretation and report writing. Publication in national & international journals. <p>Minimum 60% marks in Graduation as well as in Post-Graduation.</p> <p>Experience :</p> <ul style="list-style-type: none"> For Grade B: 5-8 Yrs. in Catalysis research in the area of FCC/RFCC, Hydroprocessing, Isomerisation, Alkylation, Demerisation, FT Synthesis in Research Laboratories or Industrial Labs.
2.2	Sr. Research Officer (Grade B)	One	
3 Tribology			
3.1	Research Officer (Grade A)	Two	<p>" M. Tech. in Mechanical Engineering OR Ph.D in Physics / Chemistry from a recognized University/Institute preferably with research experience in Tribology / Nano-Tribology techniques like AFM, Nanoindentor as applicable to characterization of Tribofilms.</p> <p>Minimum 65% marks in Graduation as well as in Post- Graduation.</p>
4 Chemistry			
4.1	Research Officer (Grade A)	Four	<ul style="list-style-type: none"> Ph.D in Physical / Analytical / Organic / Inorganic Chemistry from a recognized University/Institute. <p>Minimum 65% marks in Graduation as well as in Post- Graduation.</p> <ul style="list-style-type: none"> Candidates with Mathematics as one of the main subjects in Graduation shall be preferred. Research experience in chemistry specially in the field of Petroleum Products, lubricants / greases, Polymers & Petro-chemicals is desirable. Candidates having knowledge of handling analytical equipments like IR/NMR/XRD/XRF/Chromatography and interpretation of data will be preferred.
5 Automotive Testing			
5.1	Research Officer (Grade A)	One	<ul style="list-style-type: none"> Ph. D / M.Tech. in Mechanical / Automobile / Thermal Engineering (IC Engines) from a recognized University / Institute. Candidates who have done the dissertation / research work in the field of IC Engines / Alternative Fuels / Emissions may only apply. Those with practical experience in the field of IC Engines will be preferred. <p>Minimum 65% marks in Graduation as well as in Post-Graduation.</p>

Upper Age Limit (as on 31.12.2009) :

	Ph.D	M. Tech or M.E
Grade A	32	28
Grade B	35	32
Grade C	38	36

Selection Methodology : The candidates meeting the prescribed eligibility criteria / experience requirement shall be subjected to Written Test and or Personal Interview.

Placement :

- Selected candidates will be provisionally placed with minimum Basic Pay as under :

Grade A	Rs. 23,000/-
Grade B	Rs. 27,600/-
Grade C	Rs. 32,900/-
- Besides Basic Pay and industrial pattern of DA, the other allowances/benefits include HRA, Medical Facilities, Performance Linked Incentive, Productivity Linked Incentive, Gratuity, Contributory Provident Fund, Employees' Pension Scheme, Group Savings Linked Double Accident Insurance, Leave Encashment, Leave Travel Concession, LFA, Contributory Superannuation Benefit Fund Scheme, House Building Advance, Conveyance Advance/Maintenance Reimbursement, Professional Updation Allowance, Home Desk-Top PC Scheme, House furniture, Children's Education Allowance etc. as per rules.

Concessions/Relaxations :

- Reservation of posts for SC/ST/OBC (Non-Creamy Layer)/PH (degree of disability 40% or above) as per Govt. Directives.
- OUT OF 14 POSTS, 2 POSTS ARE RESERVED FOR SC AND 3 FOR ST AND 2 FOR OBC (1 post reserved for PH-HH category).
- Reservation of Ex-servicemen shall be applicable as per Govt. Directives.
- Age relaxation by 5 years for SC/ST, 3 years for OBC candidates and 10 years for PH candidates.
- Age relaxation by 5 years for candidates domiciled in Jammu & Kashmir between 1.1.1980 and 31.12.1989.
- Exemption from payment of application fee for SC/ST/ PH candidates.

General Instructions :

- Candidates must have consistent good academic record. Candidates having published work in national/international journals of repute should submit details with application.
- 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.
- Candidates presently employed in Govt. Deptt / PSUs / Autonomous Bodies must apply through proper channel or submit 'No Objection Certificate' at the time of interview.
- PH candidate will be considered against identified posts only.
- Candidates 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.
- Candidates must attach with the application, demand draft, documentary evidence in support of age, qualifications, experience, caste certificate (in case of SC/ST/OBC), PH certificate(if applicable)
- Minimum percentage of marks in the qualifying examination prescribed above is relaxed for SC/ST/PH category candidates.
- Candidates should satisfy themselves about their eligibility for the post applied.**
- General and OBC candidates are required to send a NON-REFUNDABLE crossed Demand Draft for Rs. 300/- (Rupees three hundred only) as application fee drawn on State Bank of India, Faridabad (Code 10449) in favour of INDIAN OIL CORPORATION LTD., R&D CENTRE payable at Faridabad. 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.
- Outstation candidates called for interview will be reimbursed 3 tier AC Rail fare or actual Bus fare by the shortest route, provided the distance travelled is not less than 30 km on production of actual rail/Bus ticket from mailing address/place of present posting.
- Write name of the post at the top left hand corner of the envelope.
- Number of posts may change as per requirements at the time of Written Test / Interview.
- LAST DATE OF RECEIPT OF APPLICATIONS : 31.12.2009**

How to apply :

Only those candidates who fulfill the eligibility criteria should submit typed/computer printed applications strictly in conformity with the format given below to Senior Human Resource Manager, Indian Oil Corporation Limited, Research and Development Centre, Sector 13, Faridabad-121007 (Haryana) only by ordinary post so as to reach latest by 31st December,2009. Applications with incomplete / wrong particulars and those who do not meet the prescribed eligibility criteria as per advertisement or received after the due date will entail rejection and the DD will not be refunded.