



Research & Development Centre, Faridabad

### **REQUIRES RESEARCH SCIENTISTS IN PETROCHEMICAL**

IndianOil Corporation Limited is the largest commercial undertaking enterprise in India and also an Indian company in Fortune's Global 500 listing with a ranking of 116 by sales. IndianOil controls 10 of India's 19 refineries with a current combined refining capacity of 60.2 million metric tones per annum (MMTPA). IndianOil holds 47% of the petroleum products market in India with an extensive network of over 32,500 sales points.

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, pipelines transportation and bio-fuels.

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.

#### **1. DEPUTY GENERAL MANAGER (Grade G)**

Qualification : Ph.D in Polymer Chemistry from a recognized University / Institute.

OR Post Graduate in Chemical Engineering from a recognized University / Institute with specialization in Polyolefins. The candidates must have obtained minimum 60% marks in Graduation as well as in Post- Graduation.

The candidates must have knowledge of :

- Different technologies available for PE / PP
- Short-term and long-term perspectives for business environment and facilitating development of newer applications, polyolefin grades and specialty grades.

Experience - 20 years of R&D experience after the basic degree in the area of polyethylene / polypropylene.

- Working in polyolefin R&D lab(s) with expertise in trouble-shooting. Optimization, evaluation / development of catalysts, development of new polymer grades, post-reactor modifications and additive optimization etc.
- Setting-up and design of micro-reactors, pilot plants and other related laboratory facilities for polyolefin research.
- Characterization and evaluation of Ziegler – Natta / Metallocene catalysts.
- New generation catalyst for polyolefin processes.
- Additional knowledge of structure – property – performance relationships, optimization of additive, polymer testing and processing equipments

Upper Age- Limit : Preferably not exceeding 55 years.

**2. DEPUTY MANAGER RESEARCH (Grade C) / SENIOR RESEARCH OFFICER (Grade B) / RESEARCH OFFICER (Grade A)**

Qualification : Ph.D in Chemistry with specialization in organo-metallics

OR

Ph.D in Polymer Science with specialization in organo-metallics catalysts and polymerization processes with knowledge of characterization techniques used for polymer analysis / testing

OR

M.Tech. Polymer Engineering / Technology with specialization in Polymers

The candidates must have obtained minimum 60 % marks in the Graduation as well as in Post Graduation.

Experience : **Grade A** – No experience necessary after the basic degree as per the minimum qualification required. However, candidates having some R&D experience will be preferred.

**Grade B / C**– The candidate must have minimum 6 years of R&D experience for Grade – C and minimum 3 years of R&D experience for Grade – B, after the basic degree in both the cases, in the area of polyolefins (polyethylene/polypropylene), particularly in some of the following aspects :

- Synthesis of organometallic compounds
- Handling of sensitive chemicals / materials
- Synthesis and characterization of Ziegler-Natta/metallocene catalysts
- Polymerization/copolymerisation of ethylene, propylene and higher olefins using Ziegler-Natta/metallocene catalysts
- Mechanical Testing and characterization of polyolefins
- Polyolefin rheological aspects
- Polymer processing techniques
- Polyolefin composites / blends

Upper Age-Limit: The upper age-limit shall be as under :

	<u>M.Tech.</u>	<u>Ph.D</u>
Grade 'A' -	28	32
Grade 'B' -	32	35
Grade 'C' -	36	38

**CANDIDATES WOULD BE OFFERED SUITABLE GRADE COMMENSURATING WITH THEIR QUALIFICATION AND EXPERIENCE.**

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

Grade and Scale of Pay : Besides Basic Pay and Industrial Pattern of DA , other allowances 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. shall be admissible as per rules. The pay-scale is under revision from 01.01.2007. Current Pay-scale is given below :

Sl.No.	Position	Grade	Scale of pay (Rs.)
1	Deputy General Manager	G	19,500 – 25,600
2	Deputy Manager Research	C	16,000 - 20,800
3	Senior Research Officer	B	13,750 – 18,700
4	Research Officer	A	12,000- 17,500

**Concessions / Relaxations :**

- Reservation of posts for SC/ST/OBC (Non-creamy layer)/ PH/ Ex.SM and relaxations thereof as per Govt. Directive. Age relaxation by 5 years for SC/ST, 3 years for OBC 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 candidates.

**General Instructions :**

1. Candidates must have consistent good academic record. Candidates having published work in national/international journals of repute should submit details with application.
2. 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.
3. Candidates presently employed in Govt. Deptt / PSUs / Autonomous Bodies must apply through proper channel or submit 'No Objection Certificate' at the time of interview.
4. Experience details are required to be furnished as per the format. Please be brief in mentioning experience details without missing out the highlights / achievements.
5. Candidates must attach with the application, documentary evidence in support of age, qualifications, experience, caste certificate (in case of SC/ST/OBC). Relaxation to SC/ST/PH category candidates in percentage of marks in the qualifying examinations shall be applicable as per norms.
- 6. Candidates should satisfy themselves about their eligibility for the post applied for.**
7. 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 734) 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.
8. - For position at Sl.No.1, reimbursed fare limited to airfare (economy class) from the airport nearest to the address mentioned in the application form to the place of interview / AC first class from the railway station nearest to the address mentioned in the application form to the place of interview on production of ticket.  
- For positions at Sl. Nos. 2-4 fare will be restricted to rail fare-3 tier AC / or actual Bus fare by the shortest route, to the outstation SC/ST candidates provided the distance travelled is not less than 30 km on production of actual rail/Bus ticket from the address mentioned in the application form/place of present posting.
9. **Write post applied for at the top left hand corner of the envelope.**

**LAST DATE OF RECEIPT OF APPLICATIONS : 29.08.2008**

**How to apply : Only those candidates who fulfill the eligibility criteria should submit typed/computer printed applications Download application Form 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), India only by ordinary post so as to reach latest by 29.08.2008. 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.**

**Download application Form**