

Government of India
Department of Chemicals & Petrochemicals
Ministry of Chemicals & Fertilizers
Shastri Bhawan, New Delhi

National Petrochemicals Awards
Guidelines
(Released: September, 2021)

CODE OF PROCEDURE

CONTENTS		
Section No.	Section	Page nos.
I	Introduction	2-3
II	Innovation Awards Scheme	3-4
III	Eligibility for the awards	4
IV	Periodicity of the awards	4
V	Implementation Framework & Operational Modalities	4-5
VI	Presentation of the awards	5-6
VII	Sample Formats of Application	7-17

Section-I: Introduction

1. Petrochemicals comprise of plastics and most of other chemicals as downstream hydrocarbons derived from crude oil and natural gas. These hydrocarbons are a valuable resource and constitute vital raw-materials in industry. The value added petrochemical products all along the value chain cater to the needs of textiles and clothing, agriculture, packaging, infrastructure, healthcare, furniture, automobiles, information technology, power, electronics, telecommunications etc.

The Government of India announced the National Policy on Petrochemicals in April 2007. The policy envisioned the following:

- I. Development of value added, quality petrochemical products at globally competitive prices using eco-friendly processes and technologies.
 - II. Innovation of newer application and products with focus on sustainable development.
2. The vision of the Department is to be achieved through promotion of Research and Development and Human Resource Planning and Development. Towards furtherance of this objective, the policy envisaged institutionalization of National Petrochemicals Awards for Technology Innovation in various fields of Petrochemicals.
 3. The level of R&D investments in Indian Chemical sector is low at around 0.3% of total sales. The areas for strengthening of R&D in Chemical Industry include improvements in manufacturing process for reduction in cost of production, application development to diversify demand, and new product development. Currently the expenditure on R&D in the Petrochemical sector is less than 1% of industry turnover. This needs to be increased in phases to 2 to 3%. India has a highly trained manpower base. However, as per world industry estimates, inadequate R&D infrastructure is a constraint for attracting investment in innovation. Ultimately, India stands to lose out in the world of polymer and plastic market if low-cost-high-return programmes are not implemented by the government.
 4. The future Research & Development vision of the Petrochemical industry needs to provide long term commitment to investment in R&D and strive for continuous innovation in terms of raw material usage, energy efficiency, process/operation improvement, technology forecasting and adoption of emerging technologies, in particular on recycling technologies and development of recycled products etc. It is also felt that new process technologies for high performance polymers (green processes etc.), thrust on new platforms, bio-/nano sciences as enablers for advanced polymeric materials are the need of the hour. At the

same time R&D thrust in development of moulds, dies and tools cannot be over emphasized. Collaborative investment through Public Private Partnership (PPP) mode in technology development by Government, academic Institutions and Industry could push the agenda for R&D in this sector, which will have a long term impact on the Industry.

Section-II: Innovation Awards Scheme

1. The Petrochemical sector is a key sector of the global (and Indian) economy. At the same time there are public apprehensions about the adverse impact of plastics on environment and health. This concern needs to be addressed by being at the forefront of technology development in this sector as also to enhance the pace of innovation in this field. This on the one hand, would create pressures that would motivate companies to innovate and on the other hand, the environmental concerns will guide sustainable product and process interventions.

With the above mentioned objectives, Government of India, Department of Chemicals & Petrochemicals has decided to set up an Award Scheme to incentivize meritorious innovations and inventions in the field of petrochemicals, products, processes and other areas of national and social importance. The various applications of petrochemicals has already penetrated in all walks of life including various manufacturing sectors for conservation of natural resources and energy efficiency etc.

2. This innovation award scheme will motivate the inventors to carry out innovative Research & Development in the areas of petrochemicals and allied industry, which in turn will improve performance / quality of the existing product. This award will be on outstanding contribution in R&D leading to better energy consumption, better plastic waste management, increase in product life cycle, development of innovative new products, quality standards, recycling and other emerging areas.
3. These awards are also intended to enhance innovative capacities to a level of international recognition. The ultimate objective is to develop and maintain the petrochemical industry as a globally competitive industry using eco-friendly processes & technologies.

This scheme will help improve the performance of the existing product and its quality leading to better acceptance and increase in demand of the product in the competitive market of petrochemicals. This will benefit both small and medium enterprises as well as larger companies.

Applicant has to apply online for award under any category/sub-category as per prescribed applicable formats separately for Individual /Team/ Industry/ Academic Institution / R&D Institution/ MSME. (Annexures attached).

Section–III: Eligibility for the awards

1. The awards are open to all Indian citizens/institutions/industries/ organisations/ Start-up registered in India or created by the Central/ State governments/ Union Territories.
2. In case of a team or group, the maximum number of the applicants in a team/group in any particular Prize Award Application should not be more than five.
3. The innovation should either be an original product, process or an improvement on existing product or process so as to increase utility of the product or process by enhancing consumer advantages, accuracy, reliability, safety, product life, versatility, etc. Mere theoretical hypothesis, innovation simply in the idea stage and perpetual motion machines are not eligible for consideration of an award.
4. The innovation should be not older than three years, at the time of submitting the application.
5. To promote new innovators/ researchers/ scientists and to bring them forward with their innovations, awardees of previous editions of the National Awards will be deemed ineligible to participate in the National Petrochemical Awards for the next two editions/years.

Section-IV: Periodicity of the awards

1. The awards shall be conferred annually.
2. If, however, it is considered that none of the recommendations merit recognition, no award shall be given in the category.

Section-V: Implementation Framework & Operational Modalities

1. The entry applications for awards will be screened and evaluated by the Expert Committee. The members of the Expert Committee will be nominated by the Department and would be headed by a renowned scientist/ expert of the domain nominated by the Department.
2. Evaluations report of the Expert Committee will be placed before the Prize Award Committee, which would be chaired by Joint Secretary (Petrochemicals). The Prize Award Committee will have representation from National Level Academic Institutions / Research Laboratories, National Level Industry Associations, Expert Committee and representatives from Government of India. The names recommended by Expert Committee may be asked to present their innovation/project etc. before the Prize Award Committee. Prize Award Committee would then submit its recommendations on awardees for final approval of Secretary (C&PC).

3. The National Petrochemical Awards will be organised by the Department in coordination with the PSU or Autonomous Bodies of the Department.
4. The non-official members of the Committees shall be entitled to travelling and daily allowance in accordance with the Financial Rules and procedures as applicable in the Government of India.
5. The award and its categories may change as per the need of the hour with recommendation of Expert Committee.

Section–VI: Presentation of the awards

1. The awards, as far as possible, shall be presented at New Delhi at a special ceremony/function in the month of February/ March.
2. The awardees shall be invited to receive the awards in person. No TA/DA will be provided to awardees for attending the function.
3. The Ministry shall make payment of the awards online (RTGS/NEFT), as the case may be.
4. Before the announcement of conferment of the awards, the concurrence of the prospective awardees shall be ascertained. However, even after giving such acceptance, if an awardee declines to accept the award, the award money shall immediately revert to the Ministry.
5. The following awards shall be presented every year to an individual/team/institution/industry for outstanding contribution in the field of petrochemicals and allied sectors which has created significant impact in the country. The awards carry a citation, a memento and cash award (as below) in each category.

Description of the awards	The amount of cash award
Winner of National Petrochemical Award in each category	Rs.3,00,000/- (Rupees Three Lakh)
Runner-Up of National Petrochemical Award in each category	Rs. 1,00,000/- (Rupees One Lakh)
Special Award for the life time achievement in Petrochemicals	Rs. 5,00,000/- (Rupees Five Lakh)

Section-VII: Sample Formats of Application



NATIONAL PETROCHEMICALS AWARDS

Annexure-A

Department of Chemicals & Petrochemicals \, Ministry of Chemicals & Fertilizers, Govt. of India

SAMPLE APPLICATION

1. Category of Award

(An applicant can submit one Innovation in maximum of 2 Categories only (If found suitable))

:

Innovation in Polymeric Materials

Innovation in Polymeric Products

Innovation in Polymer Processing Machinery, Equipments, Robotics & Automation

Innovation in Polymer Waste Management

Innovation in Green Polymeric Materials & Products

Innovation in Packaging Techniques including creative Design

Polymers in Agriculture and Water Conservation

Polymers in Medical and Pharmaceutical Applications

Innovation in Petrochemicals and Newer polymer Applications

Research in the field of Polymer Science & Technology (for Research Students of Academic Institute/Research lab)

Innovative "Start-up" venture in Polymer field

2 Title of Innovation _____
 (Not exceeding 100 words)

3 Brief highlight about the innovation
 (Write-up not exceeding 250 words/enclose separate sheet as Annexure: 1)

4. Applicant's Name and Address (Enclose separate sheet, if necessary)

Name (with prefix Mr/ Ms/ Mrs/Dr) & Gender Mobile No. Email Id	Academic Qualification	Designation & Department Name of the Industry /Academic / R&D Institution with address	Aadhaar No.	*Primary Applicant

*Note: In case, the award is required in the name of the company, please fill the company name as Primary Applicant.

5. Details of Head of the Industry/ Academic /R &D Institution:

Name (with prefix Mr/ Ms/ Mrs/ Dr) & Gender/ Mobile No./ E mail Id	Designation	Name & type of organization (Prop./Partnership/Pvt. /Public Ltd./Govt. Public Sector / Autonomous, etc.) with address	Annual Turnover

6. Stage of Development
 (Tick whichever is appropriate)

- | | |
|--|--|
| I. Lab Scale <input type="checkbox"/> | IV. Working Prototype <input type="checkbox"/> |
| II. Pilot Plan <input type="checkbox"/> | V. Test Marketing <input type="checkbox"/> |
| III. Full Scale Operation <input type="checkbox"/> | |

- 7. Detailed Technical Description** (giving its constructional and working mechanism along with photographs)
(Write-up not exceeding 250 words/ enclose separate sheet as Annexure: 2)
- 8. Principle Involved:**
(Write-up not exceeding 250 words /enclose separate sheet as Annexure:3)
- 9. Originality/ Novelty of Innovation:**
(Write-up not exceeding 250 words/enclose separate sheet as Annexure: 4)
- 10. Advantages over known Alternatives:**
(Write-up not exceeding 250 words/enclose separate sheet as Annexure: 5)
- 11. Status of Publication/Patent in India and Abroad:**
(Please provide details in enclose separate sheet as Annexure: 6)
- 12. Test report to substantiate claims from reputed Govt. Institute/ Govt. recognized NABL Test Agency:**
(Please provide details in enclose separate sheet as Annexure:7)
- 13. Users' Report/ Field trails:**
(Write-up not exceeding 250 words/enclose separate sheet as Annexure: 8)
- 14. Status of Commercialization & Industrial Collaboration:**
(Write-up not exceeding 250 words/enclose separate sheet as Annexure: 9)
- 15. Self-Appraisal by the applicant giving full justification for the award**
(Write-up not exceeding 250 words/enclose separate sheet as Annexure:10):

16. Particulars of previous awards won by applicant (individual/ team) (if any).

Sl. No.	Name of the recipient of the award	Name of Award	Category of Award	Whether in Individual capacity or in a team/ group	in year of award
1					
2					

17. Particulars of business/ collaboration with AB/ PSU of the Department (AB: CIPET/ IPFT, PSU: HIL/HOCL/HFL)

Sl. No.	Name of AB/ PSU	Brief of work
1		
2		

18. Action plan for next 3 years in respect of implementation / commercialization of the innovation

NATIONAL PETROCHEMICAL AWARDS

CERTIFICATE OF UNDERTAKING

Category:

Title of Innovation:

I / We have read and fully understood the terms and conditions & the eligibility criteria and fulfill the same.
I / We also understand that mere fulfillment of eligibility criteria does not entitle me / us for the award.
Further, the information provided by me / us is true and correct to the best of my / our knowledge and beliefs. If any information provided above is found incorrect/false application may be summarily rejected without giving any reason.

Signature of the Applicant with date

Name:

Mobile No.:

Email ID:

Signature of the Head & Seal

Name:

Mobile No.:

Email ID:



NATIONAL PETROCHEMICALS AWARDS Annexure-B

SAMPLE APPLICATION FORM

1 Category of Award : Best Employer in Petrochemical Sector
(for R&D units/Manufacturing industries with 3 consecutive years in operation & 20+employees in role)

2 Title of Company :

(Not exceeding 100 words)

Registration Certificate

(Please Upload Annexure-1)

IT Returns (Last three years)

(Please Upload Annexure-2)

3 Brief highlight about the Company:

(Write-up not exceeding 250 words/enclose separate sheet as Annexure-3)

4. Applicant's Name and Address (Enclose separate sheet, if necessary):

Name (with prefix Mr/ Ms/ Mrs /Dr) & Gender Mobile No. Email Id	Academic Qualification	Designation & Department Name of the Industry / Academic / R&D Institution with address	Aadhaar No.	*Primary Applicant

*Note: In case, the award is required in the name of the company, please fill the company name as Primary Applicant.

5. Details of Head of the Industry/Academic /R &D Institution:

Name (with prefix Mr/ Ms/ Mrs/ Dr) & Gender/ Mobile No./ Email Id	Designation	Name & type of organization (Prop./Partnership/Pvt. / Public Ltd./Govt. Public Sector / Autonomous, etc.,) with address	Annual Turnover

6. Industry Category:

(Tick whichever is appropriate)

I. Small Scale

II. Medium Scale

III. Large Scale

7. Number of Employees (Consecutive 03 years):

(Please provide the details as per format enclosed as Annexure-1 and upload scanned copy with seal & sign).

8. Details about manpower recruitment process:

(Write-up not exceeding 250 words/enclose separate sheet)

9. Details about Job analysis, Competency mapping & Job description of Employees:

(Give supporting documents and job description data)

10. Details of Grievance Redressal System:

(Mention the number of grievances received from your employees during the last three years, Give supporting documents)

(Grievance related to Pay fixation, Increments, Basic Amenities, Welfare, Safety of employees, Quality of Personal Protective Equipment, Sanction of Leave, Discrimination amongst employees, Occupational Health, Working Conditions, Canteen food, Overtime, Work during weekly offs and compensatory holidays, Shift working, IPR Policy etc.)

11. Mechanism to avoid sexual harassment of women employees:

(Give supporting documents e.g. Committee/Action group, No. of complaints received/ disposed of in the last three years)

12. Details of Policy to identify training need pertaining to the job profile:

(Write-up not exceeding 250 words /enclose separate sheet)

13. How many training session were organized during last three years:

(Please provide the details as per format enclosed as Annexure-II and upload scanned copy with seal & sign)

14. Details of No. of Employees sponsored for higher studies in the last three years:

(Give number of specific instances with details of number of special leave given during the last three years, avoiding names of employees)

15. Details of the Social Security Measures (Statutory & Non-statutory):

(For e.g. Provident Fund, ESI Benefits, Maternity Benefit, Personal Accident Policy, Health Insurance, Comprehensive Annual Health Check-up, Offer of jobs on Compassionate Grounds to kith/Kin of employees who died / got disabled while in service, Minimum Wages/Fair Wages/Living Wages etc.)

16. Details of Industrial relation:

(Give details of number of Strikes, Lock-Outs, Application to Government suggesting retrenchment of how many number of employees (Give data for the last three years)

17. Details about Motivational aspects:

(Give report, indicating the number of tours undertaken, number of employees' children rewarded, number of employees sponsored in Sports / Cultural activities, number of employees who have attended yoga classes with details, avoiding names of employees)

18. How many Employees were Recruited/ Left in the last three years:

(Please provide the details as per format enclosed as Annexure-III and upload scanned copy with seal & sign)

19. Self Appraisal by the applicant giving full justification for the award:

General, Processes, Products and Services, Customer focus, Risk Management, Human Resource Management, Impact on Society & Business Results etc. as Annexure-16)

20. Particulars of previous awards won by applicant (individual/ team) (if any).

Sl. No.	Name of the recipient of the award	Name of Award	Category of Award	Whether in Individual capacity or in a team/ group	in year of award
1					
2					

21. Particulars of business/ collaboration with AB/ PSU of the Department (AB: CIPET/ IPFT, PSU: HIL/HOCL/HFL)

Sl. No.	Name of AB/ PSU	Brief of work
1		
2		

Title of the Company

Address

No. of employees (Consecutive 03 years):

Gender	Description	Age	No. of Employees			Mini./ Max. Educational Qualification
			2017-18	2018-19	2019-20	
Men	Skilled	Below-30				
		31-50				
		Above-50				
	Un-Skilled	Below-30				
		31-50				
		Above-50				
	Office & Managerial Staff	Below-30				
		31-50				
		Above-50				
	Sr. Managerial & above	Below-30				
		31-50				
		Above-50				
	Contractual	Below-30				
		31-50				
		Above-50				
Sub Total (A)						
Women	Skilled	Below-30				
		31-50				
		Above-50				
	Un-Skilled	Below-30				
		31-50				
		Above-50				
	Office & Managerial Staff	Below-30				
		31-50				
		Above-50				
	Sr. Managerial & above	Below-30				
		31-50				
		Above-50				
	Contractual	Below-30				
		31-50				
		Above-50				
Sub Total (B)						
Total (A+B)						
Men	Physically challenged					
Women						
No. of training programmes*						

*No..of Orientation/Induction training programmes conducted for new joinees (enclose the details in separate sheet alongwith Annexure -4).

Name of the Applicant & Signature

Head of the Department (Signature with Seal)

Title of the Company

Annexure-II

Address

How many training sessions were organized during last three years:

Description	2017-18	2018-19	2019-20
Technical			
Non-Technical			
Skilled			
Total			

Name of the Applicant & Signature

Head of the Department

(Signature with seal)

Title of the Company

Annexure-III

Address

How many Employees were Recruited/Left in the last three years:

A- Recruited			B- Left			C - Reason for leaving the Organization yearwise				
Description	2017-18	2018-19	2019-20	2017-18	2018-19	2019-20	Reasons	2017-18	2018-19	2019-20
Skilled							Better prospects			
Un-Skilled							Higher studies			
Office Managerial Staff							Personal reasons			
Sr. Managerial & above							Health reasons			
Contractual							Disciplinary action, If any			
Total							Total			

Note: Year wise total No. B-Column & C - Column should be match.

Name of the Applicant & Signature

Head of the Department (Signature with Seal)

NATIONAL PETROCHEMICALS AWARDS

CERTIFICATE OF UNDERTAKING

Category:

Title of Innovation:

I / We have read and fully understood the terms and conditions & the eligibility criteria and fulfill the same. I / We also understand that mere fulfillment of eligibility criteria does not entitle me / us for the award. Further, the information provided by me / us is true and correct to the best of my / our knowledge and beliefs. If any information provided above is found incorrect/ false application may be summarily rejected without giving any reason.

Signature of the Applicant with date

Name:

Mobile No.:

Email ID:

Signature of the Head & Seal

Name:

Mobile No.:

Email ID: