

Achievements of Department of Chemicals and Petrochemicals in the last four years

1. Petroleum, Chemical and Petrochemical Investment Regions (PCPIRs)

- In order to attract investment and for generation of employment, Petroleum, Chemical and Petrochemical Investment Regions (PCPIRs) policy has been under implementation.
- PCPIRs will promote the Petroleum, Chemical and Petrochemical sectors in an integrated and environmental friendly manner on a large scale. PCPIRs are envisioned with high-class and common infrastructure and support services to provide a competitive environment conducive for setting up businesses.
- At present, PCPIRs are being set up in the four coastal States of Gujarat (Dahej), Andhra Pradesh (Vishakhapatnam), Odisha (Paradeep) and Tamil Nadu (Cuddalore and Nagapattinam).
- 4 PCPIRs have so far attracted investment of about Rs. 1.83 lakh crore and have generated 2.93 lakh jobs. These regions have the potential for an investment of Rs. 7.6 lakh crore and generate employment for around 33 lakh persons.
- An Indian Oil Corporation Refinery with a capacity of 15 Million Metric Tonnes Per Annum at Paradeep, Odisha Investment Region was dedicated to the nation by the Hon'ble Prime Minister in February, 2016. This will act as the Anchor Unit for other industries.
- OPaL (ONGC Petro additions Limited), a multi feed cracker, with a capacity of 1.1 MMTPA has been dedicated to the Nation by Hon'ble Prime Minister on 07.03.2017.

2. Skill Training

- After formation of new Government, Minister, Chemicals & Fertilizers reviewed skill development activities and skill requirement in the sector and formed a Coordination Committee of stakeholders to assess skill manpower requirement of Polymer and Plastics sectors during the next 10 years. As per the assessment, 1.16 million additional skilled manpower will be required till 2024-25.
- In order to achieve this target, there has been significant expansion of CIPET centres and diversification in its activities by introduction of new programs to meet industry's requirements.
- 05 centres have already been set up in Baddi (Himachal Pradesh), Gwalior (Madhya Pradesh), Raipur (Chhattisgarh), Vijayawada (Andhra Pradesh) and Valsad (Gujarat), from which around 20,000 small, medium and large plastics and allied industries will be benefited from technology services of CIPET.
- A total of 11 new centres of CIPET have been approved taking the total number from 28 to 39.

- Out of these 11 centres, skill training and technology support services have been started at Ranchi (Jharkhand), Chandrapur (Maharashtra) and Agartala (Tripura).
- Government has also approved a new R&D Centre viz. Advanced Polymer Design and Development Research Laboratory (APDDRL) of CIPET which is being established at Bengaluru at a project cost of Rs.87.00 crore. The centre will be equipped with sophisticated plastic testing and R&D equipment to cater to the Research & Development needs of the plastics and allied industries.
- CIPET provided skill training to around 2.40 lakh persons during last four years, out of which around 81000 were provided placement linked training.
- 36 Skill training courses on petrochemicals have been aligned with National Skill Qualification Framework (NSQF) based on National Policy on Skill Development and Entrepreneurship.

3. Technology Support Services and Research & Development

- In line with “Make in India” initiative, CIPET contributes significantly in promoting the plastic industries through Technology Support services in all the key sectors of Indian Economy.
- CIPET, through 32 Centres, has extended a strong helping hand to industry by providing technology support through around 2.40 lakh job works / assignments for various industries in the sector.
- CIPET has tied-up with industries / institutions for indigenization of technology and R&D with focus on “Make In India”. CIPET has developed innovative health-care technology for continuous monitoring of ECG, pulse rate, body temperature etc. with online integration. During last three years, 90 papers / publications and 3 patents have been filed.

4. Job Creation in Petrochemical Sector

| S. No. | Projects/schemes | Number of additional jobs created | | Sector impacting the GDP |
|--------|---|-----------------------------------|-------------------|--------------------------|
| 1. | Enhancing the capabilities in academic activities and skill development at CIPET Centers. | 2014-15 to 2017-18 | 81,000* (approx.) | Petrochemical Sector |
| 2. | Petroleum, Chemical and Petrochemical Investment Regions (PCPIRs) | 2014-15 to 2017-18 | 71,331** | Petrochemical Sector |

* No. of persons trained through placement linked skilling programmes.

** As per the reports received from 4 PCPIR states i.e. Gujarat, Andhra Pradesh, Odisha and Tamil Nadu.

5. Assam Gas Cracker Project

- The Assam Gas Cracker Project (AGCP) was commissioned on 2nd January 2016 and dedicated to the nation by Hon'ble Prime Minister of India, Shri Narendra Modi on 5th February 2016 at BCPL Complex, Lepetkata, Dibrugarh.
- Government of India has invested about Rs.10,000 crore in the project.
- The Brahmaputra Cracker and Polymer Limited (BCPL) a Central Public Sector Enterprise under the Department of Chemicals & Petrochemicals is implementing the prestigious Assam Gas Cracker Project. Employment generation for around one lakh persons is expected through setting up of a number of downstream plastic processing industries & ancillaries in the North Eastern Region.
- BCPL has a production capacity of 2,20,000 tons per annum (TPA) of Polyethylene and 60,000 TPA of Polypropylene, along with other by-products. Natural Gas and Naphtha is the feed stocks.
- The objective of the project was overall Socio-Economic Development of the North Eastern Region.
- The project has generated direct employment for around 700 persons in the Plant and indirect employment for around 2000-2500 inside the project complex.

6. Scheme for setting up of Plastic Parks-status

To develop state-of-the-art infrastructure & enabling common facilities for Plastic Parks, Govt. of India provides grant funding up to 50% of the project cost not exceeding Rs. 40 crore per project. 10 Plastic Parks costing Rs. 405 crore were approved for implementation by 2020 of which 4 are under implementation in Assam (Tinsukia), Odisha (Siju in Jagatsinghpur), Madhya Pradesh (Tamot in Raisen) and Tamil Nadu (Ponneri Taluk Thiruvalluvar District). Nearly Rs. 90 crore has been released by Gol. DPRs are yet to be approved in respect of the remaining 6 Plastic Parks.

7. Make in India

Department has issued Public Procurement (Preference to Make in India) Order, 2017 for six chemicals viz Soda Ash, Caustic Soda, Aluminum Fluoride, Carbon Black, Formaldehyde and Chlorine.

8. Raising the standards of Chemicals

In order to protect environment, health and safety revised quality BIS standards IS 252:2013 for Caustic Soda has been made mandatory for both domestic production and imports, vide notification dated 03-April-2018. This is the first ever Technical Regulation for any chemical, which will also act as Technical Barrier to Trade (TBT) to protect the high quality domestic manufacturers against sub-standard imports.

9. Unlocking the vast land resources and stopping wastage of resources on unviable PSUs.

A restructuring plan HOCL, a sick company, has been approved by the Government on 17.05.2017. Implementation of the restructuring plan will enable HOCL to close down the operations at Rasayani Unit while transferring the strategically important N204 plant to ISRO to ensure continuity of manufacture and supply of N204 for ISRO's space programme. Interest and welfare of employees will be addressed by payment of all their outstanding salary dues. Disposal of land assets, initially through sale of 442 acres land to BPCL and subsequently of the remaining unencumbered land, will unlock the land assets for being redeployed for economically productive investments and thereby creating new employment generation opportunities.
