



The Development of Chemical and Petrochemicals Industry in Gujarat

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ABSTRACT

Gujarat's Chemical and Petrochemicals Industries are the fastest growing sector in the State's economy. Chemical and petrochemical in the main study of industrial development in Gujarat according for 60 per cent of the total industrial production in 2004-05. Established industrial base for a wide variety of chemical's and petrochemicals, accounting more than 21 per cent of India's chemical output in 2004-05. Recently manufacturing of chemicals and petrochemicals contributes to 52 per cent of capital investment in industry and 29 per cent of employment in industry in Gujarat.

Chemical and petrochemical is 23.60 per cent and refined petroleum products is in 12.20 per cent in Gujarat. Basic chemical industry is in Gujarat 10.60 per cent. There are many parts in rubber and plastics, dyes & Inter mediates, Agro Chemical and Pharmaceuticals has been total production with 12.65 per cent in Gujarat. There are many company of petro chemical and chemical in Gujarat like GSFC, GNFC Aarti group, IPCL and Deepak Nitrite.

Chemical and petro chemical in Gujarat 23.60 per cent. Refined petroleum Products in 12.20 per cent in Gujarat. Basic chemical in Gujarat 10.60 per cent. There are many parts in Rubber and Plastics Dyes and inter mediates Agrochemicals and pharmaceuticals in total production in 12.65 per cent.

The total investment and employment have been Rs. 13412 Cr. and 15.2 thousand in Gujarat State.

Keywords :

Introduction:

Chemicals and petrochemical including petroleum is the mainstay of industrial development in Gujarat accounting for 60.3 percent of the total industrial production in 2004-05. Established industrial base for a wide variety of chemical's and petrochemicals, accounting more than 21 percent of India's chemical output 2004-05. Recently manufacturing of chemical and petrochemicals contributes to 52 per cent of capital investment in industry and 29 per cent of employment in industry in Gujarat. Bulk of exports of Industrial products go to markets such as USA, EUROPE and other developed nations a clear sign of the global competitiveness.

The main production of these industries are chemicals & petrochemicals products, petroleum products and basic chemical products. These products are together accounted more than 40 percent of total Chemical and Petro Chemical Production. Among these production Chemical and Petro Chemical share is higher with 24 percent.

Chemical and Petro Chemical Production

Gujarat state is very high product by chemical and Petro Chemical among different state of India. There are many types of chemical and Petro Chemical Industries. India and Gujarat Share contribution by hear.

Gujarat Chemical and Petro Chemical Production

Gujarat chemical and Petro Chemical Production	Gujarat	In India Share of Gujarat	
Chemical & Petro Chemical	23.60	75.5	31%
Refined petroleum products	12.20	32.1	38%
Basic Chemical	10.60	35.6	30%
Rubber & Plastics	0.80	7.9	10%
Dyes and Inter mediates	0.80	1.5	50%
Agro chemicals	0.25	0.6	40%
Pharmaceuticals	3.60	8.00	45%

Among the different chemical and petro chemical production the share of Dyes and Inter mediates was highest with 50

percent and pharmaceuticals was second with 45 percent in India.

Contribution of Gujarat at National Level

There contribution of Gujarat has been in India remarkable Soda-ash share of Gujarat was 100 percent. Caustic soda was 41 per cent, Nitrogenous fertilizers has 20 per cent, phosphatic fertilizers has 38 per cent and salt was 85 percent, Ethylene has 50 per cent and polymers has share of Gujarat.

Gujarat's Share in methanol has 37 percent, acetic acid has 50 percent, lab 37 percent and fuelminerals has been lowest share in 9 percent.

Hot Beds for Leading Players.

Gujarat State was Anchor Industries hear Prominent PSUs Such as, GSFC, GNFC and GACL with diversified chemical, Petro Chemical and Fertilizers Product Port polio and a combined turnover of over USD 1.3 billion.

Reliance: State of the art facilities with 27 million tones per annum 540,000 barrels per petroleum Refinery at Jamnagar with a capacity per day. Other key investors has BASF, Bayer, Dupont, GE Plastics, Heubach, IPCL, Cibaspeciality, Atul, AartiGroup, Huber, Cheminova, IFFCO, KRIBHCO, Birla Copper, Deepak Nitrite, United Phosphorous, Bilag, Shriram chemicals etc.

Flourishing chemicals and petro chemical industry

With three cracker complexes Gujarat has a total capacity of 1180 KTA. There is an increase in the capacity build up in the state. Further, the state has the highest share of Polymer production in the country.

The major driver for the growth of chemical and petrochemicals industry in the state has been the availability of feed stock. Gujarat has a total of over 1230 KTA of ethylene capacity and 1475KTA of propylene capacity respectively.

Petrochemicals: Polymer Industry

Company	Location	Polymer	Capacity (KTA)
RIL	Jamnagar/Hazira	PP PP/PE/PVC/PET	1030 1080
IPCL	Baroda Gandhar	PP/PE/PVC PE/PVC	295 405
BASF	Gandhar	GP/PS/HIPS	90
Lanxess ABS LTD	Baroda	ABS/SAN	92
GE	Baroda	Engineering Plastics	12
GSFC	Baroda	PA, PMMA	7
Gharda Chemicals	Panoli	PSu/Family/ PEEK	2.2

There are many Petro Chemical and polymer industry in Gujarat State.

Petro Chemical and chemical in like this GSFC, GNFC, Aarti group, IPCL, Deepak Nitrite etc., There are also company key products by hear GSFC has a production is caprolactum, Methyl Ethyl ketoxime, melamine, Anhydrous Ammonia, Nylon6, Urea, Ammonium Sulphate, Sulphuric acid and Bio-fertilisers GNFC has Urea, calcium Ammonium nitrate, Ammonium Nitro phosphate and sulphate, methanol, Acetic acid, Formic Acid, Methyl formate etc., key production in Gujarat state. Aarti group has been production by Nitro Benzene, Alkylated Anilines & Toluidines, Chloro phenols, Fluoro compounds, Agrochemicals, etc.

IPCL Company has Product by Benzene, Butadiene Butyl, Acrylate, methyl, orthoxylene etc. Deepak Nitrite key production has sodium nitrite and Nitrate, Agro-chemical intermediates, intermediates and dyes intermediates and fine and special chemicals etc.