



We create chemistry

# BASF in India

## Overview

At BASF, we create chemistry for a sustainable future. We combine economic success with environmental protection and social responsibility. Our portfolio is organized into five segments: Chemicals, Performance Products, Functional Materials & Solutions, Agricultural Solutions and Oil & Gas. BASF has successfully partnered India's progress for more than 126 years, with all global businesses maintaining a presence in India except for Oil & Gas.

Today, BASF India Limited<sup>1</sup>, the flagship company of BASF in India, is a public limited company with 73.33% of the shares held by BASF SE. BASF SE also holds 90% of BASF Catalysts India Pvt. Limited through its Group companies. BASF and its Group companies maintain key production sites at Dahej, Mangalore, Ankleshwar, Thane and Chennai<sup>2</sup>. The Mangalore site is BASF's largest manufacturing site in South Asia (in terms of area).

BASF maintains two R&D centers in India, in Mumbai and Mangalore, which are part of BASF's global technology platform.

## 2017 Facts & Figures<sup>3</sup>

- Number of companies: 4, including BASF India Limited, BASF Chemicals India Pvt. Ltd, Chemetall India Private Ltd. and BASF Catalysts (India) Pvt. Limited
- Number of production sites (Group Companies): 11
- Number of employees: 2,313
- Sales<sup>4</sup> of BASF Group Companies: approximately €1.3 billion

<sup>1</sup> Listed on the BSE Limited and National Stock Exchange of India Ltd.

<sup>2</sup> Part of BASF Catalysts India Pvt. Ltd.

<sup>3</sup> Globally consolidated companies (major companies and sites) only, as of December 31, 2017

<sup>4</sup> Sales also include sales to customers in Nepal, Afghanistan, and Maldives

## Production Sites in India

Name and location	Details
Dahej	<p>An integrated hub for Polyurethanes manufacturing, also housing production facilities for Care Chemicals and Polymer Dispersions for the Coatings and Paper businesses</p> <ul style="list-style-type: none"> <li>• Established in October 2014</li> <li>• Single largest BASF investment to date in India, at INR1,000 crores (approximately €150 million), for a greenfield project spread across 23.44 hectares</li> </ul>
Thane	<p>Engineering Plastics, Coolants, Polyurethanes, Textile &amp; Leather auxiliaries, Care Chemicals and Construction Chemicals</p> <ul style="list-style-type: none"> <li>• Spans 9.2 hectares</li> <li>• Established in 1966</li> <li>• Produces Engineering Plastics, Coolants, Polyurethanes, Textile &amp; Leather Auxiliaries, Care Chemicals and Construction Chemicals, serving key customers in the northern and western markets</li> <li>• ISO 9000, ISO 14000 and TS 16949 certified plants</li> </ul>
Mangalore	<p>Dyes, Polymer Dispersions, Coatings and Construction Chemicals</p> <ul style="list-style-type: none"> <li>• Covers an area of about 34.6 hectares, the site has been operational since 1996</li> <li>• BASF's largest manufacturing facility in South Asia (in terms of area)</li> <li>• Houses the Coatings Technical Support Lab, which offers technical and product development support to local and global customers</li> <li>• First manufacturing operation for fine chemical catalysts in Asia Pacific, established in 2013</li> <li>• ISO 14001 certified for its environmental management</li> </ul>

Ankleshwar	<p>Optical Brightening Agents, Imaging &amp; Colorant chemicals</p> <ul style="list-style-type: none"> <li>Established in 1996 (Part of BASF since the acquisition of Ciba and Diamond Dye Chem in 2010)</li> <li>Located in the largest chemicals industrial park in India (in the state of Gujarat)</li> <li>Both sites are certified with the ISO 14001 environmental management system and ISO 9001 quality management system</li> <li>Improved production footprint by upgrading existing facilities</li> </ul> <p>OBA (Optical Brightening Agent) site:</p> <ul style="list-style-type: none"> <li>Global supply hub for Tinopal® OBA used in paper making and home care products</li> </ul> <p>Imaging &amp; Colorant Chemicals site:</p> <ul style="list-style-type: none"> <li>Includes an export oriented unit and a global supply hub for Imaging and Colorant Chemicals</li> <li>Produces imaging product Pergafast® 201 for thermal paper applications, such as receipts, tickets and tags</li> <li>Produces a wide range of world-class paper dyes, Pergasol®, used in the manufacturing of all types of board and paper</li> </ul>
Chennai BASF (Catalysts India Pvt Limited)	<p>Automotive Catalysts</p> <ul style="list-style-type: none"> <li>In close proximity to major auto manufacturers clustered in Southern India</li> <li>Start-up of new production site with expanded capacity for mobile emission catalysts in Mahindra World City, in March 2017</li> </ul>
Turbhe, Nalagarh, Nellore & Kharagpur	<p>Construction Chemicals Systems &amp; Formulations</p> <ul style="list-style-type: none"> <li>Established Construction Technology Center in Turbhe in 2012, to support joint developmental activities with customers for new product applications and formulations</li> <li>Established in August 2014, Nellore is the largest construction chemicals site of BASF in India, producing standard and custom-made performance based concrete admixtures: from the MasterGlenium®, MasterPolyheed® and MasterRheobuild® range. Also produces construction systems such as MasterTile®, MasterSeal®, MasterTop®, and MasterEmaco®.</li> </ul>

<p>Pune &amp; Chennai (Chemetall India Pvt. Ltd.)</p>	<p>Industrial Coatings, Surface Treatment solutions</p> <ul style="list-style-type: none"> <li>• Pune plant was inaugurated in 2001</li> <li>• Technical center and corporate office are strategically located to serve the customers in automotive, aerospace and steel industries</li> <li>• Chennai plant was inaugurated in 2012</li> <li>• Located in RNAIPL Supplier Park</li> <li>• In close proximity to major auto manufacturers clustered in Eastern region of India</li> </ul>
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### Research and Development

- BASF has two R&D centers in India, in Mumbai and Mangalore, working closely with BASF's Global Technology Platform, as well as several technical labs which focus on developing sustainable solutions to meet current market demands based on customers' needs across sectors.
- In May 2015, BASF inaugurated an Agricultural Research Station in Lonikand near Pune. At the site, BASF focuses on global agricultural research on herbicides, fungicides, and insecticides, as well as on solutions that go beyond classical crop protection. The Agricultural Research Station is part of BASF's global research and development network.
- In March 2017, BASF inaugurated its Innovation Campus in Navi Mumbai. The Innovation Campus Mumbai is the second largest R&D site in Asia Pacific and will host global research activities and regional and local development activities. Development activities will serve BASF's Performance Chemicals, Care Chemicals, and Pigments & Dispersions businesses. By combining development activities with global research, the campus fosters exchange of know-how and ideas about latest technologies and methods, ensure access to state-of-the-art equipment, and create synergies. The site can accommodate up to 300 scientists in the future (approximately 120 as of the end of 2017).

### Community

#### Water, Sanitation and Hygiene ("WASH") Project

Working with local partners, BASF in India supports the global WASH initiative, first conceptualized by UNICEF, to improve water and sanitation services as well as basic hygiene practices.

- BASF installed two water treatment facilities near our site in Chennai, one in 2015 and the other in 2016. The water treatment facilities have a daily water processing capacity of 24,000 liters and serve more than 1,500 members.
- BASF builds or provides household toilets, a waste management system, community waste bins and household waste bins in villages near its Dahej production site.

- The company also conducts WASH education programs and menstrual hygiene awareness with four villages.
- To address the problem of poor toilet infrastructure in schools, BASF has constructed toilets and provided WASH training at schools in the city of Mangalore.

### **Education**

- BASF collaborated with two non-governmental organizations, STEM Learning and Leaf Society, to install two science labs at schools in Mangalore.
- To improve the teaching standards in schools, BASF installed two digital classrooms each at two schools in Dahej and Thane. The selected schools serve less privileged communities in the area.