

WASTE MINIMIZATION CIRCLE

Waste minimization in small scale industries

CLEANER PRODUCTION CASE STUDY IN FOOD PROCESSING UNIT

Name of Industry: Ashwin Vanaspati Industries Ltd.

Place: Vadodara, India

Study of focus area: To reduce/eliminate the excess energy consumption

Website: wmc.nic.in

Source of the case study: <http://wmc.nic.in/case-studies5.asp>

The screenshot displays the website interface for the Waste Minimisation Circle. At the top, there are logos for the Ministry of Environment and Forests, Government of India, and the Waste Minimisation Circle itself. The main navigation menu includes links for Home, About WMC, Waste Gallery, Video, and Contact. A search bar is located on the left side. The main content area is titled 'CASE-STUDIES' and features a dropdown menu for 'INDUSTRIAL SECTOR'. The selected case study is 'CLEANER PRODUCTION CASE STUDY REFINED EDIBLE OIL & VANASPATI MANUFACTURING'. The content is organized into sections: 1. INTRODUCTION, 2. PROCESS DESCRIPTION (with sub-sections: Requirement, Neutralisation, Bleaching, Hydrogenation, Post Neutralisation, Post Bleaching, Re-odorisation, Final filtration, Filling and chilling), 3. STUDY FOCUS AREAS, 4. CP OPPORTUNITIES THAT REDUCED ENVIRONMENTAL LOAD AND ACHIEVED ECONOMIC BENEFITS, and 5. POLLUTION STATUS BEFORE AND AFTER CP IMPLEMENTATION. The '1. INTRODUCTION' section is currently visible, starting with the text: 'This is a case of M/s. Ashwin Vanaspati Industries Ltd., located in Vadodara and engaged in production of vanaspathi & edible oil with a production capacity of 80T/day of vanaspathi and 20T/day of various types of refined oil. The unit has identified Cleaner production as a way to reduce their pollution load to ETP and conserve resources. This case study outlines the results of the study undertaken by them for zero...'