

## Award Recipient of the ENERGY STAR Challenge for Industry



Talegaon Powertrain  
General Motors Company  
MIDC Talegaon Ind. Area,  
Pune, Maharashtra - 410 507

The General Motors India (GMI) Talegaon Powertrain plant started operation on November 12, 2010. The plant is located in the MIDC Talegaon Industrial area, Pune, Maharashtra (India), and serves the engine requirements of GMI vehicles.

The plant is designed as a Flex4 powertrain engine (i.e. gas and diesel engines can be manufactured on the same machining/assembly lines). The manufacturing area of this plant is 20,000 square meters. The present capacity of the plant is 160 K units/year (Gas + Diesel) with expandable capacity to 240 K units/year, and the jobs per hour of the plant is 25.2. Current products manufactured at this plant include the 1.0 L xSDE, 1.2 L B-DOHC (Gas & LPG), 1.2 L B-DOHC (NGS), and 1.3 L SDE (NGS). All machineries have fully automatic features with an adjustable power saving mode when idle.

The chilled/process water, compressed air, plant air-conditioning, equipment's operating efficiencies, and equipment running time were reviewed and optimized throughout the plant. Through excellent energy management practices such as energy control on weekend/holiday/non-production day, controlling of energy on a day-to-day basis as per production & environmental requirements, and installation of VFD at relevant places helped the plant reduce its energy intensity by 28% from 2011 to 2013.

GMI has a corporate-wide energy conservation program, utilizing many practices from the BuGM (Best under General Motors) as well as the Energy Conservation Committee (ENCON) program, where ideas are brainstormed and initiatives are implemented. The management and personnel at the plant have shown enthusiastic involvement in the ENCON program, and have proven themselves to be at a high standard by achieving the ENERGY STAR Challenge for Industry.

For more information, contact:

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