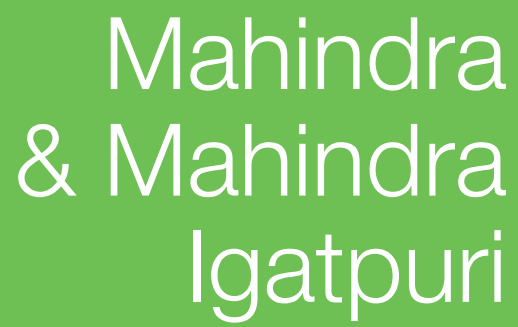


The logo for Mahindra & Mahindra, featuring the word "Mahindra" in a bold, red, sans-serif font, with the word "Rise." in a smaller, black, sans-serif font directly below it.

Mahindra
Rise.

The title "Mahindra & Mahindra Igatpuri" is centered within a large, solid green triangle. The text is in a white, sans-serif font. The background of the entire page is a teal color with a complex, repeating geometric pattern of nested, jagged lines that create a sense of depth and movement.

Mahindra
& Mahindra
Igatpuri



About the Company

Mahindra & Mahindra Ltd (M&M) is a leader in the tractor and utility vehicles space in India. The Igatpuri project is in Maharashtra. It is a manufacturing site for engines of the most popular cars of Mahindra such as the XUV500, Xylo, Scorpio, Bolero, and also other commercial vehicles such as the Genio and the Maxximo.

Risk

- ▶ M&M, Igatpuri operations are in the Western Ghats known for its rich biodiversity, heavy rains in the monsoon season and drought during winters and summer seasons. Project operations are heavily dependent on fresh water requirements from the Maharashtra Jeevan Prabhakaran dam.
- ▶ During winter and summer seasons, fresh water availability is crucial in the area due to its location at the hill top and low water holding capacity
- ▶ In critical months, water supply is prioritised for drinking and irrigation purposes and not supplied to commercial operations
- ▶ Downstream areas of the dam are dependent on water flow for aquatic life, floral and faunal community. In the years 2015, 2016 and 2017 due to drought in Maharashtra state M&M, Igatpuri had to buy water at a higher cost by tankers for continuing operations.

In the years 2015, 2016 and 2017 due to drought in Maharashtra state M&M, Igatpuri had to buy water at a higher cost by tankers for continuing operations.

All the vehicle assembling units are heavily dependent on M&M, Igatpuri as it is the only assembling unit for engines. Closure of operation would lead to subsequent closure of other units.

Mitigation measures

Igatpuri site has identified fresh water requirement as a risk to the operation. To address this risk, the site has undertaken the following initiatives since 2015. Total investment undertaken from 2015 for developing mitigation measures is INR 1.24 Crores.

- ▶ Training employees on behavioral changes for water consumption
- ▶ Adaptation technologies which require less water
- ▶ 100% green area covered under micro irrigation
- ▶ Increasing water storage in check dams and creation of new check dams within project boundary



Business case


- ▶ Adaptation of alternative mechanism helped M&M, Igatpuri in reducing the total water requirement by 60%. Sourcing water from Maharashtra Jeevan Prabhakaran dam was also reduced to 76% based on the 2015 level.
- ▶ Total cost invested in the water conservation initiatives is around INR 1.24 crores and till date around INR 0.42 crores have been saved on water bills.



Linkages with NBTs

Automobile manufacturing sector is at the heart of modern economies and plays a key role in India's economic development. The sector is mostly dependent on ecosystem services like fresh water availability, ambient temperature control and control of dust and pollution in the operational areas. Water availability is critical for operations and due to changing weather patterns along with depletion of ground table becoming a major risk for the company. Various initiatives implemented by M&M Igatpuri for minimising dependencies on fresh water requirement from the Maharashtra Jeevan Prabhakaran dam has helped in reducing the operational risk.

The initiatives of M&M Igatpuri support in meeting the requirements under National Biodiversity Target 2, by conservation of ecosystem services like fresh water and enhancing ground water table.

NBT	NBT	COMPOSITE INDICATOR	INITIATIVE BY M&M, IGATPURI
<p>2 Biodiversity Valuation & Poverty Alleviation</p> 	<p>By 2020, values of biodiversity are integrated in national and state planning processes, development programmes and poverty alleviation strategies.</p>	<p>Trends in integration of biodiversity and ecosystem service values into sectoral and development policies and programmes.</p>	<p>Minimisation of water risk and reducing operational risk.</p>