

MAHINDRA TWO WHEELERS LIMITED

Pithampur, Distt-Dhar (Madhya Pradesh)

Unit Profile

Mahindra Two Wheelers Limited (MTWL) is a part of the USD 16.9 billion Mahindra Group.

Like all Mahindra companies, MTWL is guided by the three tenets of Rise i.e., Accepting No Limits, Alternative Thinking and Driving Positive Change. With these three guiding principles, company has built a range of scooters and motorcycles that offer distinctive styling, solid performance, great mileage and superior ride quality on tough Indian roads. Company products are also packed with many consumer-inspired, new-to-market technological innovations such as Height Adjustable Seat, Anti-Theft Alarm with Engine Immobilizer, Find Me Lamps and Remote Flip Key among many others.

Company high performance and innovative products are a manifestation of the strong technological capabilities that have been developed at its highly advanced R&D Centre at Pune. It is equipped with state-of-the-art facilities to develop world-class products. Home to several talented engineers and designers, the Mahindra Two Wheelers R&D facility is headed by two-wheeler experts who lead various futuristic technology and product development projects.

All company products are manufactured at its state-of-the-art manufacturing unit in Pithampur, Madhya Pradesh.



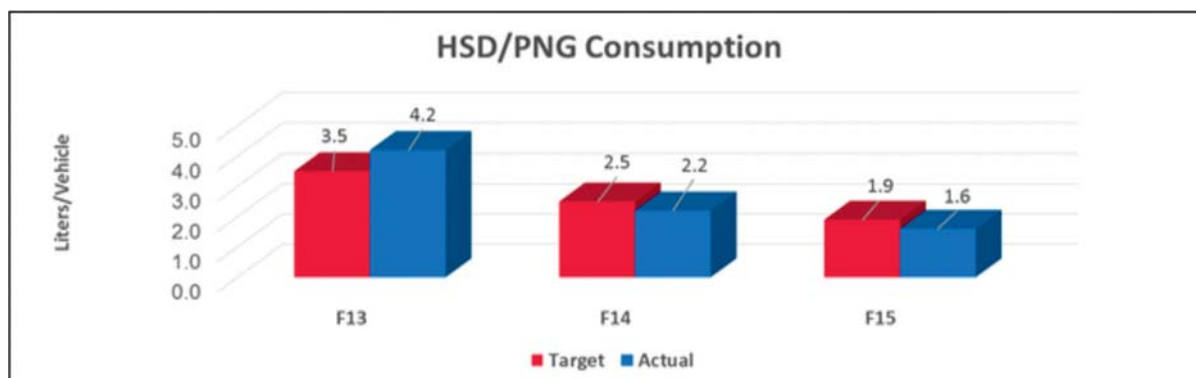
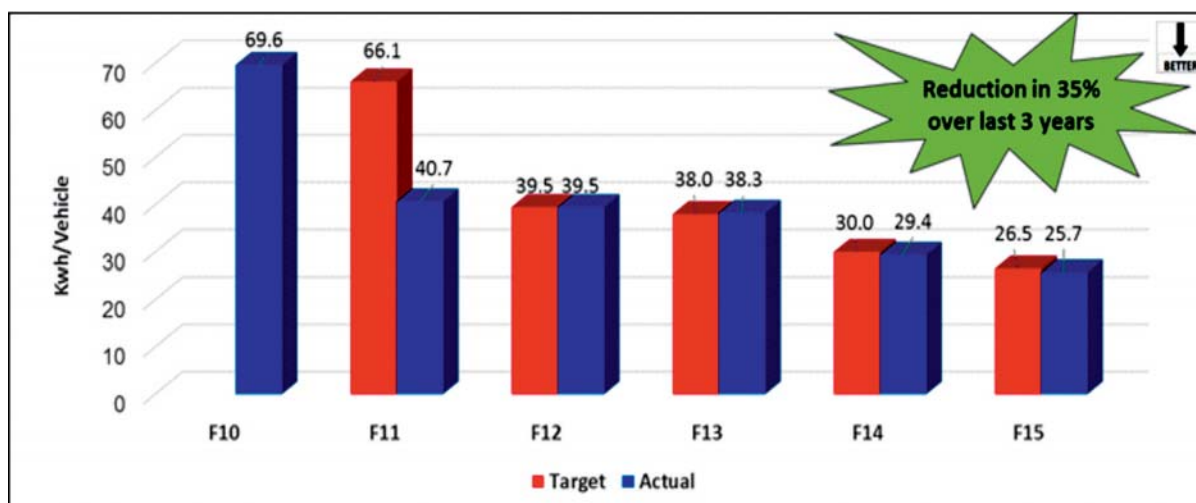
Energy Consumption

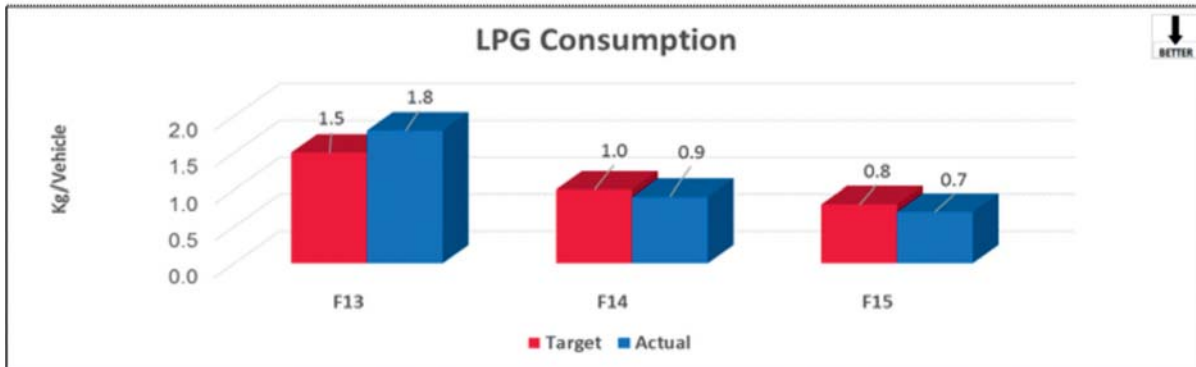
1. Electrical Energy Consumption:

S. No.	Particulars	Demand
1	Contract demand KVA	2000 KVA
2	Maximum demand	2060 KVA
3	Total Energy units consumed / day	20000 kWh/day (Approx)
4	Average Power Factor (P.F.)	0.99
5	Avg. Energy bills (Rs/month)	3000000

Energy Conservation

Energy is monitored in term of specific energy consumption per vehicle. An energy CFT is in place with members of each production unit head. On daily basis the production is converted specific kWh /veh with SAP record.





Energy Conservation Projects implemented in FY-15

S. N.	Improvement Project	Investment (Lac Rs)	Expected Saving Lac Rs. /Annum	Avg Saving kwh/Annum	Reduction in Co2 Emission Tone/Annum
9	Energy saving by installation of motion sensors in VP office & admin office.	0.01	0.12	2196	1.80
10	Reduction in power consumption from 4.78 kwh/veh to 4.15 kwh/veh by reducing rework.	0	6.47	34044	27.92
11	To eliminate the occurrence of damage of Bit & Socket by standardization its design as per application.	0	0.02	282.48	0.23
12	Reduction of power waste due to rejection by implementing 52 PCD cutting ring at Makino,	0	0.02	291	0.24

S. N.	Improvement Project	Investment (Lac Rs)	Expected Saving Lac Rs. /Annum	Avg Saving kwh/Annum	Reduction in Co2 Emission Tone/Annum
13	Reduction of power waste due to tool setting time by improving tool life by insert up gradation.	0	0.02	288.12	0.24
14	Reduction of power waste due to tool setting time by implementing CBN bit of 120 deg. At VS & VG cy. Head m/c.	0	0.26	3324	2.73
15	Reduction of power waste due to tool setting time by improving tool life by changing boring bar to combination PCD reamer.	0	0.03	384	0.31
16	Reduction of power waste due to tool setting time by implementing CBN bit of 60 deg. At VS & VG cy. Head m/c.	0	0.26	3324	2.73
Total		168	260	938706	769.7



ENERGY POLICY

MAHINDRA TWO WHEELERS LIMITED, PITHAMPUR

We at Mahindra Two Wheelers, Pithampur are committed to Sustainable Development, Business Excellence and Continual Improvement in all our functions for Energy Efficiency and Performance.

This will be accomplished by involvement of all concerned and emphasis on.

- Ensure Safe, Energy Efficient and Eco Friendly Operations.
- Collect & Disseminate the Best Practices, Techniques and Technology for our Use.
- Continual Improvement in Energy Efficiency and Performance.
- Compliance to all legal and Other Requirements and related codes and practices that apply to its Energy Use, Consumption and Efficiency.
- Strengthen the skills and competence of employees in ensuring the sound energy management and assuring availability of all information to accomplish the effective EnMs and this policy.
- Adopting and Promoting Energy Efficiency in Design and Procurement of products Equipment and Services.
- Develop competence amongst the Suppliers, Transporters and Service Providers in the areas of resource conservation, energy optimization and prevention of all potential incidents likely to impact the Energy Efficiency and Performance.
- Establishing very effective Monitoring, Measurement and Targeting System and reviewing baseline as and when necessary.
- Energy Management accountability at all levels Development of Initiatives and Innovations by developing Energy Policy Accomplishment Plans and related Objectives at all levels and Functions.
- Increased use of renewable energy sources wherever feasible.

We shall adopt proactive approach to develop & implement improvement plans leading to best in class Energy Performance.

Dated: 2nd April 2014

Vijay Tuli
Vice President (Operations) & Plant Head