

Kinetic Motor Company Limited, Pithampur

1. UNIT PROFILE



KMCL is a leading two wheeler manufacturer in India, which introduced the concept of gearless scooters in our country.


This company is a unit of Kinetic Engg. Group Pune, which is in the field of manufacturing of two wheelers ranging from 65cc Mopeds to 150cc Motorcycles. The group, has manufacturing facilities at Ahmed Nagar and Koregaon Bima in the state of Maharashtra also.

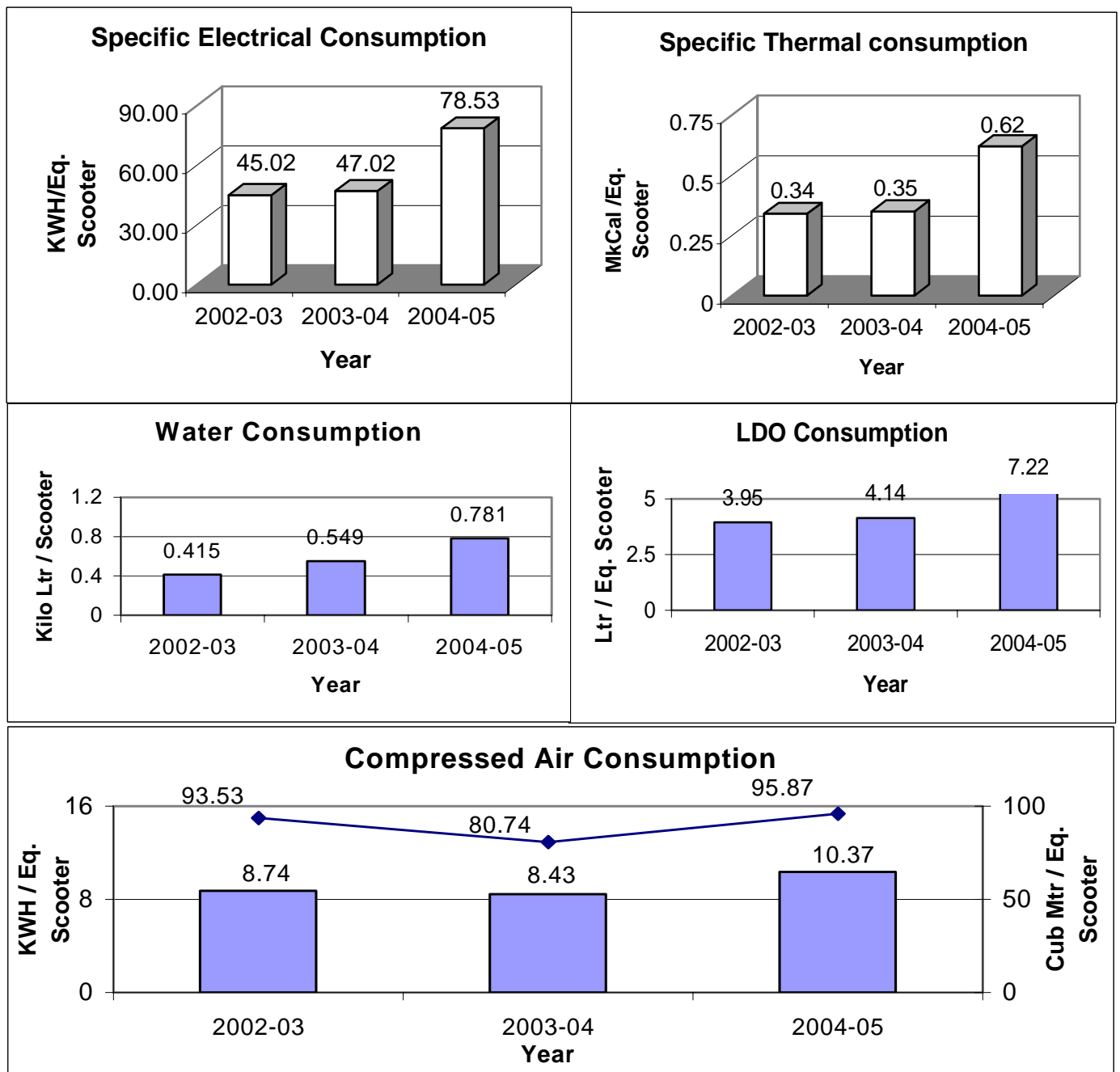
Pithampur unit manufactures the well-known KINETIC scooters viz. 4stroke NOVA 135, ZOOM 4S, ZING 80, ZING KINE and with the introduction of new amazing & animated range of ITALJET products MILLINUM & URO, which is a real marvel of a scooter. It has set to ride European and American streets.

The company is ISO 9001-2000 certified in 2002. The company exports a sizable No. of scooters to countries like U.S.A, Sri Lanka, Argentina, Mexico, Columbia, Turkey etc and has been receiving Export Excellence Award for 8 years in the past.

2. ENERGY CONSUMPTION

DESCRIPTION	UNIT	2002-03 (12 Months)	2003-04 (12 Months)	APR'2004~SEP'05 (18 Months)
Scooter production	Nos	131368	90433	77407
Electrical Energy	Kwh/Sc	45.02	47.41	78.53
Thermal Energy	Mkcal/Sc	0.34	0.35	0.62
Total mfg. Cost	Rs lacs	3000	1910	
Total energy cost	Rs lacs	353	273	415.73
Energy cost as %age of mfg. cost	%	11.74	14.29	

 **Note :** The financial year 2004~2005 extended for six months reports awaited.



3.ENERGY CONSERVATION –COMMITMENT, POLICY AND SET UP

AT KMCL energy conservation is a way of life and energy conservation activities were started right from the year 1992 and is being continued till date. We have a team of engineers and workmen who are always on the look out for possible energy saving.

This is in addition to their regular responsibilities, which are also effectively performed. The activities carried out in the past are a clear testimony of our commitment to and involvement in energy conservation. Our ECC is always developing & upgrading the awareness about energy saving among the employees by many ways like personal interaction at shop floors, through banners & posters, fixing slogans and also through internal mails.

As a result of early measures initiated by the company in water conservation and water harvesting the water consumption is maintained well within the target & no water is purchased from out side agencies other then Govt. supply.

4.ENERGY CONSERVATION ACHIEVEMENTS

Power Factor Improvement:

This year also the company is maintaining UNITY Power Factor of the plant and getting maximum incentive on it in the power bills. As a result of this the max demand is in control and did not exceed over 1575 Kva. Which has helped the company to get reduction in Contract Demand.

The details of substantial savings and investment are given in point No 16 in the Award Questionnaire.

Reduction in Contract Demand:

The contract demand before reduction was 2800 Kva, but the Max.Demand of the plant never exceeded above 1860 Kva which is less than 75% of contract demand for which we are paying unnecessarily in our H.T.bills.The revised tariff plan of MPERC, analysis & controlling of MD pattern motivated us to go for reduction in CD. As a result of this the max demand is in control and did not exceed over 1575 Kva, the company decided to reduce the CD by 700 Kva. The reduction in CD from 2800 Kva to 2100 Kva is permitted by MPSEB from 01st Jul'2004.The details of substantial savings are given in point No 16 in the Award Questionnaire.

Installation of translucent wire glasses:

In our main Scooter assly hall the daylight was insufficient and the persons working in these areas were used to keep "ON" the overhead lamps and the tube lights during day hours. Our ECC decided to get more output from low investment for the saving of energy in this area, total 30 nos.of wire glasses fixed in between the asbestos sheets and achieved the target. Now the use of HPMV lamps & tube lights in day hours is totally stopped. The details of savings and investments made are given in point No 16 in the Award Questionnaire.

Awareness campaign for Energy Conservation:

On 19th MAR'2005 the Company organized an awareness programme for school children on Energy Conservation methods & techniques adopted for EC.The programme was conducted under the guidelines of Bureau of Energy Efficiency, Govt of India, New Delhi.The students were also explained about efficient utilization of renewable & non renewable sources of energy and to adopt the energy saving methods in their daily life, which was followed by plant visit. The students' whole-heartedly took oath to start energy conservation practices immediately and assure to spread these messages among their friends & relatives.The detailed report is already submitted to BEE.

As we have already committed our ECC is also motivating & developing awareness among employees for the energy conservation through various slogans, display boards (prepared in house) and informal meetings on shop floor. As a result of that the efforts of the ECC of the KMCL appreciated by the BEE, Ministry of Power to our photos & pictures & declared on the web site as

" BEST PICTURE OF THE YEAR 2004"

The company is very proud of it and expresses our hearty gratitude, that it has given prominence to the renowned name of the organization on the screen of the global energy conservation hard slog. ECC assure to continue the same practices in future also.

5.ENERGY CONSERVATION PLANS AND TARGETS

The company intends to continue its efforts in the field of energy conservation and has a plan of phased replacement of low efficient equipments.

PLAN FOR YEAR 2005-06.

- There VVVF Drives to be installed in P.T. Line Rinsing Pumps – 2 No and Degreasing Pump 1 No in ABS Paint Shop.
- Conventional tube lights to be replaced with energy efficient ones 100 No.
- 400 W HPMV Lamps to be replaced with 250 W MH Lamps.
- Installation of solar heating system in place of electrical water heaters for Aluminum component washing machines, canteen and housing colony.
- Installation of translucent FRP sheets in Sub Assly / Stores hall and paint go down.
- To replace 'V' Belt drive with flat belt drives in fans and blowers. The reduction in power consumption is expected by 10 %.



