

Company Profile

Kennametal India Ltd is a leading manufacturer of hard metal, hard metal products and machine Tools and caters to the needs of auto and auto related industries, defence, general engineering, etc, and seeks to provide total manufacturing solutions to its customers

Products:

Insert



Milling Cutter



Dies



End Mill



MTB



The company employs about 950 people including skilled and semi skilled workers and has an annual turnover of about Rs 3901 Mi0.

Lean manufacturing practices are adopted to improve the efficiency, increase manufacturing velocity, shortening lead-time and improving the on time delivery. These efforts have enabled the Company to achieve higher output, improved productivity and reduced inventory.

The Manufacturing Practices are Environmental friendly, Ecologically Sound and the company has Cordial Industrial relations. Global quality control practices and process followed in the facility are designed to ensure that the product quality is consistently high.

The Company has been implementing the Energy Conservation Programs consistently to conserve the Energy.

In FY -08 the Energy Conservation Program was implemented by completing 5 major projects sustaining the Energy conservation efforts of earlier years



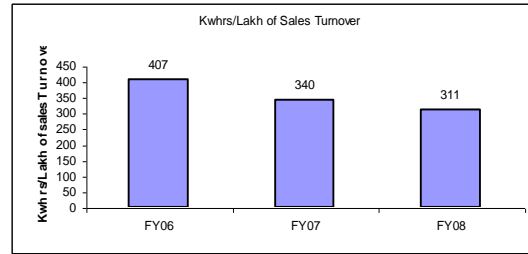
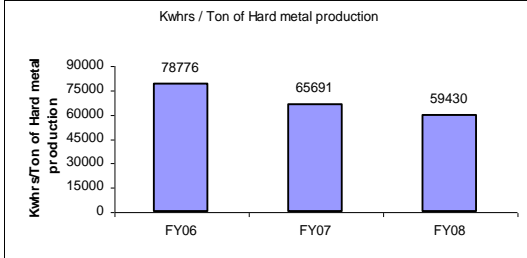
Kennametal Inc has launched Protecting Our Planet program in 2008, Globally with goals to

- Develop & execute a campaign to increase awareness & enrolment in the significance of resource conservation and its relationship to Kennametal's competitiveness & sustainability
- Drive achievements in energy conservation, waste reduction, water conservation and other environmentally responsible business practices that align with the value of responsible stewardship of resources

Kennametal India has launched the Protecting our planet Campaign in India on Jan-26 & has plans to conserve about 8.3Mio units of energy in FY09 by implementing various energy conservation measures .

Energy Consumption Data and Graphics

	FY06	FY07	FY08
Sales Turnover in Lakhs	32109	35723	39017.7
Hard metal production in Tons	166	185	204
Electrical cons. Lakh Kwhrs	130.69	121.53	121.23
Specific energy consumption			
Kwhrs / Ton of Hard metal production	78776	65691	59430
Kwhrs/Lakh of Sales Turnover	407	340	310.7



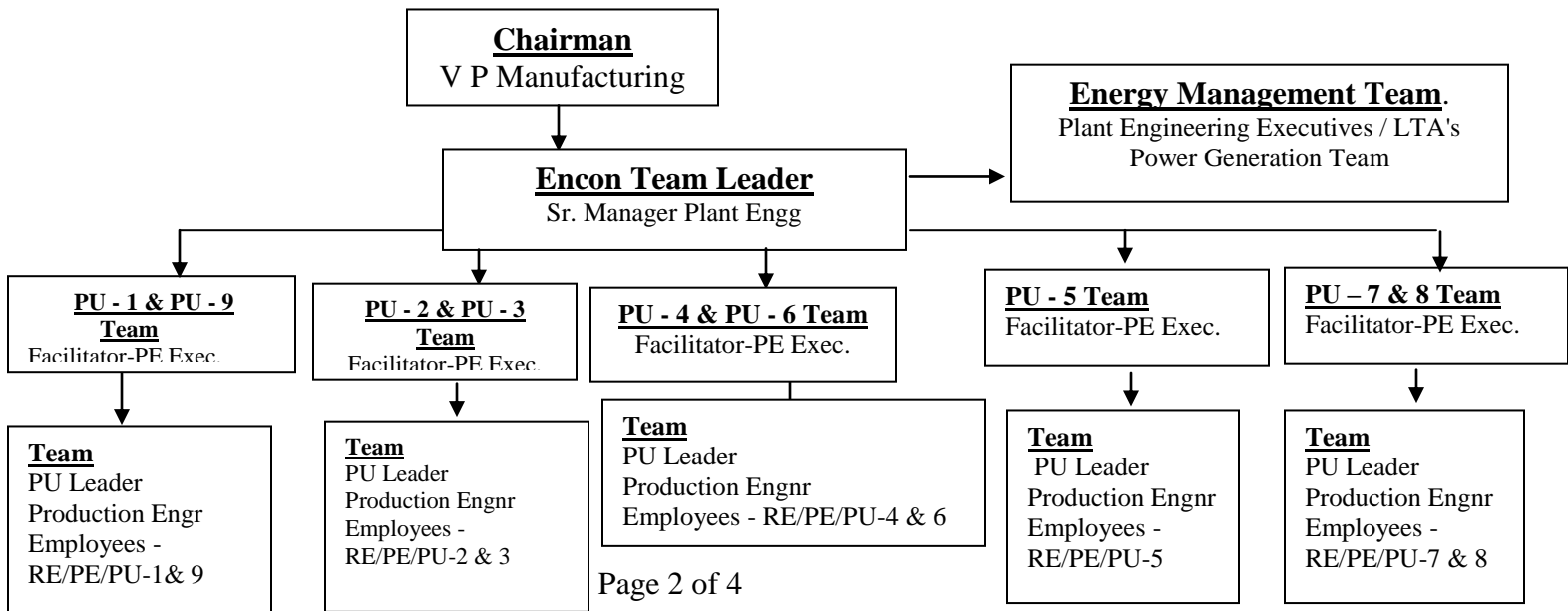
Energy Conservation Commitment, Policy and Organisational Set up

The Energy Conservation is considered at Kennametal India as a lean activity to eliminate the waste and all the Executives and Employees are committed in conserving the Energy. The Management has invested on Energy conservation activities & achieved/plans to achieve the savings as follows,

Year	Investments in Rs Mio	Annual Savings in Mio Kwhrs
FY 06	10.00	1.8
FY 07	5.00	1.7
FY 08	9.60	0.7
FY 09	14.13	0.8

The daily monitoring of the Energy consumed is monitored through an Energy Monitoring Data System and the information is shared with the PU Leaders for analysing and reviewing with their Team. The Senior Manager of Plant Engg along with PU leaders is responsible for conserving the Energy. The Executives of the Plant Engg dept facilitate in monitoring the PU wise Power consumption and review the same during monthly meeting with PU leaders and PU Team.

Energy Management Team organisation Structure is as below,





Energy Conservation achievements in FY -08

In FY –08 several Encon Projects were implemented & the savings from the major projects are summarized below

SI No	Encon Project	Investment in Rs	In Lakhs			Annual Savings in Rs
			Annual Energy Consumption in Kwhrs Before	Annual Energy Consumption in Kwhrs After	Annual Energy Consumption in Kwhrs Saving	
1	Energy efficient fans for ventilation plants	31.4	4.67	2.78	1.89	14.59
2	Improvements in street Lighting	6.00	0.94	0.25	0.69	5.34
3	Compressed Air distribution system Improvement	4.94	8.32	7.64	0.68	5.26
4	Improvements in shop floor Lighting	6.18	1.20	0.57	0.63	4.89
5	Upgradation of Centralised Cooling water system with Adiabatic cooling tower	47.11	7.59	3.94	3.65	28.23
	Total	95.63			7.53	58.31

In addition to the above savings

- The system load has been reduced by 250 KW.
- Furnace oil consumption has reduced by 188 Kl. In FY-08
- Proposed investment of Rs 10 Crore on new DG set to cater the additional load is deferred

Energy Conservation Plan for FY –09

SI No	Projects	Investment in Rs (Lakhs)	Annual Savings in Kwhrs (Lakhs)	Annual Savings in Rs (Lakhs)
1	Lighting improvement	10	0.78	6.07
2	Direct heating of process thermic fluid at Atomiser	2	0.36	2.79
3	Improvement in Dust collectors	48	0.17	1.34
4	Carburising furnace improvements	10	0.54	4.18
5	Water distribution system	2.55	0.61	4.74
6	Solar heating for canteen washing machine	2	0.12	0.93
7	VAM for DG HT Water for air conditioning at MTB & R,D&E	65	1.71	13.24
8	Process improvement	1.75	3.99	30.87
	TOTAL	141.3	8.29	64.15

Environment and Safety

The Manufacturing Practices of the Company are Environmental Friendly and Ecologically Sound. The Safety Procedures and Practices are complied in all the Operations.

The Designated Manager - EHS coordinates with functional Heads of various Departments and ensures the compliance of EHS norms.

The Company complies with the Legal and Statutory requirements and has Authorization / Permits as per Environmental Norms.

- ❖ The Waste Generated are collected separately, Stored and disposed off / Recycled as per Environmental norms. R and D Dept in FY06 developed a new process, which was approved by State Pollution Control Board to recycle the TC Scrap Powder.
- ❖ The Domestic Water is Treated in house 100m³ / Day Sewage Treatment Plant and treated water is used for Gardening.
- ❖ Rain Water Harvesting – The Facility has implemented various Projects like; Bore well Recharging, Soak Water Pits, Infiltration Wells, Ponds, constructed Underground tanks of 80 KL to harvest about 8 Mio Liters of Rain Water, thus making the facility self sufficient trade Effluents are sent to PCB approved vendors for Disposal
- ❖ The Stacks and Air Pollution Control Devices are provided as per PCB norms and performances are monitored periodically.

Safety and Health

- ❖ The working environment in the facility ensure Safe and Healthy conditions. The PPE s (personnel protection Equipments) are provided. The safety eyewear are provided to all the Workmen, contractor and Visitors.
- ❖ The Annual medical Health Check up of the Employees is done to monitor the Employee Health.
- ❖ The Fire Alarm, Detection and Fire Suppression Systems helps in monitoring the Workplace.
- ❖ The Risk Audit, Safety Audit and recording Near Miss accidents help in sustaining the safe working Environment.
- ❖ The Facility has been Land scaped with Lawns, Gardens and Trees.

The Company's efforts have been recognized & has received the following Awards in FY04~FY07.

1. **Kennametal Presidential Award for Environment** - For Encon Project.
2. **Kennametal Excellence Award for Safety & Health** - For Powder Handling
3. **CII Leadership & Excellence Award in SHE- 2005**
4. **Parisara Mitra** – Instituted by Karnataka Environmental protection Institute. Bangalore.
5. **Outstanding Gardens and Lawns** - Instituted by Mysore Horticultural Society, Lalbagh.
6. **Samman Patra** - For outstanding Central Excise revenue performance during the FY05.
7. **CII Leadership & Excellence Award in SHE- 2006**
8. **Best Safe Industry (Large) Award. –2006** –Directorate of Factories & Boilers
9. **State Level Energy Conservation award 2006** – Govt. of Karnataka/KREDL
10. **National Energy Conservation Award 2007(1 prize)** - Bureau of Energy Efficiency
- 11 **Best Safe Industry (Large) Award. - 2007** - Directorate of Factories & Boilers