



A **SARATOGA** USA
GROUP COMPANY



Corporate Citizenship

CEMA Electric Lighting Products India Pvt. Ltd.



Licensed
Products



Environmental Policy

prithiveem ma himseeh
antariksham ma himseeh
mapo maushadheer himseeh
- Yajurveda

(Ancient Indian Text)

Do not harm the waters, vegetation,
& environment

CEMA is in the business of lighting and we operate our business with a view to reduce the environmental impact through innovation of our products and excellence of our processes.

- CEMA respects Environment, Health and Safety issues of employees, clients, vendors and society at large
- The Company will set, monitor, and review objectives and targets related to environment management
- CEMA is committed to comply with all current applicable environmental and related regulations and where appropriate, exceed the prescribed standards
- CEMA is committed to improving the energy efficiency of its products and promoting use of energy efficient lighting technologies

Lamp Recycling

CEMA Limbasi factory recycles mercury contaminated lamp manufacturing waste using state-of-the-art fully automatic system from MRT Sweden



The Fluorescent Lamp Recycling, Mercurecycling, is a unique initiative by CEMA Electric Lighting wherein state-of-the-art technology, developed by MRT System, Sweden, is used to recycle the mercury bearing fluorescent lamp waste from our manufacturing operation in a perfectly environmentally sound manner

The operation uses the MRT Compact Crush and Separation system that is fully automatic and easy to operate. Its versatility allows the processing of various types and sizes of fluorescent lamps, with a speed of 2000 lamps/hr, separating the lamp into soda lime glass, aluminum end caps, lead glass/Ferro metal components and phosphor powder. For more on MRT visit: <http://www.mrtsystem.com>

At CEMA we have been actively engaged in promoting the safe management of mercury throughout its usage cycle within the manufacturing operation during storage, usage and disposal. Therefore, all the mercury bearing waste resulting out of our manufacturing operation is treated, recycled and disposed using the best available technology.

Energy Efficiency

CEMA is committed to improving the energy efficiency of its products and promoting use of energy efficient lighting technologies



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The Bureau of Energy Efficiency is a statutory body under the Ministry of Power, Government of India, established under the provisions of Energy Conservation Act, 2001 to promote energy efficiency in the country. BEE introduced the Star Rating program for various electrical products as a means of communication of the energy efficiency.

CEMA is actively participating in the Bureau of Energy Efficiency Star Rating program presently introduced for the fluorescent tubular lamps. The products that have qualified for the star rating are:

- CEMA Energy Saver T8 Fluorescent Tubular Lamp (3 Star rated)
- GE Slender T8 Fluorescent Tubular Lamp (3 Star rated)

Some of our Energy savers



T5 Fluorescent Lamp and Batons



FTL Electronic Ballast



Compact Fluorescent Lamps

Mercury Management

The mercury management program followed at CEMA Limbasi has 8 elements including exposure assessment and monitoring

The mercury management program followed at CEMA Limbasi goes beyond the requirements of the Indian legal requirements and has been studied by the Central Pollution Control Board, India, as a best practice in the lamp industry.

Elements

The program has 8 elements including exposure assessment and monitoring. Qualitative Exposure Assessments are an essential tool for predicting the potential exposure of an employee; quantitative air and biological monitoring are used to evaluate the actual exposure for a worker and are used as key indicators to the plant's compliance with the Mercury Management Program.

Engineering Controls

Engineering controls such as Local Exhaust Ventilators (LEV), use of Respiratory Protective Equipment, regular maintenance activity and stringent waste handling norms are other aspects of the program.

Secure Landfill

Mercury contaminated waste from the manufacturing operation is collected separately and sent to a government authorized facility for incineration or secured landfill after solidification and stabilization.

For more details regarding our Citizenship activities
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