PROCESS TECHNOLOGY FOR SEPARATION OF GLASS AND PHOSPHUR FROM WASTE CFL'S

INTRODUCTION

Fluorescent phosphor is coated on glass tubes which are filled by mercury vapors to make fluorescent lamps. The present technology enables complete recycling of these lamps. Metallic components, Glass and phosphor powder can be very easily separated.

PROCESS SPECIFICATIONS

- Processing Time: 15 minutes
- Use of Simple organic solvents
- Energy Efficient process

APPLICATIONS

- Process can be applied to waste CFLs, night glowing toys, tube lights and spent LED

ADVANTAGES

- Chemical Industry, Recycling Industry, Toys Manufacturers, LED Manufacturers.
- Complete Recycling of Waste CFLs and Tube lights.
- Recovery of Glass and Phosphor Material.

SCALE OF DEVELOPMENT: Technology Licensed awaiting commercialisation.



