

Waste Minimisation And Utilisation Initiatives

Raghuveer.S

ABSTRACT

Many environmental problems arise from the deliberate or inadvertent abuse, misuse and over use of natural resources by human beings. In the past, changes were always slow, but this is no longer true. Industrial activities have drastically increased the pace at which changes in the environment are taking place. ITC Ltd., PSPD, Unit: Bhadrachalam, is the largest paperboard manufacturing unit in South Asia. Growth and Development in Harmony with Environment has always been the approach of this Mill. This mill has already implemented the latest Cleaner Technology in pulp bleaching and the first in the country to adopt Elemental Chlorine Free (ECF) and Ozone pulp bleaching. Today, it has also achieved the status of “**Zero Solid Waste Generation**” by adopting the four principles such as, **Reduce , Reuse , Recycle and Recover**. In any Paper mill, its emissions include, Waste water and Solid wastes of both inorganic and organic in nature. At this mill, the Waste water generation is minimised by effective recycling, treating them beyond the norms and utilising it for crop irrigation. Thus providing irrigation facility throughout the year to near by agricultural fields and at the same time avoiding pollution in the receiving waters. The solid waste such as flyash from steam boilers are totally given to manufacture environment friendly bricks .The fiber waste generated is utilised to manufacture low grade boards and the chipper dust along with wood waste is given to near by mini power plants. The total solid waste is utilised as raw material for the other industries and also generating employment to the rural mass.

ITC Ltd.-PSPD

Unit: Bhadarachalam.

Village: Sarapaka-507128

Dist. Khamman (A.P.)