

## **LIME KILN DUST (LKD)**

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### **ABSTRACT**

Most people are environmentalists: they want clean air and water their families and friends. Industrialists are faced with the task of achieving a clean environment in a cost effective way while producing necessary chemicals such as lime. Lime is one of the most important chemicals such as lime. Lime is one of the most important chemicals used to reduce pollution. The production of lime is an intense process where limestone rock is heated to high temperatures by burning fossil fuels [1].

This process emits the products of combustion, moisture and dust. The waste gases from the process are usually filtered through fabric dust collectors tom remove dust. The important concerns when purchasing fabric filter bag collectors are emission regulations, capital cost and operating cost .

It is very interesting how, over the years, the predominate uses of lime have changed. Just several years ago the steel industry was demanding research on better ways to manufacture lime to meet their needs in the newer basic oxygen furnaces, Steel went its way, but now environmental stresses are at the forefront and industry is seeking innovative ways to protect the world. Of course, lime is playing a very important role in the clean up of air, land, and water. As time moves on, the age old chemical, lime, remains a major factor in the life of man .