

High Volume Fly-Ash Gypsum Composite Plaster

Societal Impact

- i) The technology will help to utilize high volume of fly ash- a by-product of coal based thermal power plants. It will solve the problems of its disposal.
- ii) It will help in recycling and reusing industrial waste and by-products helps to conserve energy and environmental resources.
- iii) This will reduce the landfill space requirement.
- iv) This will help in saving the air, land and underground water from getting polluted.
- v) This will provide a better ambient air quality for the living beings and save them from pulmonary diseases.
- vi) This will provide a low cost green plaster to the society. It will reduce the energy requirement and saving of natural resources like coal, lime stone etc. in manufacturing of cement.
- vii) Thus it will reduce the carbon foot print generated in the manufacturing of cement.
- viii) It is a sound resistant and fire proof plaster with low thermal conductivity due to use of gypsum.
- ix) It can be use for internal as well as external plastering purpose as an alternative to cement plaster.