

Development of Technology For Use of Fly Ash As An Alternate Material In Pavement Construction Through Accelerated Pavement Testing

The objectives of the project are:

- Experimental design of test pavement using selected fly ash waste in sub-base/base and construction of test strips within CRRI.
- Semi-field performance evaluation of pavement constructed using these materials using APTF
- Development of design guidelines on their

Activities involved

Basics : Assessing the basic engineering properties and behaviour of the selected fly ash based sub- base/base course materials

Evaluation : To know the field performance under real life like traffic loads and drawing inferences on the utility of the fly ash based on analysis of observations and documenting

Application : Drawing Inferences on the utility of these materials based on analysis of observations and documenting

Design Specifications

The following conventional and alternate design specifications are proposed to be studied.

Material for laboratory evaluation of aggregate base has been procured and basic tests initiated. Required fly ash sample is available and basic evaluation is in progress. Evaluation tests on cement has been initiated