

# **CERTIFICATE**

It is certified that the work contained in the thesis titled **Applications of Rice Straw Ash in Rigid Pavements** by **Arunabh Pandey** has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.

It is further certified that the student has fulfilled all the requirements of Comprehensive Examination, Candidacy and SOTA for the award of Ph.D. Degree.

Supervisor

**Dr. Brind Kumar**

Associate Professor

Department of Civil Engineering

IIT (BHU) - Varanasi - 221005