CONGESTION MANAGEMENT WITH SOCIAL WELFARE IN DEREGULATED **POWER SYSTEM**



THESIS SUBMITTED FOR THE AWARD OF THE DEGREE OF

Doctor of Philosophy

in

Electrical Engineering

By **Brijesh Singh**

Co-Supervisor Prof. R. Mahanty

Supervisor Prof. S. P. Singh

DEPARTMENT OF ELECTRICAL ENGINEERING INDIAN INSTITUTE OF TECHNOLOGY (Banaras Hindu University) Varanasi -221005 India

Enroll. No. 317885

April 2014 Roll No. 09604EN005