

## **International Workshop on Emerging ITS Technologies**

Technology has been driving the developments in the realm of transportation from the times of Industrial Revolution to the present day Digital Revolution. Transportation is a major force behind economic development and the well being of people around the world. Despite the huge expenditure on capacity augmentation, traffic congestion continues to rise and road safety and environmental conditions have deteriorated as the traffic operations are not managed well. As such, the traffic flows at national levels are growing at about 8 per cent per annum and to keep pace with this growth, it is essential to adopt refined levels of management of traffic operations. It goes without saying that these problems cannot be solved only by just building more roads and unless the operations on the existing road network are managed appropriately and optimally. It is obvious that innovative efforts are needed on a massive scale to cope with the management of traffic operations. Intelligent Transportation Systems (ITS) is one such option offering innovative and cost effective solutions for achieving maximum capacity out of the existing highway facilities thereby enhance traffic safety. While the developed countries like Japan have reaped major benefits through the deployment of ITS technologies, many developing countries have gainfully used ITS technologies to maximize the system outputs. Hence, it is essential that India should not lag behind in exploiting ITS options to improve the quality of traffic movement on the high speed highway corridors which are under development in the country.

The Workshop conducted at CRRRI 8.8.2005 specifically focused on the emerging ITS technologies which are in practice in the developed world which include USA and Japan. Eminent personalities from USA and ITS Japan have participated in the workshop and shares their experiences with the Indian counterparts. It is hoped that the experiences gained from this workshop can be gainfully utilized for the ongoing program under the Tenth Plan Network project titled **“Development and Evaluation of Intelligent Transport System (ITS) for Indian traffic conditions”** being implemented on experimental basis on selected road stretches / locations in Delhi.