



## HDM-4 COURSE AT CRRI - INDIA (4<sup>th</sup> – 15<sup>th</sup> October 2004)

Course Title	Using HDM-4 as Decision Support System in Planning, Programming and Economic Evaluation of Road Investment Projects
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### COURSE DETAILS

Central Road Research Institute, New Delhi shall conduct the course at CRRI, India on effective use of HDM-4 in Highway projects. Transport Infrastructure Division of the World Bank, Washington. PIARC, Transport Research Laboratory UK and Australian Road Research Board and other agencies recognize this programme and send observers and experts during the programme. Senior executives, economists and planners who are actively associated in road planning, construction and maintenance activities in their respective countries in the Asia-Pacific Region are recommended to take part in this course. First week programme is designed for developing sufficient background before using HDM-4. Senior executives and policy makers shall gain sufficient knowledge to guide juniors for execution of road projects using HDM-4. Second week programme is for development of operational expertise on HDM-4. This module is for junior level executives. However to learn second week, theoretical foundation of HDM-4 software will be required which shall be delivered in the first week. Experts on pavement design and maintenance, traffic engineering, economics of investment and management system of pavement shall provide theoretical foundation in relation to HDM-4 during the first week. Hands-on training shall be given during second week in five full working days. The objective of the programme is to explain HDM-4 to the participants about how, when and where to use this software especially for economic evaluation of pavement management projects.

The programme coverage shall be: History and Development of HDM-4, Pavement Management System, Software Installation,

HDM-4 Modelling Concepts, Basic Principles of Paved and Unpaved Road Maintenance and Improvement including Pavement Upgradation, Capacity Improvement, Bypass Construction etc. The programme also includes Strategy Analysis, Program Analysis, Economic Evaluation of Road Projects, and Calibration of Models. Sufficient time is allotted for Hands-on Sessions, demonstration and use of field data collection instruments (Optional). It may not be possible to accommodate more than 25 participants in this course. Therefore please send nominations and participation fee early. Details of course schedule and other information may be obtained from the course coordinator on request. Last date of sending nomination is 15<sup>th</sup> September 2004.

### COURSE FEE

For complete course, fee is US\$ 500. For SAARC countries, participation fee is US\$ 450 or INR Rs.22,500. For Indian participants course fee is INR 20,000. Those who would like to attend either of the first or second week course only, fee structure is US\$ 300, US\$ 250/INR-12500 for SAARC, INR-11500 for Indian participants respectively. Course fee may be deposited through Bank Draft in favour of Central Road Research Institute, New Delhi, India. It includes transport (transfer from airport to hotel) at the time of arrival and departure and daily transport between hotel and CRRI. Computer, E-mail, photocopying, stationary facility will be available. Lunch, tea/coffee during working days and course dinner are included in course fee. Training materials along with participants' work examples / projects will be supplied to the participants in a CD-ROM after the course. Supply of software is not a part of the training kit.

PIARC may directly be contacted for this.

[\[http://hdm4.piarc.org/\]](http://hdm4.piarc.org/)

**Send Your Nomination to:**

**Send Your Enquiries to:**

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### IMPORTANT INFORMATION

During October the temperature of New Delhi ranges from 20-30 degree Celsius and unlikely rainfall. Participants from outside India should reach New Delhi on or before 4<sup>th</sup> October 2004. For sponsorship, participants should contact representatives of the World Bank and Asian Development Bank (ADB) in their respective countries for guidance. For travel, Visa should be obtained prior to arrival in India. Willing participants should have user level knowledge on Window, MSOFFICE with some experience in planning / engineering or maintenance of roads. Language of the training program is English.