

INFRASTRUCTURE PROJECTS FOR COMMONWEALTH GAMES 2010

Prof Mahesh Tandon

Managing Director, Tandon Consultants Pvt. Ltd, 17, Link Road, Jangpura Extension

New Delhi 110014, India

INAE-AICTE Distinguished Visiting Professor, IIT Kanpur & IIT Roorkee

Email: tandon@tcpl.com

Abstract

After the Olympic Games, the next most important sporting event in the world is surely the Commonwealth Games which are held every four years.

The 19th Common Wealth Games (CWG 2010) were held in Delhi in Oct 2010. About 6500 athletes and officials representing 71 Common Wealth nations and dependencies competed in 17 sports disciplines and 272 events. This was the largest sports event ever held in India. It was also the first time that Commonwealth games were held in the country. Holding an event of this magnitude is an expensive exercise with the enhancement of the host country's image being the main motivation. The hosting of such a mega event requires the development of games village, sporting venues and ofcourse bridges and flyovers all over the city to improve its transportation infrastructure.

It is proposed to give a brief exposure to the major traffic interchanges, elevated road, elevated corridor and MRTS structure which constituted the landmark projects of the games. These projects employed a variety of techniques and were constructed in an incredibly short time. Tandon Consultants Pvt Ltd acted as the Design Consultants for six of these projects while they were proof checkers for the seventh.

The projects include: S

- 1) Three Level Grade Separator at Ghazipur Intersection on NH-24
- 2) Barapulla Elevated Road: The fast-track 'Village' to 'Venue' project.
- 3) Badarpur Elevated Corridor to connect Delhi to Haryana
- 4) Mukarba Chowk Grade Separator to disperse traffic at Delhi Border
- 5) Flyover at Intersection of NH-24 and Bund Road near Commonwealth Games Village
- 6) Underpass at Rotary Near Domestic Airport for Road Connecting to Dwarka
- 7) Extardosed Bridge at Moolchand Intersection for Delhi Metro

It is proposed to illustrate this paper with a brief description of the projects. Concrete was the predominant material used in the structures. Steel-concrete composite construction was adopted in project no: 4.

Keywords: Segmental Construction, Fast Track, Commonwealth Games 2010, Delhi, Aesthetics