

Proposed Convention / Exhibition Centre at Dwarka, New Delhi

Introduction

MVA was appointed to develop a transport masterplan and layout designs for the planned International Convention / Exhibition Centre on a site of some 14ha located at Dwarka, New Delhi (close to the Indira Gandhi International Airport).

Key Project Issues:

Since this is a very large development, major traffic and person trip demands will be prevalent. MVA identified traffic planning issues such as:

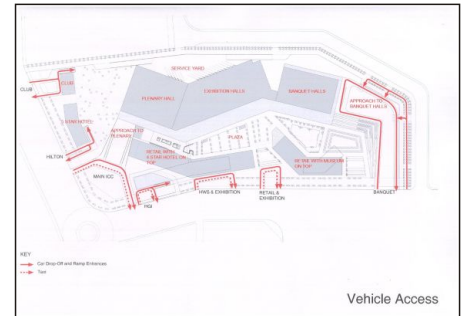
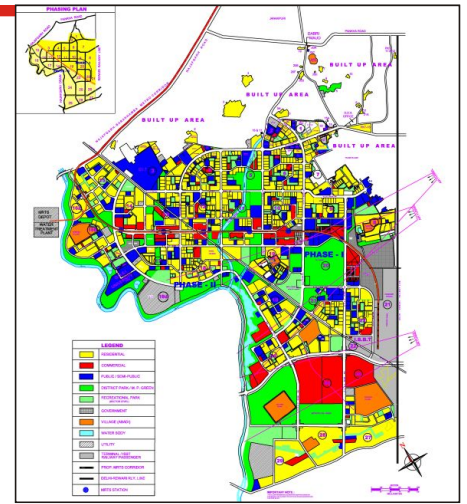
- ▶ Location and distribution of site accesses, so that both the accesses themselves and loadings onto surrounding roads and junctions will operate smoothly and with sufficient capacity.
- ▶ Provision and management of transport facilities and spaces to cater for major events at the convention / exhibition venue.
- ▶ Facilities and areas for loading, queuing, marshalling and storage of goods vehicles, particularly for major events.
- ▶ Internal traffic circulation, and provision of adequate pick-up / drop-off areas, car parking, etc for the various components of the development (hotels, retail areas, club, exhibition halls, meeting rooms, etc).
- ▶ Shuttle bus or similar transport provisions between the various parts of the development and the domestic and international airport terminals.

Traffic Consultancy Service Included:

- ▶ Traffic surveys to quantify existing situation and also trip rates surveys at suitable existing developments
- ▶ Review of parking demands, regulations and proposed provisions, including provisions for cars & motorcycles
- ▶ Traffic generation and distribution analysis for all components of site
- ▶ Traffic impact study for surrounding road network including access to / from airport
- ▶ Road / junction capacity appraisal and recommendations

on required improvements and mitigation measures

- ▶ Detailed appraisal of roads and junctions surrounding site and proposed locations / layouts for site accesses
- ▶ Internal traffic circulation study traffic flows and capacity appraisal, 1-way circulation areas, indicative traffic management requirements, accesses to car parks, drop-off / pick-up areas, etc
- ▶ Goods / service vehicle access, internal circulation, parking / turning areas including swept path analysis etc as required particular study required of queuing / marshalling / stacking requirements for goods vehicles at major events
- ▶ Indicative requirements for public transport / shuttle bus services and circulation within site in particular for connections to airport
- ▶ Conceptual layout review for car parks layouts and circulation
- ▶ Concept management plans for traffic and pedestrians during major events
- ▶ Comprehensive report on traffic & transport masterplan and traffic impact appraisal



Dwarka ICC

- ▶ 14ha site area
- ▶ Estimated GFA's :

Conv / Exhib Ctr :	86,400 m ² (14,000 seats + exhib halls)
Hotel complex :	60,000 (min 800 rooms)
Commercial :	36,600
- ▶ Min 2 levels of basement for parking throughout
- ▶ Parking requirements :

Conv / Exhib Ctr :	1,730 ECS (equiv car spaces)
Hotel complex :	1,800
Commercial :	1,100

Note :

The above quoted figures are indicative only.

MVA Head Office in Asia

26/F China Resources Building
26 Harbour Road
Wanchai Hong Kong

Tel : (852) 2529 7037
Fax : (852) 2527 8490
mva@mva.com.hk
www.mvaasia.com

