



## Rehabilitation of Airfield Pavements at Kabul International Airport



Rehabilitated Airfield Pavement



Pavement Work



Taxiway Edge Lights



Taxiway before Construction



The Completion Plaque

### Project Overview:

Kabul International Airport (KAIA) is the capital airport of Afghanistan and as a land-locked country, air transport plays an important role for both international and domestic transportation. The prolonged conflict had led to the deterioration of facilities in KAIA and several projects to rehabilitate such conditions have been carried out since 2003. These include, rehabilitation of runway, pavement overlay works and installation of runway lighting system which was funded by the World Bank from 2003 to 2005, and the project to construct a new international passenger terminal building, a new apron and car parks under the Japanese Grant started in 2004 and was completed in 2008. However, conditions of other important basic facilities of the airport, such as domestic aprons and taxiways, remained severely deteriorated due to lack of major rehabilitation work since its construction in the 1980s.

Through this project, airfield pavements were rehabilitated and new airfield lighting systems as well as drainage system were installed in the scope of meeting international standards set by ICAO and hence, improving aviation safety at KAIA.

### Formation: JV (Main)

**Type of Work:** Study / Detail Design, Assistance in Tendering and Construction Supervision

**Project Term:** July 2009 - October 2013

### Outline of Project:

#### [Objectives]

- To improve the safety of aircraft operation at KAIA by rehabilitation of southern side taxiways and aprons.

#### [Rehabilitation]

- Taxiways: length 5.4km, width 44m (including shoulder)
- Aprons: approximately 6.46ha

#### [Installation]

- Airfield Lighting Systems
- Drainage System

### Expected Outcome:

- Pavement conditions of taxiways and aprons will be improved and the overall safety will be increased by complying with ICAO's standard.
- The visibility of taxiways and aprons will be improved by the installation of markings and airfield lighting systems.
- The capacity of aircraft parking in KAIA will be increased resulting in reduction of number of holdings in the air caused by lack of parking space.