



## Rehabilitation of Bamyan Airport



Proposed Terminal Area



Runway before Construction Work



Passenger Terminal Building



Fire Station

### Project Overview:

Afghanistan is a land-locked country, and air transportation plays an important role in national transportation for both people and goods due to its steep mountainous geography. Bamyan is the capital of Bamyan province, located at 230 km northwest from Kabul City, the capital of Afghanistan. Bamyan has a large number of natural, historical, and cultural attractions such as the “Cultural Landscape and Archaeological Remains of the Bamyan Valley” which was inscribed on the List of UNESCO World Heritage in Danger in 2003. Also in the suburbs of the ancient city of Bamyan lies a dramatic series of six blue-water lakes known as “Band-e-Amir.” Attracting thousands of tourists each year, it is expected to become a hub of tourism in Afghanistan.

Bamyan Airport, located at the south of Bamyan town, only had non-scheduled flight operated by piston-powered propeller aircraft with 5-20 passengers and/or helicopters with 20 passengers. Although a few national airlines in Afghanistan was willing to operate commercial flights by twin engine turbo-prop aircraft with 50 passengers, its demand was obstructed by poor airport facilities, i.e. no paved runway, no air navigation aids, no fire fighting service, no snow removal equipment, and no passenger terminal building. Confronted by such challenges, the Government of Afghanistan (GOA) requested the Government of Japan (GOJ) to undertake the project for improvement of Bamyan Airport with the objectives of improving the airport facilities to facilitate the commercial air services in Bamyan Airport and improving the safety of aircraft operation. In response, the GOJ through JICA carried out a preparatory survey to evaluate the rationale of the project and to provide basic design and project cost estimate required for due formalities under Japanese Grant Aid scheme. The Project was carried out by UNOPS funded by JICA and the new airport facilities were completed in 2014. As the result of the project, commercial scheduled air service has commenced.

**Formation:** Main Contract

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

**Project Term:** November 2011 - May 2014

### Outline of Project:

#### [Objectives]

To improve the facilities of Bamyan Airport in order to facilitate the commercial air service in Bamyan Airport and to enhance the safety of aircraft operations.

#### [Scope of Rehabilitation in Bamyan Airport]

1. Rehabilitation of runway: 2,200m length and 30 m width
2. Earthwork of runway strip and transitional surface  
ICAO Design Aircraft Category 2C, runway airstrip width 80 m
3. New aircraft parking apron: 4 parking spots for medium TP
4. Perimeter fence and gates
5. New passenger terminal building
6. New fire station & utility building
7. New generator shed
8. Navigation aids facilities
9. Fire fighting equipment
10. Airport maintenance equipment
11. Airport security equipment

### Expected Outcome:

- More tourists will be able to visit Bamyan having scheduled commercial flights operated in Bamyan Airport.
- Local residents of Bamyan may be able to get better and safer roundtrip access to Kabul with commercial flights operation.
- Construction of the perimeter fence will prevent further incidents of interference in flight operation caused by residents and vehicles freely crossing the runway.