

**Client:**

Ministry of Transport,  
Communications and Water Management  
Air Traffic and Airport Administration

**Features:**

Length of runway: 60 m  
Width of runway: 3 750 m  
Overall length of taxiways: 10 900 m  
Overall length of service roads: 14 800 m

**Time of design:** 1976-1979

**Time of implementation:** 1979-1983

**Services:**

- Land survey
- Soil investigation
- Traffic studies
- Site selection studies
- Efficiency analyses
- Designs for approval
- Environmental assessment
- Rating specifications

As a result of preliminary studies the new runway No. 2 was established at a distance of 1 600 m from the existing runway No. 1. It was designed to have parameters complying with Code 4E, instrumentation category III/A and up-to-date lighting system according to the ICAO standards.

The high capacity aircraft generations used in the international civil aviation were taken as standard for the pavement design. Different pavement alternatives of varying load bearing capacity were designed in accordance with the different stresses of the various runway sections. The elaboration of the final construction technology was facilitated by the construction of test sections. Eventually, the completion of the alternatives (varying in cement types, aggregates and additives) has led to the selection and design of the most favourable option, comprising a slab size of 7.50 x 7.50 m with a depth of 40 cm.

The grading and regrading works involved the handling of 2.3 million m<sup>3</sup> of earth. Among the associated designs a considerable importance was allotted to designing the control engineering equipment, and it has reached implementation with the most modern light engineering implements.