

Technical Visit to Pahang River Mouth Improvement Project in Pekan, Pahang

WATER RESOURCES TECHNICAL DIVISION



reported by Ir.
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On 12th April 2014, the Water Resources Technical Division (WRTD) organised a technical site visit to the Pahang River Mouth Improvement (PRMI) Project site in Pekan, Pahang. The visit, comprising a team of 17 engineers, was led by Ir. Sreedaran Raman.



Briefing from DID Project Engineer Ir. Muhamad bin Kadir

The PRMI project is one the biggest coastal engineering project currently undertaken in the country. It is funded by the Federal Government and carried out by the Department of Irrigation and Drainage Malaysia (DID).

The aim of the project is mainly to solve the problem of siltation at the river mouth which affects the navigation of fishing vessels, berthing and mooring areas and to provide shelter for vessels at Lembaga Kemajuan Ikan Malaysia (LKIM) pier.

Currently the construction of Phase 1 and Phase 2 has been completed and work for Phase 3 is on-going. The project is expected to be completed by September, 2015.

The design-and-built project was awarded to Malaysian Corporation Resources Berhad (MRCB) with a total cost of RM437.2 million for the three phases. The three phases are only part of the overall solution and the remainder of the project will be carried out according to fund allocation from the Federal Government.

First, we were briefed by DID Project Engineer Ir. Muhamad Kadir, who presented the background and overview of the project. Then Dr Lim Foo Huat of Angkasa Jurutera Perunding Sdn. Bhd. gave an overall project design briefing.

After this, we were driven to the project site and given a construction briefing on the project and solutions to the problems they had encountered during the construction, especially before and during the construction of the breakwater and river dredging works.

The construction of Phase 1 at a total cost of RM258.1 million started on 1 August 2005 and was completed on 30 June 2011. The main scope of work in Phase 1 was numerical and physical modelling prior to the construction of 555m of breakwater, 400m of dyke, 1,850m of rock revetment and 1,370m of Pulau Syed Hassan bypass channel.

Phase 2 construction started on 24 October 2011 and was completed on 28 February 2013 with a total cost of RM49,045,086.30. It comprised the construction of 200m breakwater (continuation of Phase 1) and dredging works at the river mouth and navigation channel.

The current on-going Phase 3 works, awarded on 19 September 2013, is expected to be completed in September 2015. The cost of this phase is RM130 million which continues with the extension of the breakwater structures on the both side of river banks.

Later, the project team from DID, Angkasa and MRCB took us on a guided tour of the site and answered all our queries. It was a great and unique experience for the participants.

Before we left, we presented our hosts with mementos to show our appreciation for their hospitality. ■



Participants studying the overall Project's Model