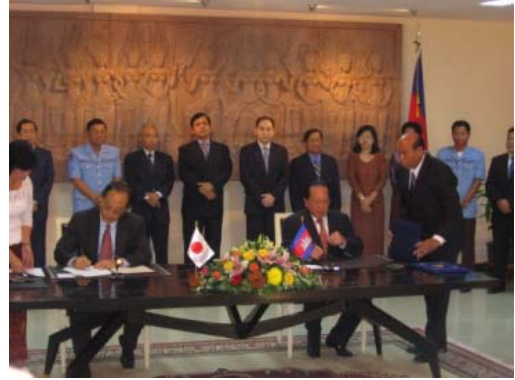


## 1. BACKGROUND

Millions of landmine are scattered in Cambodia and continue to claim hundred of innocent lives every year. With the vision in mind to remove hazardous material and help rebuild Cambodia, Cambodian Mine Action Centre committed to increase the mine clearance operation rate so that land could be re-utilized and less and less people felt victim to mine/UXO accident. In order to achieve this goal, CMAC has to come up with new effective and efficient technologies that enable mine clearance operation faster and cheaper. On 17 March 2006, the Ambassador of Japan to the Kingdom of Cambodia, H.E Takahashi Fumiaki, and the Deputy Prime Minister and Minister of Foreign Affairs and International Cooperation, H.E Hor Namhong, signed an Exchange of Notes concerning the Japanese economic cooperation for the execution of the Project for Research and Development of Mine Clearance Related Equipment to be executed by CMAC. The aim of the project is to test and evaluate the performance and suitability of demining machines and mine detectors manufactured by Japanese companies and research institutions.

Following the signature of the Exchange of Notes, a separate Memorandum of Understanding was signed on 25 March 2006 between CMAC and JICS to lay out detailed project execution. A Selection Committee comprising of CMAC team, two officials from the Ministry of Foreign Affairs of Japan, two representatives from relevant institutes of Japan and a representative from UNMAS was formed to carry out the selection of test participants. The tasks of the Selection Committee included the review of the selection criteria and process, the assessment of the applicants' qualifications based on CMAC's Standard Operation Requirements (SOR), and the final selection of the participants. The selection committee met in Tokyo on 18 – 25 May 2006 to select the systems to be tested in Cambodia. Three manufacturers, namely Hitachi, Kawasaki and Komatsu participated in this project.



This document presents the full project activities and results of the test & evaluation of Demining Machine Swing type from Yamanashi Hitachi Company conducted under this project.

## 2. AIM

The project aims to conduct the test and evaluation of Demining Machine Swing type from Yamanashi Hitachi Company in view to confirm its capacity & suitability for deployment in personnel landmine clearance activity.

## 3. SCOPE

The evaluation of the Japanese research and development of mine clearance related equipment will be done under five aspects:

- No 1: Performance test
- No 2: Acceptance test
- No 3: Survivability test
- No 4: Repair/Maintenance
- No 5: Transportation