

## **CHAPTER 7: KEY FINDINGS AND CONCLUSION**

### **7.1 Key Findings**

As the results of EMP study for MITT port operation, the followings were found out:

- i. Hutchison Ports MITT is Myanmar's first international container-based multipurpose terminal with container handling capacity of 450,000 TEU as maximum operation at Berth 5-9, Thilawa area, Yangon and offering a comprehensive range of safe, efficient and productive services to the shipping industry 24 hours a day, seven days a week.
- ii. MITT have been trying to fulfill their mission which is to be leading port and terminal operator in Myanmar, committed towards providing high quality services to meet customers' needs, enhancing the well-being of employees, ensuring consistent returns to shareholders and meeting the needs of changing society.
- iii. MITT have total berth length of 1000m with five berths capable of handling a wide variety of cargo. Compared to terminals at Yangon downtown area, large vessels with deeper draft can enter at MITT.
- iv. There are road networks into MITT with various industrial zones in Yangon City and also rail line right into the terminal linking MITT not only with Yangon City but also with the national rail network.
- v. MITT will try to minimize the discharges from port operations and berthing ships which can pollute the environment. MITT is committed to comply with relevant laws, rules, acts and regulations in regional, national levels and international good practices. In addition, MITT has set up Environmental Policy, Security Policy and Occupational Health and Safety (OHS) Policy to make sure safe and clean port environment with minimum pollution.
- vi. MITT has been implementing port operation activities with advanced cargo handling facilities same as other international ports. MITT is committed to comply with international guidelines such as International Ship and Port Facility Security Code (ISPS code) to enhance the security of ships and port facilities.
- vii. According to EMP Study, the key impacts during operation stage are air pollution, water pollution, wastes, noise pollution, hazardous materials, occupational health and safety and emergency risks such as fire and flood. However, in the operation stage, most of the impacts are limited only within the port area and MITT has prepared necessary standard operation procedures, checklists, action plans and systems for pollution control and emergencies.
- viii. Based on the assessment results of environmental, social, health and emergency risks, Environmental Management Plan (EMP) with Environmental Monitoring Plan (EMoP) including checking and recording the various aspects of environmental, social and health conditions and measurement of pollutant parameters of air, water and soil, etc. for both operation and closure stages was developed.

## **7.2 Conclusion**

The EMP Study for port operation of Myanmar International Terminals Thilawa Limited. (MITT) can be concluded as follows:

- i. This Environmental Management Plan (EMP) report has been prepared based on the technical and operational information provided by the project proponent, site investigation, desktop study of reports, articles and international good practices related to ports and harbours, and environmental monitoring results of the project.
- ii. Qualitative and quantitative impact assessments have been conducted and significance of each impact has been identified based on its likelihood and severity, evaluation of current management activities and mitigation measures and consideration measures to minimize the impacts have been recommended and incorporated in EMP. Institutional arrangements for implementing EMP for both operation and closure stages are also included to ensure the effectiveness of EMP.
- iii. During EMP study, possible impacts were identified and it was found in assessment results that there are no big significant impacts nor the project is not evaluated environmentally sensitive, and most of the impacts can be reduced after implementation of current and recommended mitigation and control measures.
- iv. The implementation of port operation activities of MITT with the considerations for environmental management is environmental friendly which can result in the substantial increase in the efficiency and safety of port operation functions which lead to the increased inbound and outbound movement of shipping containers and commodities resulting in an increased business opportunities and income generation for the nation and foreign trade.

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