

## **Ex-Ante Evaluation (for Japanese ODA Loan)**

### **Southeast Asia Division 2, Southeast Asia and Pacific Department, JICA**

#### **1. Name of the Project**

- (1) Country: Kingdom of Cambodia ("Cambodia")
- (2) Project Site/Target Area: Kampong Chhnang Province and Siem Reap Province
- (3) Project: The Project for the Construction of Training Complex and Outreach Facility of Cambodian Mine Action Centre

Grant Agreement:

#### **2. Background and Necessity of the Project**

- (1) Current State and Issues of Regional Development in the Mine Action Sector and Priority of the Project in Cambodia

The Cambodian government expressed its readiness to work on demining in the Fourth Rectangular Strategy (2018 to 2023), its national development plan. While Cambodia has signed the Ottawa Treaty, which is an international agreement banning antipersonnel mines, and is obliged to complete the removal of antipersonnel mines in the country by 2025, it seems that unexploded ordnance and antitank mines not specified in this treaty will remain in the country after the end of the period, and the country is required to continue to remove the remaining unexploded ordnance and mines after 2025. Also, the National Mine Action Strategy 2018–2025 developed by the Cambodian Mine Action and Victim Assistance Authority advocates international cooperation in the mine action sector, spelling out a policy to provide knowledge obtained by Cambodia about mine and unexploded ordnance actions to other countries affected by conflicts, as it is a country that has recovered from a civil war and there are many other countries that may remain contaminated with mines and unexploded ordnance after 2025.

The Technical Institute of Mine Action ("TIMA") has been working not only to develop staff members of the Cambodian Mine Action Centre ("CMAC"), but also to provide training for organizations involved in mine action in the country, including the armed forces, the police, and NGOs. It is also used widely as a place where technical training is provided for other countries contaminated with mines and unexploded ordnance, and has invited those involved in mine and unexploded ordnance action in Columbia, Laos, Angola, and Iraq to Cambodia to provide technical guidance. Many countries contaminated with mines have

established a government organization working on mine action. Among those organizations, CMAC has high-level technologies for disposing of mines and unexploded ordnance unparalleled anywhere in the world, and training in TIMA is highly important in and outside the country. Currently, however, their facilities have seriously deteriorated, and they lack the facilities and equipment for providing adequate hands-on and online training for participants from around the country and the world. CMAC also has an outreach facility designed to disseminate information about various topics including Cambodia's recovery from the civil war, its development and the roles of demining in its history. This facility is not only important to educating general visitors, students, etc. in and outside the country about the mine issue, but it is also expected to deepen the understanding of those involved in demining in and outside the country about the country's recovery from the civil war and demining. Currently, however, the facility has no space for effectively showing exhibits, and does not fulfill its functions to serve these purposes for visitors and those concerned.

The Project for the Construction of Training Complex and Outreach Facility of Cambodian Mine Action Centre ("this Project") is intended to develop a new training complex that replaces the deteriorated facilities of TIMA, upgrade the existing outreach facility, and thereby promote technical guidance for other countries contaminated with mines and unexploded ordnance, and widely disseminate Cambodia's history and records of mine and unexploded ordnance action around the country and the world.

Since 1998, JICA has been working to help CMAC strengthen its capacity for promoting mine action in Cambodia through grant aid based mainly on the provision of equipment and technical cooperation. With more than 20 years of support for mine action from Japan, CMAC has grown into an organization with world-leading technologies. This Project is positioned as an important step for CMAC, based on previous support from the Japanese government, to build a firm footing for demining in the country and providing south-south cooperation to other countries contaminated with mines and unexploded ordnance.

## (2) Japan and JICA's Cooperation Policy and Operations in Relation to the Mine Action Sector

The JICA Country Analysis Paper for Cambodia (March 2014) points out the importance of support for demining activities and states its analysis that JICA will be considering what direction to take for facilitating the independence of CMAC as well as that it might be possible to use CMAC as a base for providing

cooperation for third countries. This Project is consistent with this analysis. The Country Development Cooperation Policy for Cambodia (July 2017) sets realizing a sustainable society through enhancing governance as a priority sector, and states that the government will support mine and unexploded ordnance action. This Project is consistent with this policy. In addition, this Project contributes to securing the peace and security of a Free and Open Indo-Pacific (FOIP) in that it promotes the clearance of mines and unexploded ordnance in and outside the country. Furthermore, this Project contributes to "continuous support for demining activities in countries seriously affected by mines and unexploded ordnance" and "promotion of regional cooperation and south-south cooperation" announced by the Japanese government as its policies on support for demining in the sixth pledging conference of the Ottawa Treaty. Article 6 of this treaty provides for cooperation and assistance for other signatory countries, and this Project is consistent with the purpose of this treaty in that it helps Cambodia fulfill its obligation to assist other countries by building a place where CMAC can provide its knowledge and technologies to other countries.

Made in February 2022, the Joint Statement between Japan and the Kingdom of Cambodia states that both countries will coordinate activities for the maintenance of peace through cooperation in sharing Cambodia's experience in demining with third countries, and this Project develops an important foundation in strengthening this coordination.

The mine and unexploded ordnance issue is a cross-border and cross-regional issue, and it requires a high level of expertise as well as comprehensive efforts based on cooperation with relevant actors. This Project is consistent with JICA's efforts in peacebuilding, one of its global agendas, in that the Project further promotes Cambodia's efforts to use its knowledge and experience gained as a country involved in conflicts to resolve issues in other countries, and strengthens the networks among those concerned. This Project also contributes to Sustainable Development Goal (SDG) 16 (peace and justice) through promoting the clearance of mines and unexploded ordnance.

### (3) Other Donors' Activity

In the 1990's, Germany and Australia supported the development of part of the main building of TIMA. In 2015, Norway supported the development of part of the mine detection dog center in the same facility. However, these activities do not overlap with this Project.

### 3. Project Description

#### (1) Project Description

##### [1] Project Objective(s)

The objective of this Project is to develop and upgrade facilities of the Cambodian Mine Action Centre, including its outreach facility and the Technical Institute of Mine Action, which handles the training function, in Kampong Chhnang Province and Siem Reap Province, provide a better training environment for those involved in mine action, and promote understanding and education about the mine issue, thereby contributing to promoting the clearance of mines and unexploded ordnance in and outside Cambodia and realizing a sustainable society.

##### [2] Project Component(s)

a) Facilities, equipment, etc.

[Facilities] Facilities in TIMA (Kampong Chhnang Province: classroom building, conference building, accommodation buildings (for men and women), dining building, etc.) and outreach facility (Siem Reap Province: indoor exhibition building). Total floor area: about 8,000 m<sup>2</sup>

[Equipment] Facilities in TIMA: web conference system, PA system (1 set), etc.

Outreach facility: web conference system, PA system (1), vehicle for work at height (1), showcase (1), models (2), etc.

b) Consulting service/Intangible component

[Consulting service] Detailed design work, bidding assistance, and supervision of procurement and construction

[Intangible components] None

##### [3] Beneficiaries (Target group)

Direct beneficiaries: Personnel engaged in mine action in Cambodia, those involved in the clearance of mines and unexploded ordnance who visit the facilities to receive training from other countries (about 1,260 people/year), and visitors to the outreach facility from around the country and the world (about 50,000 people/year)

Final beneficiaries: Local residents and private companies who benefit from the clearance of mines and unexploded ordnance in and outside the country

#### (2) Estimated Project Cost

Estimated project cost: 2,655 million yen (Estimated cooperation (Japan):

2,451 million yen, (Cambodia): 204 million yen)

(3) Schedule (Duration of Cooperation)

Planned from January 2023 to March 2026 (39 months in total). This Project will be completed when the facilities are put into operation (April 2025).

(4) Project Implementation Structure

1) Executing Agency: Cambodian Mine Action Centre

2) Operation and Maintenance Agency: Cambodian Mine Action Centre

Staff members of CMAC assigned to TIMA and the outreach facility will operate and maintain the facilities. They will assign 45 staff members to TIMA and 41 to the outreach facility to operate and maintain the facilities. Manuals will be provided for new equipment procured, and the contractors will provide basic instruction for operating equipment unfamiliar to the staff members. As equipment to be used for operating and maintaining the outreach facility, a vehicle for work at height will be procured. For the operation and maintenance of equipment, the development of rules on the use of the facilities, planning of training, and training for staff members in TIMA and the outreach facility, it is expected that support will also be received from ongoing technical cooperation projects. When it comes to financial aspects, the budget for operation and maintenance will be covered by the Cambodian government's budget. Consequently, the operation and maintenance agency will have no problems with the system and their ability to operate and maintain the facilities developed/upgraded by this Project.

(5) Cooperation and Sharing of Roles with Other Donors

1) Japan's assistance activities

As part of the Project for Strengthening Organizational Functions of Cambodian Mine Action Centre (CMAC) (2020 to 2024), a technical cooperation project, intangible support is being provided for the reorganization of CMAC beyond 2026. Training is also provided for staff members of the outreach facility to teach them about effective exhibition methods and to improve their publicity skills. For the management of equipment, the development of training plans, etc. in TIMA and the outreach facility, further support will be received from ongoing technical cooperation projects. In the Project for Strengthening Operational Capacity of UXO Lao Contributing to Poverty Alleviation (2019 to 2024), an ongoing technical cooperation project in Laos, and the Third Country Training Programme on Mine Action for the Republic of Colombia (2017 to 2023), south-south cooperation, such as sharing of knowledge and technologies gained by CMAC, is taking place centered around CMAC. In Colombia, a human resource

development project for promoting comprehensive action against antipersonnel mines (AICMA) (2023 to 2026) is scheduled to launch. This Project can be expected to provide tangible support for these projects and create synergy effects.

2) Other donors' assistance activities

None in particular

(6) Environmental and Social Consideration

1) Environmental and Social Consideration

[1] Category: C

[2] Reason for Categorization: This Project is likely to have minimal adverse impact on the environment under the JICA Guidelines for Environmental and Social Consideration, released in April 2010.

(7) Cross-Cutting Issues: None in particular

(8) Category of Gender: GI (Gender mainstreaming needs assessment and analysis project)

<Description of activities and reason for classification> In this Project, new accommodations for women will be built, and the project plan contains facility design that considers the safety of women. Building an accommodation facility for women that can accommodate 90 female trainees has been set as an indicator. Therefore, this Project is classified as above.

(9) Other Important Issues: None in particular

#### 4. Targeted Outcomes

(1) Quantitative Effects

1) Performance Indicators (Operation and Effect Indicators)

Indicator	Baseline (Actual value in 2020)	Target (2028) [3 years after project completion]
Number of trainees that can be accommodated by the training rooms in TIMA (people)	About 120	About 420
Annual number of trainees accepted in TIMA (people)	602 (*1)	About 1,260
Annual number of courses run in TIMA (courses)	26	About 50

Numbers of trainees that can be accommodated by the accommodation facilities in TIMA (people)	80	Accommodation building for men: 170 Accommodation building for women: 90 Total: 260
Annual number of visitors to the outreach facility (people)	15,891 (*2)	About 50,000

\*1. Average between 2011 and 2021 (Since the number varies between fiscal years, the average was used.)

\*2. Actual value in 2019 (Since the outreach facility was closed in 2020 due to the influence of COVID-19, the actual value in 2019 was used.)

## (2) Qualitative Effects

Improved quality of training resulting from improved facilities, promotion of activities for decontaminating areas contaminated with mines and unexploded ordnance in and outside Cambodia, promotion of understanding of the mine issue, and promotion of education and publicity activities

## 5. Preconditions and External Conditions

- (1) Preconditions: None in particular
- (2) External Conditions: None in particular

## 6. Lessons of Similar Past Projects and Application of the Lessons to This Project

From the ex-post evaluation of the Project for Improvement of Equipment for Demining Activities (Phase 6) (evaluated in FY2010), grant aid to Cambodia, etc., it was learned that it is effective to fully discuss whether the country can become independent and secure the financial resources needed for maintenance in the future, and to include support or a proposal for securing financial resources in the project plan as needed. It is assumed that developing facilities in TIMA in this Project will allow the country to provide technical guidance on technologies for disposing of mines and unexploded ordnance to third countries and receive compensation for such guidance from them in the future. In addition, upgrading the outreach facility is expected to allow the country to earn more revenue from visitors and secure financial resources for the future.

## **7. Evaluation Results**

This Project aligns with the development issues and policies of Cambodia as well as Japan's and JICA's cooperation policies and analyses, and it contributes to peacebuilding through promoting the clearance of mines and unexploded ordnance. Also, this Project contributes to Sustainable Development Goal (SDG) 16. All these aspects suggest that it is highly relevant to support the implementation of this Project.

## **8. Plan for Future Evaluation**

### **(1) Indicators to be Used**

As indicated in Section 4.

### **(2) Timing**

Ex-post evaluation: 3 years after project completion

End

Attached material: The Area Covered by the Project for the Construction of Training Complex and Outreach Facility of Cambodian Mine Action Centre - Map



Map of the Area Covered by the Project for the Construction of Training Complex and Outreach Facility of Cambodian Mine Action Centre

