

付属資料：

1. 要請書
2. M/M (Minutes of Meeting)
3. R/D (Record of Discussion)
4. 訪問先・面談者一覧
5. 面談記録
6. 事前評価表

APPLICATION FORM FOR JAPAN'S TECHNICAL COOPERATION

1. **Date of Entry:** Day _____ Month _____ Year 2009
2. **Applicant:** The Government of Thailand
3. **Project Title:** The Project on Capacity Development in
Disaster Management in Thailand (Phase-II)
4. **Contact Point (Implementing Agency):** Department of Disaster Prevention
and Mitigation
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5. Background of the Project

The tendency of natural disasters occurrence in Thailand has been increased both in terms of magnitude and frequency, particularly the most catastrophic and unprecedented event on 26 December 2004, the world's most powerful earthquake struck deep under the Indian Ocean of the west coast of Sumatra triggering massive tsunami slamming and devastating the 6 Andaman Coastal provinces of southern Thailand. Additionally, recent climate changes and climate variations are beginning to have effect on many other natural and human system which caused events such as droughts, floods, heat waves, avalanches, and windstorms. It can be expected that the severity of their impacts will also increase in concert with global warming. Consequently, the Royal Thai Government and many related organizations have realized to natural disaster and accelerated preventive countermeasures against devastating events throughout the country.

Accordingly, Thailand's sophisticated disaster management systems are navigated by a legal framework, namely "Disaster Prevention and Mitigation Act B.E. 2550 (2007) including "Ministerial Regulations on Bureaucratic Organization Division, Ministry of Interior B.E. 2550 (2007), These legislation provides mandate to Department of Disaster Prevention and Mitigation (DDPM), Ministry of Interior to act as the intermediary government agency for disaster management system

development and collaboration national and local administration as regional, provincial and community level.

In response to request from DDPM and Ministry of Education (MOE), JICA commenced a 2-year Technical Cooperation project entitled "Capacity Development in Disaster Management in Thailand" in August 2006 with objectives of enhancement of capacity in disaster management for DDPM and promotion of disaster education for MOE.

In the project, five (5) major activities relating to disaster management plan, hazard mapping, CBDRM including early warning system, evacuation drill, disaster management training, and disaster education, have been undertaken and many fruitful outputs have been produced through the implementation of the project. At present, it is fully convinced that the project will bring a lot of benefits not only to DDPM and MOE but also to central and local administrative agencies, community people and primary and secondary school students and their families.

From the viewpoints of securing sustainability and effectiveness of the project, "The Project on Capacity Development in Disaster Management in Thailand (Phase-2)" is strongly required. The Phase-2 project aims mainly at further development of the outcomes obtained from the project and expanding them to all provinces, districts and communities throughout Thailand. Similar to the phase-1 project, the Phase-2 project is expected to be not only the collaborative project between DDPM and MOE but also a collaboration network among relevant agency. The benefit that DDPM will obtain in term of systematic, efficient, timely and sustainable disaster management techniques and potentiality will yield.

6. Outline of the Project

(1) Overall Goal

The main objective of the project is to support the Royal Thai Government in strengthening the capacity of Disaster Risk Management at central, provincial, district and community level. Additionally, the project enhances the capabilities of organization concerned to support comprehensive Disaster Management to ensure prevention and preparedness activities against future disasters through adapting various Japanese knowledge and experience.

(2) Project Purpose

1. To establish mechanisms to expand project outcomes and further strengthen a collaboration network.
2. To promote and to strengthen DDPM capacities and capabilities to carry out the sovereign responsibilities of disaster management, especially at central, provincial and community level in disaster prone areas.
3. To enhance more concrete capacity for disaster management at national and local administration organizations' disaster prevention activities and educational services throughout the selected prone areas, as well as building capacity the provincial organizations of DDPM and MOE

(3) Outputs

1. Disaster Response Action Plan is formulated at DDPM Regional, Provincial and Community Levels
2. Disaster assessment system from relevant information is enhanced capability at the central, regional and provincial levels
3. Community Based Disaster Risk Management Approach is improved and promoted in disaster selected prone area.
4. E-Learning material on disaster management is implemented and transferred to DDPM officials at the central, regional and provincial levels including collaboration with concerned organizations.
5. Natural disaster curriculum and preparedness will be well equipped for educational service such as school and teachers.

(4) Area to be covered by the Project

(In case the proposed project assumes a particular area, please enter the name of the target area for the project and attach a rough map to the documents submitted. The attached map should be at a scale that clearly shows the project site.)

(5) Project Activities

- 1-1 Organize workshops and seminars between Thai side and Japanese side for sharing experiences and knowledge in order to formulate Disaster Response Action Plan (Draft) at the DDPM regional Centers, DDPM Provincial offices, District and local government organizations
- 1-2 Develop training courses and curriculum for DDPM regional officials and DDPM provincial officials to enhance their capacity on disaster

- prevention and mitigation plan preparation in accordance with National Disaster Prevention and Mitigation Plan
- 1-3 Formulate Disaster Response Action Plan for DDPM Regional offices, DDPM Provincial offices, Districts and local administration organizations in pilot project areas
 - 1-4 Conduct Disaster Response Action Plan Testing
 - 1-5 Evaluate and monitor Disaster Response Action Plan and Emergency Response Drills
 - 2-1 Develop GIS database and hazard mapping for landslide and flood in risk prone areas.
 - 2-2 Improve near real time early warning system for mudslide and debris flows in the targeted risk areas.
 - 2-3 Enhance the capacity and efficiency of DDPM officials at the central, regional, and Provincial levels are able to implement GIS system and Remote Sensing to be applied with disaster prevention and mitigation planning and to be utilized as information for incident commander decision making
 - 2-4 Prepare prevention and mitigation measure guideline of mudslide and debris flow
 - 2-5 Conduct hazard mapping training courses at the community level for Regional DDPM officials.
 - 3.1 Assign DDPM officials to attend CBDRM facilitator guide training course
 - 3.2 Conduct the workshop for CBDRM facilitator guide training and practice in accordance with the guide book
 - 3.3 Select pilot areas for testing CBDRM facilitator guide in Disaster prevention according to the community and provincial planning
 - 3.4 Implement activities in selected areas for facilitators and testing CBDRM manual (Facilitator Guide and Community Guide (
 - 3-5 Evaluate, assess and provide recommendation for CBDRM facilitator guide manual and Community Disaster Prevention and mitigation Plan
 - 3-6 Conduct exercises Drill in accordance with Disaster Response Action Plan
 - 4-1 Develop training course and curriculum regarding Human Resource development for Disaster Prevention and Mitigation Academy officials
 - 4.2 Prepare Standardization disaster management training courses and curriculum between the Experts and Disaster Prevention and Mitigation Academy

- 4.3 Provide E-learning materials on disaster management training course
and promote gender concept with DDPM regional and DDPM provincial officers
- 4.4 Improve E-learning materials on disaster management for Youth
Volunteer training course on in risk prone areas
- 4.5 Develop E-Learning materials and manuals for Disaster technical officer
and Emergency Response Team training course
- 4-6 Encourage and enhance the Earthquake knowledge for DDPM officers
- 5.1 Organize workshop or seminar in order to share experiences on natural
disaster management by utilizing materials
- 5.2 Select 20 schools in 5 risk prone areas as model schools in disaster
management for the 2nd phase by consideration of their willingness to
participate
- 5.3 Transfer disaster management knowledge from the 1st phase model
school 1 to 2nd phase participated schools
- 5.4 Expand natural disaster management knowledge from the 1st phase
throughout schools in Thailand by E-learning materials
- 5.5 Develop and prepare Disaster Management knowledge Center
Establishment in 5 risk prone areas as significant learning centers in the
communities for knowledge transferring to students and general public.

Remarks : Promote gender sensitive prospective into the above activities

(6) Input from the Recipient Government

- 6.1 Facilities : Project Office
Places at headquarters and regional offices of DDPM and MOE
- 6.2 Personnel : Project Director 1 person
Project Manager 1 person
Counterparts for Task Force
Administrative at least a person
- 6.3 Budget : As necessary

(7) Input from the Japanese Government

JICA will take, at its own expense, the following responsibilities under the technical cooperation;

- 7.1 JICA will dispatch Japanese long-term and short-term experts

7.2 JICA will organize study visit to Japan in the field of local cooperation for staff of DDPM and MOE including relevant local authorities.

7.3 Necessary inputs are as follows;

Long-term experts are crucial and short-term experts

- Experts Chief Advisor/Policy and Institution
- Sub-chief Advisor/Capacity development planning
- Disaster management planning
- Community disaster risk management
- GIS and hazard mapping
- Early warning system/Information dissemination
- Training course coordinator
- Disaster preparedness education 1 (Education system development)
- Disaster preparedness education 2 (DIG/Collaboration activity)
- As of requested

7. Implementation Schedule

Month _____ Year 2009 ~ Month _____ Year 2011

8. Description of Implementing Agency

DDPM and MOE will utilize its own budget and manpower in order that the ultimate outcome of the project could be achieved

9. Related Information

DDPM has been supporting knowledge and technical transfer of the experts from UNEP, SRSA and partners to the selected local administrative organizations: Patong Municipality, Phuket province (PMP) and Ao-Nang Sub-district Administrative Organization (ANSAO), Krabi province, under the technical cooperation project, 'Disaster Reduction through Awareness, Preparedness and Prevention Mechanisms in Coastal Settlements in Asia-Demonstration in Tourism Destination'. This project, granted by EU, aims to minimize casualties, property and environmental damages from natural and man-made disasters of three tsunami-hit tourism destinations (Kanniyakumari in Tamil Nadu State, India;

Patong in Phuket; and Pi Pi island in Krabi, Thailand) by improving the local authorities and the private sector ability to manage natural and man-made disasters and by educating the residents and tourism on how to properly react to disasters. This will be achieved through the application of the United Nations Environment Programme's APELL (Awareness and Preparedness for Emergency at the local level).

10. Global Issues (Gender, Poverty, Climate change, etc.)

Gender : Through gender matter is not regarded as the major issue in Thai society, DDPM, MOE and partners foresee its importance. The current JICA-DDPM-MOE cooperation, which will end in July 2008, is considering adaptation of gender issue into DDPM's planning. This plan will be the master plan for disaster management in Thailand and it will give the planning guidance to other related agencies.

Climate Change : According to examination of the empirical evidence, in some cases there is high confidence that climate change has already had an impact on some disasters. Consequently, DDPM begins rethinking its own on coping strategies and raising this issue for adapting prevention measures.

11. Environmental and Social Considerations

(Please fill in the attached screening format.)

12. Beneficiaries

The project intends to enhance capacity of three groups of beneficiaries; first is DDPM staff, second is MOE staff and the last group is the public. Through the process of this project, DDPM staff at all levels (central, regional and provincial) are expected to have increased knowledge and competencies on disaster management, and finally as a whole they could improve performances of the organization so that DDPM can carry out their designated roles and responsibilities of the core government agency of disaster management. Similar to DDPM, staff of MOE at all levels, also are expected to have better understanding and skill in disaster education, who then will be able to promote disaster management in schools throughout the country. Consequently, the public and the communities will get the benefits from the skillful and competent government officials.

13. Security Conditions

Working closely with local people, central, provincial and local officials, security condition is highly affirmed.

14. Others

14.1 Project Design Matrix (PDM)

14.2 Plan of Operation (PO)

14.3 List of Disaster prone Areas

Signed: 

Title: Director - General

On behalf of the Government of Thailand

Date : 26 September 2008

Screening Format (Environmental and Social Considerations)

Question 1 Address of a project site

3/12 U-Thong Nok RD, Dusit District, Bangkok 10300, Thailand

Question 2 Outline of the project

2-1 Does the project come under following sectors?

Yes No

If yes, please mark corresponding items.

- Mining development
- Industrial development
- Thermal power (including geothermal power)
- Hydropower, dams and reservoirs
- River/erosion control
- Power transmission and distribution lines
- Roads, railways and bridges
- Airports
- Ports and harbors
- Water supply, sewage and waste treatment
- Waste management and disposal
- Agriculture involving large-scale land-clearing or irrigation
- Forestry
- Fishery
- Tourism

2-2 Does the project include the following items?

Yes No

If yes, please mark following items.

- Involuntary resettlement (scale: households, persons)
- Groundwater pumping (scale: m³/year)
- Land reclamation, land development and land-clearing (scale: hectares)
- Logging (scale: hectares)

2-3 Did the proponent consider alternatives before request?

Yes: Please describe outline of the alternatives

()

No

2-4 Did the proponent have meetings with related stakeholders before request?

Yes No

If yes, please mark the corresponding stakeholders.

Administrative body

Local residents

NGO

Others ()

Question 3

Is the project a new one or an on-going one? In case of an on-going one, have you received strong complaints etc. from local residents?

New On-going (there are complaints) On-going (there are no complaints)

Others { }

Question 4 Name of laws or guidelines:

Is Environmental Impact Assessment (EIA) including Initial Environmental Examination (IEE) required for the project according to laws or guidelines in the host country?

Yes No

If yes, please mark corresponding items.

Required only IEE (Implemented, on going, planning)

Required both IEE and EIA (Implemented, on going, planning)

Required only EIA (Implemented, on going, planning)

Others: { }

Question 5

In case of that EIA was taken steps, was EIA approved by relevant laws in the host country?

If yes, please mark date of approval and the competent authority.

| | | |
|--|---|--|
| <input type="checkbox"/> Approved: without a supplementary condition | <input type="checkbox"/> Approved: with a supplementary condition | <input type="checkbox"/> Under appraisal |
|--|---|--|

(Date of approval: Competent authority:)
 Not yet started an appraisal process
 Others:()

Question 6

If a certificate regarding the environment and society other than EIA, is required, please indicate the title of certificate.

Already certified Required a certificate but not yet done

Title of the certificate :()

Not required

Others []

Question 7

Are following areas located inside or around the project site?

Yes No Not identified

If yes, please mark the corresponding items.

National parks, protected areas designated by the government (coast line, wetlands, reserved area for ethnic or indigenous people, cultural heritage) and areas being considered for national parks or protected areas

Virgin forests, tropical forests

Ecological important habitat areas (coral reef, mangrove wetland, tidal flats)

Habitat of valuable species protected by domestic laws or international treaties

Likely salts cumulus or soil erosion areas on a massive scale

Remarkable desertification trend areas

Archaeological, historical or cultural valuable areas

Living areas of ethnic, indigenous people or nomads who have a traditional lifestyle, or special socially valuable area

Question 8

Does the project have adverse impacts on the environment and local communities?

Yes No Not identified

Reason: []

Question 9

Please mark related environmental and social impacts, and describe their outlines.

- | | |
|---|---|
| <input type="checkbox"/> Air pollution | <input type="checkbox"/> Social institutions such as social infrastructure and local decision-making institutions |
| <input type="checkbox"/> Water pollution | <input type="checkbox"/> Existing social infrastructures and services |
| <input type="checkbox"/> Soil pollution | <input type="checkbox"/> The poor, indigenous or ethnic people |
| <input type="checkbox"/> Waste | <input type="checkbox"/> Maldistribution of benefit and damage |
| <input type="checkbox"/> Noise and vibration | <input type="checkbox"/> Local conflict of interests |
| <input type="checkbox"/> Ground subsidence | <input type="checkbox"/> Gender |
| <input type="checkbox"/> Offensive odors | <input type="checkbox"/> Children's rights |
| <input type="checkbox"/> Geographical features | <input type="checkbox"/> Cultural heritage |
| <input type="checkbox"/> Bottom sediment | <input type="checkbox"/> Infectious diseases such as HIV/AIDS etc. |
| <input type="checkbox"/> Biota and ecosystem | <input type="checkbox"/> Others () |
| <input type="checkbox"/> Water usage | |
| <input type="checkbox"/> Accidents | |
| <input type="checkbox"/> Global warming | |
| <input type="checkbox"/> Involuntary resettlement | |
| <input type="checkbox"/> Local economy such as employment and livelihood etc. | |
| <input type="checkbox"/> Land use and utilization of local resources | |

Outline of related impacts:

[]

TECHNICAL COOPERATION PROJECT (TCP)

SUMMARY FOR JAPANESE EXPERT

| |
|--|
| Type of Expert : [] Group [✓] Individual Long-term [✓] Individual Short-term |
| Field of Expert : Long-term Expert and Short-term Expert |
| Type of Duties : (I.e) <u>Advice, Planning, Research & Development, Technical Guidance, Training/Education, Management</u> |
| Requesting Agency : Department of Disaster Prevention and Mitigation 3/12 U-Thong Nok, Dusit District, Bangkok 10300, Thailand |
| Post Specification : (a) Post Title : The Project on Capacity Development in Disaster Management in Thailand (Phase-II) (b) Requesting Number of Personnel and Duration: 9 Experts (c) Purposes of Dispatching Expert(s) : Long-term and Short-term experts (d) Expected Outcomes of Expert(s) : Knowledge Dissemination and close collaboration with counterpart (e) Duties (Job Description) : 1. Analyzing the impact of existing model of environmental management system and technical innovation from Phase I 2. Policy recommendation for Disaster risk reduction on major activities of the project 3. Redesign for a particular outcome from the project to collaboration network among relevant agency in Thailand |
| Conditions : Project Office and Facilities (i.e) Provision of Office Facilities, Official Car, etc. |

Qualification and Experience Required :

1. Experts Chief Advisor/Policy and Institution
2. Sub-chief Advisor/Capacity development planning
3. Disaster management planning
4. Community disaster risk management
5. GIS and hazard mapping
6. Early warning system/Information dissemination
7. Training course coordinator
8. Disaster preparedness education 1 (Education system development)
9. Disaster preparedness education 2 (DIG/Collaboration activity)

TECHNICAL COOPERATION PROJECT (TCP)

SUMMARY FOR TRAINING

| | |
|-------------------------------|--|
| Type of Training | <input checked="" type="checkbox"/> Country-focused Training (counterpart training) <input type="checkbox"/> In-country Training <input checked="" type="checkbox"/> Long-term Training (L/T) <input type="checkbox"/> Third Country Training |
| Course Title | Disaster Management : 1. Disaster management planning 2. Community disaster risk management 3. GIS Database and hazard mapping 4. Early warning system/Information dissemination 5. Training course for coordinator 6. Disaster preparedness for education |
| Duration and Timing | 2-3 Times during Project implementation depending on available period |
| Number of participants | Depend on concerned Counterpart of the project |
| Language | Thai Language and English Language |
| Purpose of training | Individual Training and Group Training |
| Expected outputs | 1. participants have fundamental understanding of disaster preparedness and Disaster risk reduction 2. Central government's official support and initiate a clear cut policy of integrated disaster management system |
| Course Content | 1. Disaster management planning 2. Community disaster risk management 3. GIS Database and hazard mapping 4. Early warning system/Information dissemination 5. Training course for coordinator 6. Disaster preparedness for education |
| | Request to join a group training course: <u>Yes</u> / No If yes, please specify the course: Study visit and local training to Japan in the field of National level and Local Level |

| | |
|---|---|
| Background information of prospective participants | Participate in the Project or to have cooperation with Project Activity |
| Only for C/F request | For <input type="checkbox"/> 1 year <input type="checkbox"/> 2 years <input checked="" type="checkbox"/> 3 years <input type="checkbox"/> 4 years <input type="checkbox"/> 5 years |
| | Number of participants: Depend on concerned Counterpart of the project |
| | Target organization and the specific division: DDPM , MOE and Organization Concerned |
| | Post/status of target participants: Counterpart and Staff |
| | Target Participants: <input checked="" type="checkbox"/> Government official in administration <input checked="" type="checkbox"/> Government official in management <input type="checkbox"/> Government Engineer <input type="checkbox"/> Government/Private engineer <input type="checkbox"/> Government/private clerical |

| | |
|--------------|--|
| Only for L/T | Name of participant: Mr./Ms. |
| | Date of birth: |
| | Post: |
| | Academic background: |
| | Religion: |
| | English ability: TOEFL/ TOEIC/ Other()/ |
| | Information of prospective university accepting this training |
| | Name of university and faculty: Degree (master/doctor): Language: |

| |
|---|
| Possibility for Cost-sharing: <input type="checkbox"/> No |
| <input type="checkbox"/> Yes: <input type="checkbox"/> Round-trip air fare <input type="checkbox"/> Lodging <input type="checkbox"/> Living allowance <input type="checkbox"/> Outfit <input type="checkbox"/> Airport tax <input type="checkbox"/> Transport from/to Airport <input type="checkbox"/> Domestic transport <input type="checkbox"/> Expense for training |

