THAILAND IS ONE OF MINES AFFECTED COUNTRIES

- DUE TO, ARMED CONFLICTS IN NEIGHBORING COUNTRIES
- INTERNAL INSURGENCIES DURING THE PAST 50 YEARS
Landmine Impact Survey conducted by NPA in 2000-2001 contaminated areas total of 2,557 square kilometers around Thailand

THAILAND – CAMBODIA
1,823 Sq.Km.
Cleared area
55.9 SQ.KM.

Circumstances

- Overestimated of contaminated areas
- Difficultly of geographical nature of contaminated areas
- Limited resources and financial support
- Traditional Mine Clearance method is very slow and costly
## NUMBER OF MINE DETECTED

<table>
<thead>
<tr>
<th>TYPE</th>
<th>NOs</th>
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<tbody>
<tr>
<td>ANTI-PERSONAL LANDMINE</td>
<td>1,462</td>
</tr>
<tr>
<td>ANTI-TANK MINE</td>
<td>11</td>
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<tr>
<td>UNEXPLODED ORDNANCE</td>
<td>873</td>
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<tr>
<td>CLUTTER</td>
<td>965,531</td>
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</tbody>
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**Locating Mine Field Procedure (LMP)**
Methodology

1. Collect and analyze all relevant data and information of minefields in Thailand
   • Level 1 Impact Survey, past accidents, etc. from TMAC Data Base room
   • Satellite images
   • History of fighting, local military units, etc.
   • Interview the local villager, ex-military, ex-insurgent, etc.

2. Draw draft mapping of possible mine fields

3. Field confirmation by technical survey teams
Models Development for Locating Mine field procedure  
(IMAS will strictly be followed)

Canceling Survey  Areas that have been used over confident period of time such as farm lands, recreation areas, etc. and no evidence of explosive hazard, can be identified as safe areas

Releasing Survey  for low contaminated area where random check is made by technical survey, area with negative result will be identified as safe areas
Models Development for Locating Mine field procedure
(IMAS will strictly be followed)

**Canceling Survey**
Areas that have been used over confident period of time such as farm lands, recreation areas, etc. and no evidence of explosive hazard, can be identified as safe areas.

**Releasing Survey**
for low contaminated area where random check is made by technical survey, area with negative result will be identified as safe areas.

**Boundary Survey**
for high contaminated area where majority of the area show evidence of explosive hazard, will be marked and identified as mine fields.

Method & Equipment that could be used together with Locating Minefield Procedure

- **Deploy de-miner and dog to make new border line of mine fields**
- **Install warning signs**
- **Machine or other methods will be used for assuring the safety of:**
  - Public land, recreation attraction, govt. area currently used

Other appropriate Methods:
- Rake
- Pulling rope
- Etc.
EOD Team clear Spot Tasks during Procedure

UXO around living area  UXO left near farm land  Public forest

Expected Outcome

- **Reduction** in total landmine contaminated areas
- **Realistic, accurate** contaminated areas (mine fields)
- **Many safe areas** will be released for public uses
- **Spot tasks** will be cleared or disposed
- **Marking** of accurate contaminated areas can be made
- **Technical Survey Report** of each mined field, useful for next clearance activities
- **New clearance priority** can be obtained; based on actual mine fields
- **Final mine clearance plan** can be made more effective and practicable
CONTAMINATED AREAS
1,492.18 Sq.Km.

MINE FIELDS
251.54 Sq.Km.
AREA OPERATION: HMAU 1 - 4

<table>
<thead>
<tr>
<th>PROVINCE (AREA)</th>
<th>AREA SQ.KM</th>
<th>PERS</th>
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<tr>
<td>SA KAEO (181)</td>
<td>280.4</td>
<td>99</td>
</tr>
<tr>
<td>KANCHANABU (17.9)</td>
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<td>RATCHABURI (318)</td>
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<td>PEETCHABURI (31.4)</td>
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<td>PRACHUAP</td>
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<td>KHIRIKHAN (18.5)</td>
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<td>CHANTHABURI (99.4) TRAD (312.8)</td>
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HMAU 1

HMAU 2
THAILAND

- Submitted the Extension Request: March 2008
- 9.5 years
- From May 2009-November 2018