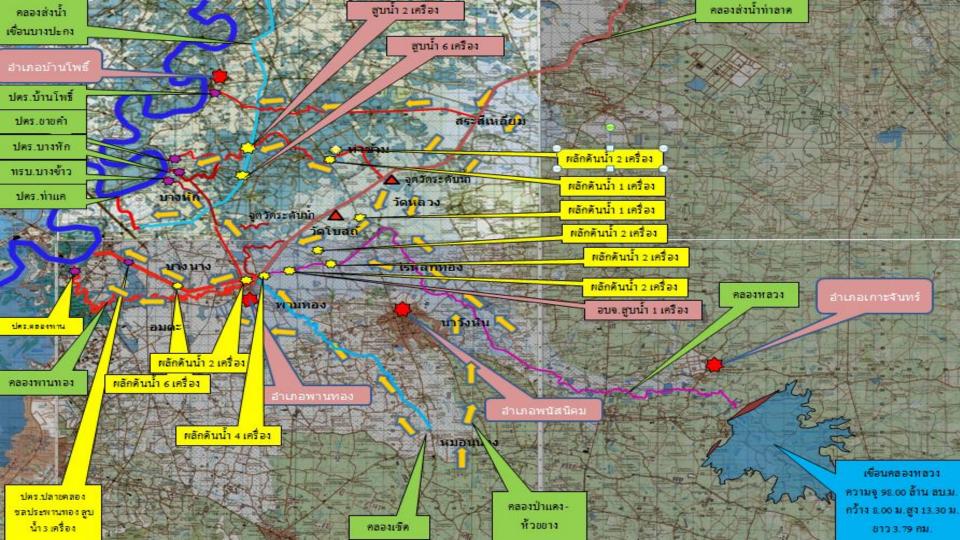
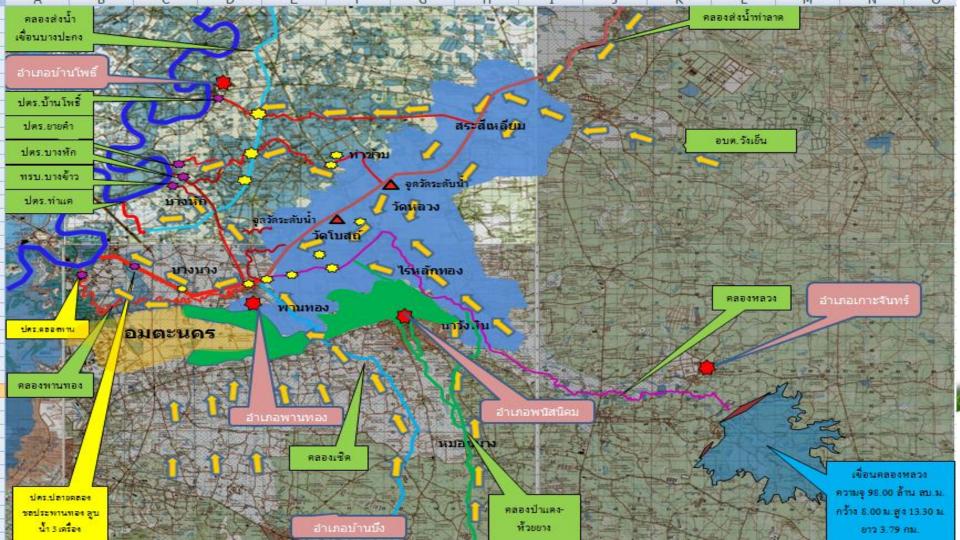


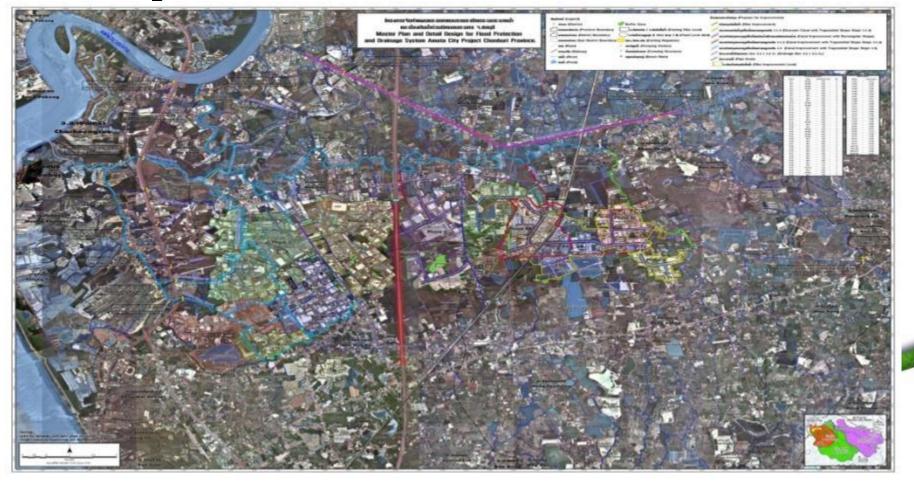
Meeting on the Brief Summary of the Water Situation at Amata Nakorn

Oct 14,2013





Map of AMATA Nakorn Industrial Estate



Causes of Flood

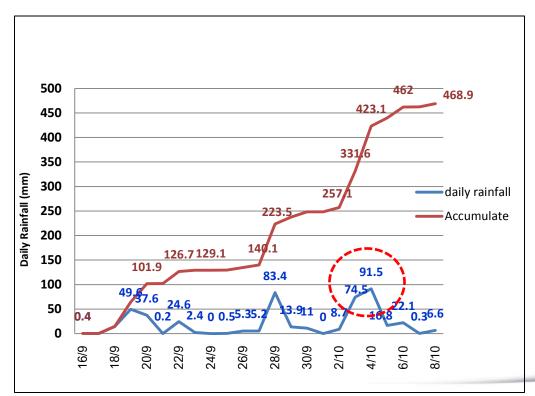
- Heavy Rain continually occurred in the areas during Sep. 27-29, 2013 and Oct.4-7, 2013.
- Road Construction; Route 3466 Ban Kao-Phan Thong resulted to draining water out slowly.
- High Tide affected proceeding water drainage into public canals slowly.
- AMATA Nakorn helped to relieve troubles of surrounding community by allowing some water flowing into our areas.





Graph of Accumulated Rainfall Record (16 th Sep -8 th Oct, 2013)

Daily Rainfall (mm)



ปากน้ำบางปะกง (ฉะเชิงเทรา)

Pak Nam Bang Pakong (Chachoengsao)

zellya (Lat) 15" 50' 05" 14/00 สองจิฐต (Long) 100" 59" 16" ช.(E)

geneu wash-

October 2013

566		1301			HO.	RS.																		
DATE	0	1	2	3	4	5	6	7		9	10	11	12	13	14	15	35	17	18	19	20	21	22	23
		grie	edno	Own	MT:													10	GHT	SOF	WAT	ER IN	ME	ER
1	1,7	1.7	1.7	1.6	1.6	15	1.5	1.2	1.1	1.1	1.2	1.4	1.7	2.0	2.5	2.5	2.6	2.6	2.5	2.5	21	1.8	1.7	1.
2	1.6	1.7	1.8	1.8	1.6	1.8	1.6	1.4	1.3	1.1	1.1	1.2	1.4	1.6	2.2	2.5	2.6	2.7	2.6	2.3	2.1	1.8	1.5	1/
3	1,4	1.6	1.8	2.0	2.1	21	2.0	1.7	1.5	1.3	1.1	1.1	1.2	1.6	2.0	2.4	2.6	2.7	2.6	2.6	2.1	1.7	1.4	L
4	1.2	1,4	1.7	2.1	23	2.3	2.5	2.1	1.8	1.5	1.2	1.1	1.1	1,4	1.0	2.5	26	2.7	2.6	2.4	2.1	1,7	1.4	1,
5 @	1.0	1.1	1.5	2.0	2.4	2.5	2.6	2.6	2.1	1.8	1.5	1.2	1.1	1.3	1.6	2.1	2.5	2.7	2.7	2.5	2.1	1.7	1.4	1.
6	0.9	0.9	1.2	1.8	23	2.6	27	2.7	2.4	2.5	1.7	15	1.3	13	15	2.0	2.4	2.7	2.8	2.6	23	1.8	1.4	1.
6 7	0.9	0.7	0.9	1.4	2.0	25	2.8	2.9	2.7	24	2.0	1.7	1.5	1,4	1.5	1.8	23	2.7	28	2,7	2.4	2.0	15	1
8	0.8	0.7	0.6	0.9	1.5	2.2	2.7	2.9	2.9	27	2.4	2.0	1.7	1.6	1.6	1.8	22	2.6	2.8	24	2.5	2.1	1.6	1.
9	0.9	0.7	0.6	0.6	1.0	1.7	2.5	28	2.5	2.9	2.7	2,4	2.1	1.8	1,0	2.0	2.1	2,4	21	28	£i	23	1.9	1.
10	1,0	0.7	0.6	85	0.7	1.1	1.8	2.4	2.7	2.5	2.9	2,7	2.4	22	2.0	3,0	2.1	2.5	2.5	2.7	12.7	2.5	2.1	1.
18:	12	0.9	0.7	0.5	,0.5	68	1.2	1.80	23	2.7	2.8	2.8	2.7	25	23	22	2.2	2.5	2.4	2.5	2.6	25	2.2	1.
12 50				-3/4				C 1				2.7				-0.1					2.6	2.6	23	21
3	1.7	5.5	1.2	1.0	0.8	0.7	0.7	1.0	1.3	18	22	2.5	2.7	2.8	2.8	2.7	25	2.4	25	22	22	12	22	2.
4	1.9	4.7	1.5	1.3	1.1	1.0	0.9	0.9	1.1	1.4	1.8	2.1	2.4	27	28	28	2.7	25	2,4	22	20	1.9	1,9	21
5	2.0	5,9	1.9	1,7	1.5	1.6	12	1.1	1.0	1.1	1.4	1.8	2.1	25	2.7	28	28	2.6	24	2.2	1.9	1.7	1.6	1.
16	1.8	2.0	21	2.1	20	18	1.6	14	12	12	1.7	15	1.8	22	25	2.7	28	27	25	22	19	1.6	14	+
17	100			-10								1.3				-0.0								
18	1.1	1.4	1.9	2.3	26	2.6	25	23	2.0	1.7	1.5	1.4	15	1.8	2.1	2.5	2.7	2.7	2.5	23	1.9	1.5	12	1.0
0.0	0.9	10	1.5	2.1	2.5	28	2.8	27	2.4	2.0	1.7	1.6	1.5	1.6	20	2.4	2.6	2.7	2.6	23	2.0	1.6	1.3	1.0
0	0.8	0.8	1.1	1.7	23	27	30	3.0	28	2.4	2.0	1.8	1.6	1.6	1.9	22	26	27	2.7	2.4	2.1	1.7	13	1.0
1	0.8	0.7	0.8	13	1.9	24	29	3.0	3.0	27	25	2.0	1.8	17	18	2.0	25	27	27	2.6	22	18	1.6	
72	100			100								23											15	
73	0.9	0.7	0.6	0.7	12	1.8	25	2.9	30	3.0	2.8	2.5	22	1.9	1.9	1.9	2.2	25	27	2.7	25	22	1.7	1.
M.	2000							- 1				2.7				0.0				-				
8	1.1	0.9	0.7	0.7	0.8	1.1	1.7	23	2.7	29	2.9	2.8	24	23	2.1	2.0	2.0	2.2	23	25	2.5	2.4	2.1	1.
		10	0.8	0.7	08	10	14	14	24	27	78	28	**	95	23	21	-	21	22		23	21	21	
	100											2.7												
, (900				500				25				700								
9	.55											23				7.7								
10												2.0								200				
																33				-33				
1	1.0	4.7	4.8	1.7	1.9	4.9	1,0	1.7	1.7	1.0	1.7	1.8	2.1	23	45	4.0	4.5	24	21	13	1.5	1,4	1.5	1

Oct.1-3, 2013 : Normal Situation

Oct.4, 2013: Typhoon WUTIP caused heavy rain resulted to water flowing in Phase 6C, 7, 8, 9



Road area in front of Rent (Thailand) Phase 8



Road area at entrance to Phase 9



Road area in front of Thai NOK Phase 8



Connecting Road to Phase 6C, 7, 8



Oct. 5, 2013 Water Level increased more due to continually heavy rain



Mr.Komsan Eakachai, Chonburi Provincial Governor, Investigated water situation at AMATA Nakorn



Road Area at Phase 9



Water Pumps at Frontage Road under motorway bridge



Meeting with some customers in Phase 7-9 affected from water



Oct. 6, 2013 Water Level increased due to continually heavy rain



Meeting between IEAT and AMATA to analyze the water situation



Connecting Road to Phase 6C, 7, 8

Merging innovative technology with environmental sustainability



Oct. 7, 2013 Water Level remained, AMATA installed more water pumps for rapidly draining



Road area at entrance to Phase 9



Additional Water Pumps Installation beside Siam DENSO Manufacturing Co.,Ltd.



Connecting Road to Phase 6C, 7, 8



Oct.8, 2013 Explanation Meeting on Water Situation Update & Protection Plan with Customers by IEAT and AMATA Provided Sandbags to customers affected.



Mr.Suphap Kleekachai, Advisor to Minister of Industry
Dr.Verapong Chaiperm, Governor of IEAT
Mr.Viboon Kromadit, Director, CMO and Acting COO of AMATA
jointly participated in a meeting to analyze the water situation
at AMATA Nakorn

Mr.Prasert Boonchaisuk, Minister of Industry,
Mr.Witoon Simachokedee,
Permanent Secretary of Ministry of Industry
visited AMATA Nakorn to analyze the water situation





Oct.8, 2013 Explanation Meeting on Water Situation Update & Protection Plan with Customers by IEAT and AMATA Provided Sandbags to customers affected.



Many Customers attended Meeting



AMATA provided free sandbags to customers affected.



AMATA operated fire engine for water drainage to reduce water level



In front of OTA Park Phase 7



Oct.9, 2013 Water Level reduced in some areas. AMATA installed additional water pumps, water pushing machines with Military Force Support for containing sandbags at AMATA Nakorn



Mr.Prasert Boonchaisuk, Minister of Industry
Dr.Veerapong Chaiperm, Governor of IEAT
Lt.Gen Teerachai Nakwanich, 1st Army Commander
Mr.Viboon Kromadit, Diecrtor, CMO and Acting COO
of AMATA joined the meeting on Water Situation
Update and Investigated at AMATA Nakorn



Mr.Chadchart Sittipunt, Minister of Transport Investigated water situation at AMATA Nakorn



Oct.9, 2013



Install additional water pushing machines into several canals concerned



Install additional water pumps into several canals concerned



1st Army supported Military Force helping to contain sandbags



Oct.10, 2013 Water Level significantly reduced, some water left only in some areas, with support of GMC Military Trucks, Police Force to facilitate traffic & traveling for employees working in AMATA Nakorn, More pumps installed



Mr.Prasert Boonchaisuk, Minister of Industry
Mr.Jakkarat Lertopas, Deputy Governor of IEAT
Representative from 1st Army Commander,
Followed up and analyze the water situation
at AMATA Nakorn



Oct.10, 2013 Water Level significantly reduced, some water left only in some areas, with support of GMC Military Trucks, Police Force to facilitate traffic & traveling for employees working in AMATA Nakorn, More pumps installed



In front of OTA Park Phase 7, only little bit water left



Police Force support for traffic facilitation



Additional Water Pumps were continually installed in several canals concerned to reduce water level in AMATA Nakorn



1st Army supported GMC Military Trucks to pick-up and drop-off employees working in AMATA Nakorn Phase 7-9



At Entrance to Phase 9
Water Level significantly
reduced and almost
returned to be normal.
Open traffic way inside,
can turn left
(minor way)



Oct.11, 2013 Some water left in some areas only, Installed more water pumps & water pushing machines,
Open traffic way at entrance to Phase 9 (main way), Phase 7-8 areas returned to normal situation.



Install additional water pushing machines into several canals concerned



Install additional water pumps at Klong Phan Thong Water Gate



At Entrance to Phase 9
Water Level significantly reduced and almost returned to be normal.

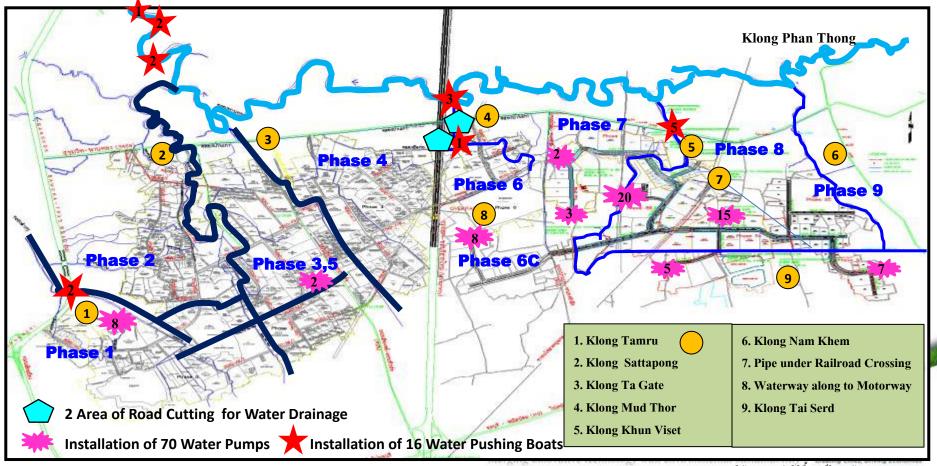
Open traffic left way (main way)



Operating Measures by AMATA

- Installed 70 water pumps with capacity at 70,000 cubic meter/hour
- Installed 25 water pushing machines/boats in Klong Mud Thor,
 Klong Khun Viset and Klong Phan Thong
- Installed 11 water pumps at Phan Thong Water Gate
- Improved floodway along Road No. 3466 Bankao Phan Thong
- Provided more than 30,000 sandbags to customers, and prepared 15,000 spare ones
- Excavated Siam Denso Entrance at Motorway frontage road.
- Installed Water Pushing Machine under the Motorway Bridge

Installation of Water Pumps, Water Pushing Machines and Road Cutting Area for Water Drainage at AMATA Nakorn



70 Water Pumps installed in AMATA Nakorn



Phase 7



Entrance to Phase 7



Entrance to Phase 7



Soi Oishi



Beside NGK





Phase 9



Phase 6C



Beside MHI-Pornchai



Crossroad OTA Phase 7



Phase 8



11 Water Pumps installed at area of Phan Thong Water Gate





25 Water Pushing Machines/Boats installed in Klong Khun Viset, Klong Mud Thor, Klong Phan Thong









Provided more than 30,000 sandbags to customers and prepared 15,000 spare ones





Coordinated with Department of Highways to drain water from Road No. 3466 Bankao - Phan Thong





Excavated Siam Denso Entrance at Motorway frontage road.





Merging innovative technology with environmental sustainability

Installed Water Pushing Machine under the Motorway Bridge





Flood Protection Dikes supported by IEAT





Provincial Police Region 2

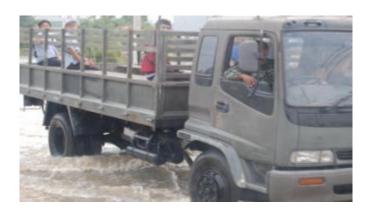








Military Circle 14th and Infantry Regiment 21st, Royal Guard Unit









9 GMC Military Trucks

Pictures of CSR Activities for helping flood victims of local communities during October 2 – 11, 2013 by AMATA CORPORATION PCL



T. NONGKAKHA, A. PANTHONG; Survival Bags 50 Sets







T. MABPONG, A. PANTHONG; Survival Bags 500 Sets









AMATA
Creating Cities, Driving Economies

Merging innovative technology with environmental sustainability

T. NONGTUMLUENG, A. PANTHONG; Survival Bags 200 Sets









AMATA
Creating Cities, Driving Economies

Merging innovative technology with environmental sustainability

T. KOKKHEENON, A. PANTHONG; Survival Bags 350 Sets











10/10/2013

T. KOKKHEENON, A. PANTHONG; Survival Bags 350 Sets





T. NAPRATHAT, A. PANTHONG; Survival Bags 400 Sets











11/10/2013

T. NAPRADU, A. PANTHONG; Survival Bags 500 Sets





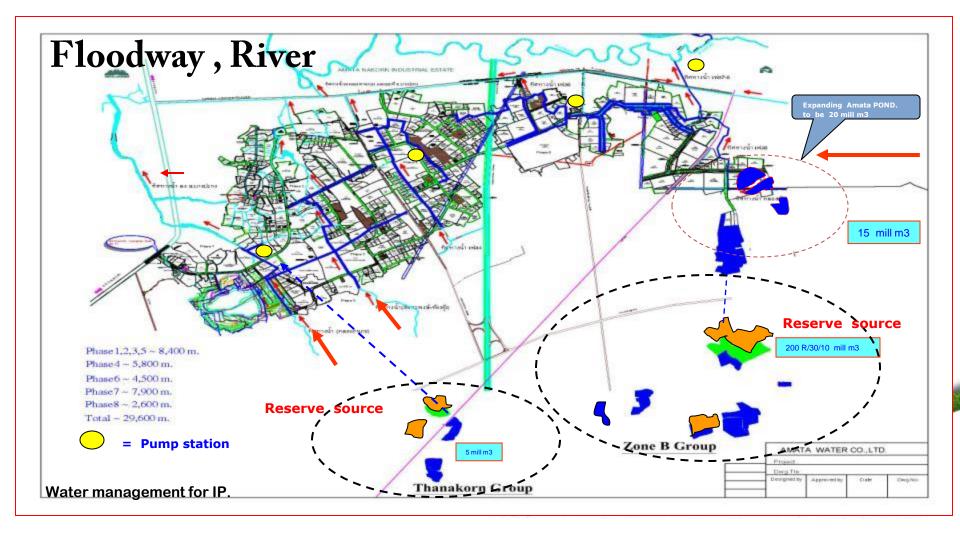




Merging innovative technology with environmental sustainability

6. Measures to cope with flood management by AMATA Nakorn

Measures	Emergency Situation
1. Reinforce & Increase Height of dikes	1. Plus 24 hours Surveillance Guards
2. Install more permanent numbers of water pumps and water pushing machines/boats ready or water drainage	2. Install water pumps at Phan Thong Water Gate
3. Improve drainage capacity system (both inside and outside AMATA Nakorn)	3. Prepare sandbags , flood protection dikes , big bags to serve emergency cases
4. Closely Coordinate with related government sectors	
5. Increase Reservoir Capacity	













Total Current Capacity of AMATA Reservoirs = 15 million cubic meters





Increase Capacity of AMATA Reservoirs



Surveillance Area

One Main Surveillance Area

Klong Phan Thong Water Gate

Seven Minor Surveillance Areas

Five Areas inside AMTA Nakorn

1st Surveillance Area In front of AMATA Nakorn Industrial Estate

2nd Surveillance Area At area of central canal in front of DENSO (Thailand) Co.,Ltd.

3rd Surveillance Area Klong Serd at Phase 8 area

4th Surveillance Area The entrance to Phase 9

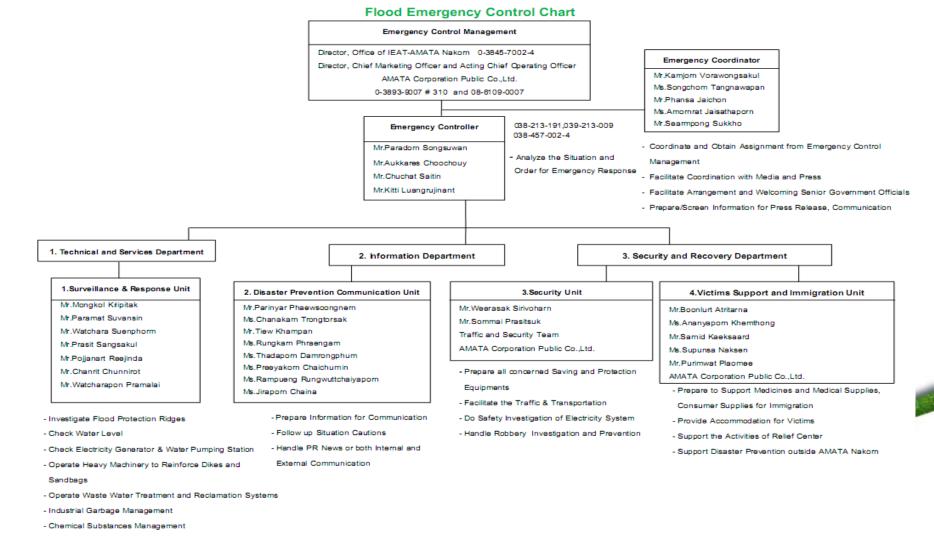
5th Surveillance Area Canal in front of Phase 6C

Two Areas outside AMATA Nakorn

1st Surveillance Area Panasnikhom District Area

2nd Surveillance Area Phan Thong District Area





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