

表-1 稼働中の処理場

No.	Municipalities Districts	Type of System	Capacity (m ³ /Day)		Construction Cost (million BAHT)	Starting year	Situation
			Now	All Project			
1	CHANTABURI	SP	10,000	22,000	297	4/1/97	Repair pipe line
2	CHIANG-MAI	AL	55,000	55,000	491	4/1/98	sometime running
3	NORTH SAEN SUK	OD	14,000	14,000	668	12/1/95	WMA take care
4	SOUTH SAEN SUK	OD	9,000	12,000	248	12/1/95	WMA take care
5	PATTAYA(M&S)	RBC	13,000	13,000	87	9/1/86	Running
6	NA-CHOMTHEIN	CFF&AS	20,000	20,000	394	7/1/94	Running
7	KHON KAEN	SP	26,000	46,300	50	5/1/89	MOSTE improve
8	NAKORN RATCHASIMA	SP	32,000	38,000	89	4/1/86	MOSTE improve
9	SRJ RACHA	OD	18,000	24,000	325	4/1/97	Sometime running
10	ANG THONG	AL	8,000	8,200	181	3/1/95	Stop
11	SAXONNAKHON(1&2)	SP	8,000	8,200	336	3/1/98	sometime running
12	PANUS NIKOM	SP	2,000	3,400	15	8/1/86	Running
13	PHUKET	OD	12,000	36,000	398	6/1/97	Running
14	PATONG/PHUKET	OD	5,250	9,000	65	6/1/89	Running
15	UBONRACHATHANEE	AL	22,000	22,000	354	8/1/98	Sometime running
16	PHACHUPKHIRIKHAN	AL	8,000	8,500	200	4/1/98	sometime running
17	HUA HIN (1)	RBC	8,000	8,000	53	8/1/92	Running
18	PICHIT	SP(AL)	6,000	12,000	180	4/1/97	Running
19	LEAM CHABANG	OD	25,000	25,000	180	8/1/95	Sometime running
20	NAKHON PATHOM	SP	25,500	60,000	249	11/1/94	Running
21	TRANG	SP	20,100	24,000	250	9/1/98	sometime running
22	PA-YAO	SP	8,000	8,000	200	9/1/98	sometime running
23	NAKHON AYUTTHAYA	OD	22,500	24,000	350	9/1/98	sometime running
24	PATHUM-THANI	OD	9,800	11,000	340	12/1/99	Stop
25	CHAI NART	SP	3,500	6,000	204	6/1/96	PWD take care
26	POTHARAM	OD	4,000	4,000	56	6/1/98	Sometime running
27	BAN-PONG	SP	6,000	6,000	84	6/1/98	sometime running
28	CHACKENSAO	OD	12,000	24,000	240	10/1/98	PWD take care
29	RA-YONG	AL	56,000	56,000	319	1/1/99	Stop
30	BAN-PA(RAYONG)	OD	7,100	8,000	230	11/1/98	sometime running

表-2

Sewerage Projects under PWD

No	STP	Construction Year	Cost (MB)	Treatment Capacity (m ³ /d)	Treatment Method	Remarks
	(PWA Covered Area) (MWA Covered Area)					
1-1	Pattaya	1st:1984-1985	27	4,000	RBC	Operation
	Kasem Suwan	2nd:1989-1991	31	4,000	RBC	Operation
1-2	Pattaya, #17	1989-1991	39	5,000	RBC	Operation
1-3	Pattaya, Jomtien	1992-1994	359	20,000	AS	Operation
2	Pathong/Phuket	1988-1994	377	5,250	OD	Operation
3-1	Hua Hin	1st:1989-1991	43	8,000	RBC	Operation
* 3-2	Hua Hin	2nd:1995-1997	310	15,000	OD	Const.
4	Khon Kaen	1988	59	25,000	SP	Operation
5	Nakon Rachasima	1989	89	38,000	SP	Operation
6	Nakhon Pathom	1994	250	26,000	SP	Operation
7	Phana (Nakhon)	1992	15	2,200	SP	Operation
8	Ang Thong	1994-1995	180	8,000	AL	Not-Operation+ FC
9	Phuket	1994-1996	388	12,000	OD	Operation
10	Laem Cha Bang	1994-1996	179	20,000	OD	Not-Operation
11-1	San Suk, North	1994-1995	318	14,000	OD	Operation
11-2	San Suk, South	1994-1995	242	9,000	OD	Operation
12	Sri Racha	1993-1996	325	22,000	OD	Operation
13	Chiang Mai	1993-1996	491	55,000	AL	Operation
14	Chonburi	1993-1996	300	17,500	SP	Const.
15	Ubon Ratchasani	1993-1996	361	22,000	AL	Operation
16	Chong Mee/Ubon	1994-1995	55		Pipe only	Const.
17	Ravong	1995-1998	319	32,000	AL	Const.
* 18	Songkhla	1995-1999	300	35,000	AL	Const.
19	Trang	1995-1998	250	24,000	SP	Const.
* 20	Chumphon	1995-1998	200	12,000	SP	Const+(FC)
21	Chai Nat	1995-1998	204	4,000	SP	Const+FC
22	Pattani	1995-1999	348	21,000	SP	Const.
23	Phayao	1995-1998	200	4,000	SP	Const.
24	Chachoengsao	1995-1998	240	21,000	OD	Const.
* 25	Pracha Niwet Area Nonthaburi	1995-1998	617	38,500	AS	Const+FC

Table 1-1 Sewerage Projects under PWD (cont.)

No	STP (PWA Covered Area) (MWA Covered Area)	Construction Year	Cost (MB)	Treatment Capacity (m ³ /d)	Treatment Method	Remarks
26	Prachuap/Kiri Kan	1995-1998	200	8,500	AL	Const.
27	Ayutaya	1995-1999	350	22,500	OD	Const+FC
28	Ban Pac/Rayong	1995-1998	230	7,100	OD	Const.
29	Pathum Thani	1995-1999	340	9,800	OD	Const+FC
30	Bang Pong	1995-1998	140	6,000	SP	Const.
31	Polharam	1995-1999	140	5,000	OD	Const.
32	Samu Island	1995-1999	120	2,400	OD	Const.
33	Pichit	1995-1997	180	12,000	AL	Operation+ (FC)
34	Krabi	1995-1999	200	10,300	AL	Const.
35	Sakon Nakhon	1995-1997	250	8,000	SP	Operation
36	Supanburi & Uthong (2 plants)	1st: 1995-1997 *2nd: 1997-1999	270 290	11,400 5,500	SP	Const+ (FC)
37	*Cha-Am	1997-1999	363	17,000	AL	Const.
38	*Chon Buri	1997-1999	571	2,200	SP	Const.
39	*Kanchana Buri	1997-1999	498	24,000	OD	Const.
40	*Saraburi	1997-1999	363	36,000	OD	Const.
41	*Rachaburi	1997-1999	363	22,000	SP	Const.
42	*Sing Buri	1997-1999	291	9,500	AL	Const+FC
43	*Chiang Rai	1997-1999	394	32,000	AL	Const.
44	*Phitsanulok	1997-1999	394	15,000	SP	Const+ (FC)
45	*Bun Ratan	1997-1999	259	16,000	AL	Const.

SP = Stabilization Pond, AL = Aerated Lagoon, OD = Oxidation Ditch

AS = Activated Sludge, RBC = Rotating Biological Contactor

FC = Expected Flood Prevention Project (FS/DD undergoing)

(FC) = Expected Flood Prevention Project (FS/DD expected)

* = Start in 1997 fiscal Year of Thailand

* * = City Development Project

of plants in operation = 17 (14 cities) # of plants in not-operation = 2

of plants under construction = 31 (31 cities)

Total 46 cities are now promoting sewage works projects with 50 plants.

PWA = Provincial Waterworks Authority, MWA = Metropolitan Waterworks Authority

財政状況（タイ政府機関）

	項 目	1990年	1991年	1992年	1993年	1994年	1995年	1996年	1997年	1998年	1999年	2000年	2001年	2002年	2003年	2004年	2005年
P W D	一般収入		5248	7385	12232	13015	17295	28111	37538	24939	24725	21606	21153	29861	28821	29721	28870
	下水道収入	282	332	717	1705	2661	2862	2895	3236	2208	1439	1421	1567				
	一般支出		600	783	1031	1557	1365	748	1708	1889	4155						
	下水道支出		4648	6602	11201	11458	15930	27363	35830	23050							
D O L A	一般収入					16	16.1	44.4									
	下水道収入					16	16.1	44.4									
	一般支出																
	下水道支出																
B M A	一般収入						17000	20400	24200	26400	24000						
	下水道収入																
	一般支出	8589	9766	10053	11494	13774	17000	20400	24200	3E+05	24000						
	下水道支出						1712	2875	3099	3159	2401						
P C D	一般収入			91.89	203.9	367.9	526	675.9	12144	525.3	251.8						
	下水道収入																
	一般支出																
	下水道支出																
W M A	一般収入							34395	29311	31446	28245						
	下水道収入																
	一般支出							1715	24369	44926	38759						
	下水道支出																
O E P P	一般収入					112.4	80.34	2903	2187	1570	2221	1118	1500				
	下水道収入					112.4	80.74	2903	2187	1558	2226	32.5	35	38	42	46	51
	一般支出																
	下水道支出																
D E Q P	一般収入			11.65	20.39	25.57	41.4	62.32	53.81	45.89	39.53	70.44	54.98	60.47	66.52	73.18	80.49
	下水道収入			0.24	0.35	0.48	0.68	0.89	0.85	0.41	0.48	0.56	0.5				
	一般支出			10.85	17.98	17.1	17.1	39.59	35	32.77	32.77	39.15	44.48	48.92	53.82	59.2	65.12
	下水道支出			0.24	0.44	0.48	0.68	0.89	0.95	0.41	0.48	0.64	0.48	0.12	0.21	0.28	0.4

(百万パーツ)

2006年	2007年	2008年	2009年
56	62	68	75
88.54	97.40	107.1	117.84
71.64	78.8	86.68	95.35
0.32	0.29	0.35	0.42

表-4(1/2) バンコクの下水処理場

Table 1-2 Wastewater Treatment Plants in Bangkok

	SI Praya	Ratanakosin	BKK Central (STAGE 1)	Yamaha	Hong Khaem	Ratburana	Stage-4
	(1)	(2)	(3)	(4)	(5)-1	(5)-2	(6)
Catchment Area (km ²)	2.7	4.1	37	28.5	44	42	33.4
Sewered Population (1000 persons)	120	70	1,080	580	377	235	433
Treatment Process	Activated Sludge Process with Contact Stabilization	Two Stage Activated Sludge Process	Activated Sludge Process	Activated Sludge Process	Activated Sludge Process	Activated Sludge Process	Activated Sludge Process
Site Area (ha)	0.16	0.64	2.72	3.2	8.95	1.44	1.12
Capacity (m ³ /d)	30,000	40,000	350,000	200,000	157,000	65,000	150,000
Construction Cost(100MB)	4.8	8.8	84	47	36	29	(37)
Construction Period	27/03/1991 23/12/1993	30/09/1993 */10/1997	01/11/1993 */31/12/1997	24/07/1995 23/07/1999	19/09/1994 18/09/2000		11/2/1997 11/2/2001
Budget Composition	BMA 100%	Subsidy 100%	Subsidy 75% BMA 25%	Subsidy 60% BMA 40%	Subsidy 60% BMA 40%	Subsidy 60% BMA 40%	Subsidy 60% BMA 40%
Design		PTACT	Nosa Consonium	Sunsung Co.,Ltd. Lotte Co.,Ltd.	Premier Enterprise Public Co.,Ltd.		
Construction	Hydrater Co.,Ltd. S.T.Engineering Co.,Ltd.	Federal Construction Co.,Ltd. Siam Syntech Construction Co.,Ltd.	Nosa Consonium	Sunsung Co.,Ltd. Lotte Co.,Ltd.	Premier Enterprise Public Co.,Ltd.		
Operation							
Supervising		ACT Consultant Co.,Ltd. PCT, Co.,Ltd.	DORSCH Consult & Associates	Metcalf & Eddy International Thal Engineering Consultants	CH 2 M Hill International Co.,Ltd. Epsilon Co.,Ltd.		
	*delay about one year						

表-4 (1/2)

Table 1-2 Wastewater Treatment Plants in Bangkok (cont.)

	Klong Toey 7	Thonburi 8	Nong Bon 9				
Catchment Area (km ²)	57.2	51.2	58.0				
Served Population (1000 persons)	694	1,281					
Treatment Process	Activated Sludge Process	Activated Sludge Process					
Site Area (ha)							
Capacity (m ³ /d)	261,000	518,000	125,000				
Construction Cost (100M฿)	34.7	54.3	37.0				
Construction Period							
Budget Composition	Subsidy 60% BKA 40%	Subsidy 60% BKA 40%	Subsidy 80% BKA 40%				
	SAPROF report March, 1994	SAPROF report March, 1998					

图-1 PWD 组织图

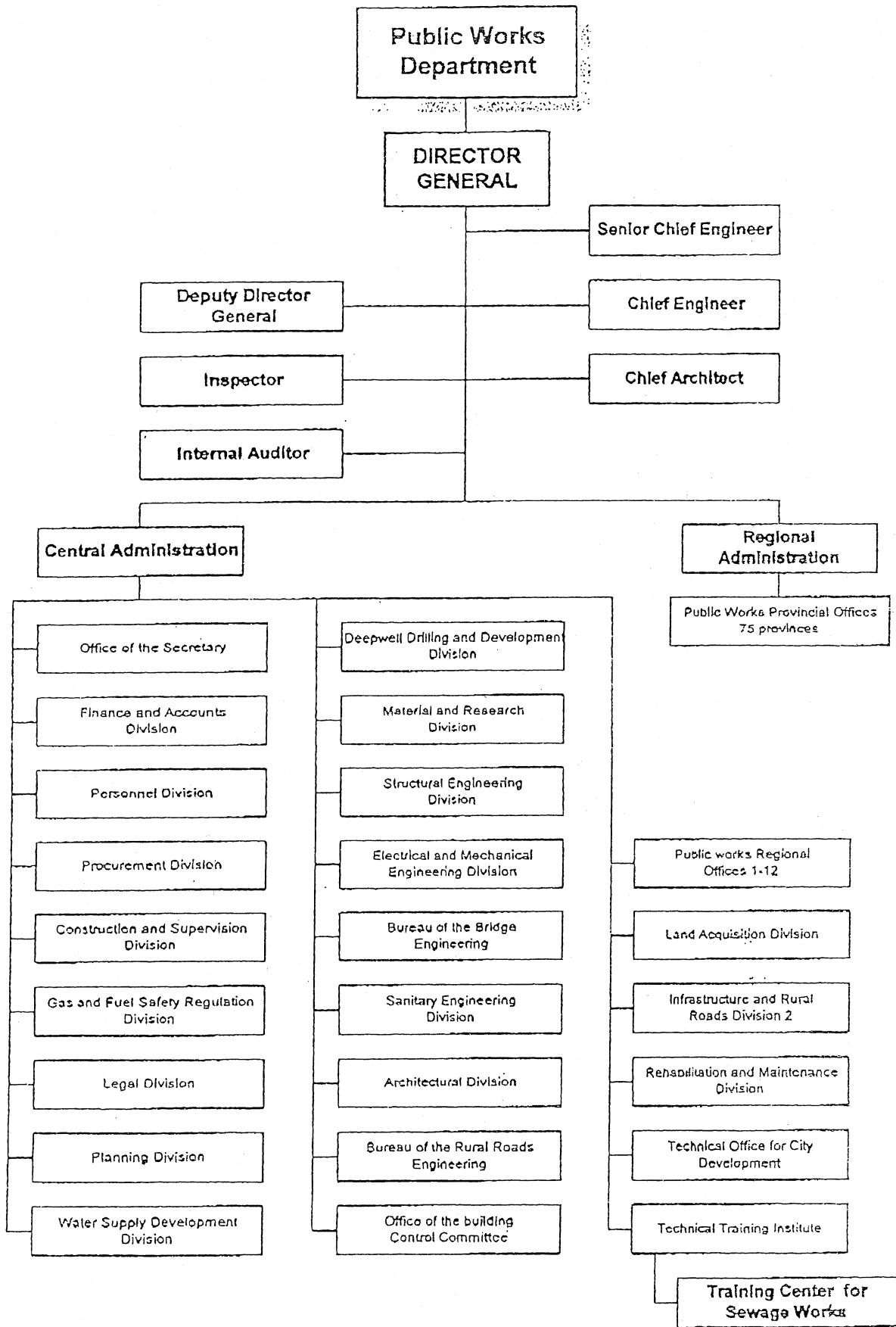
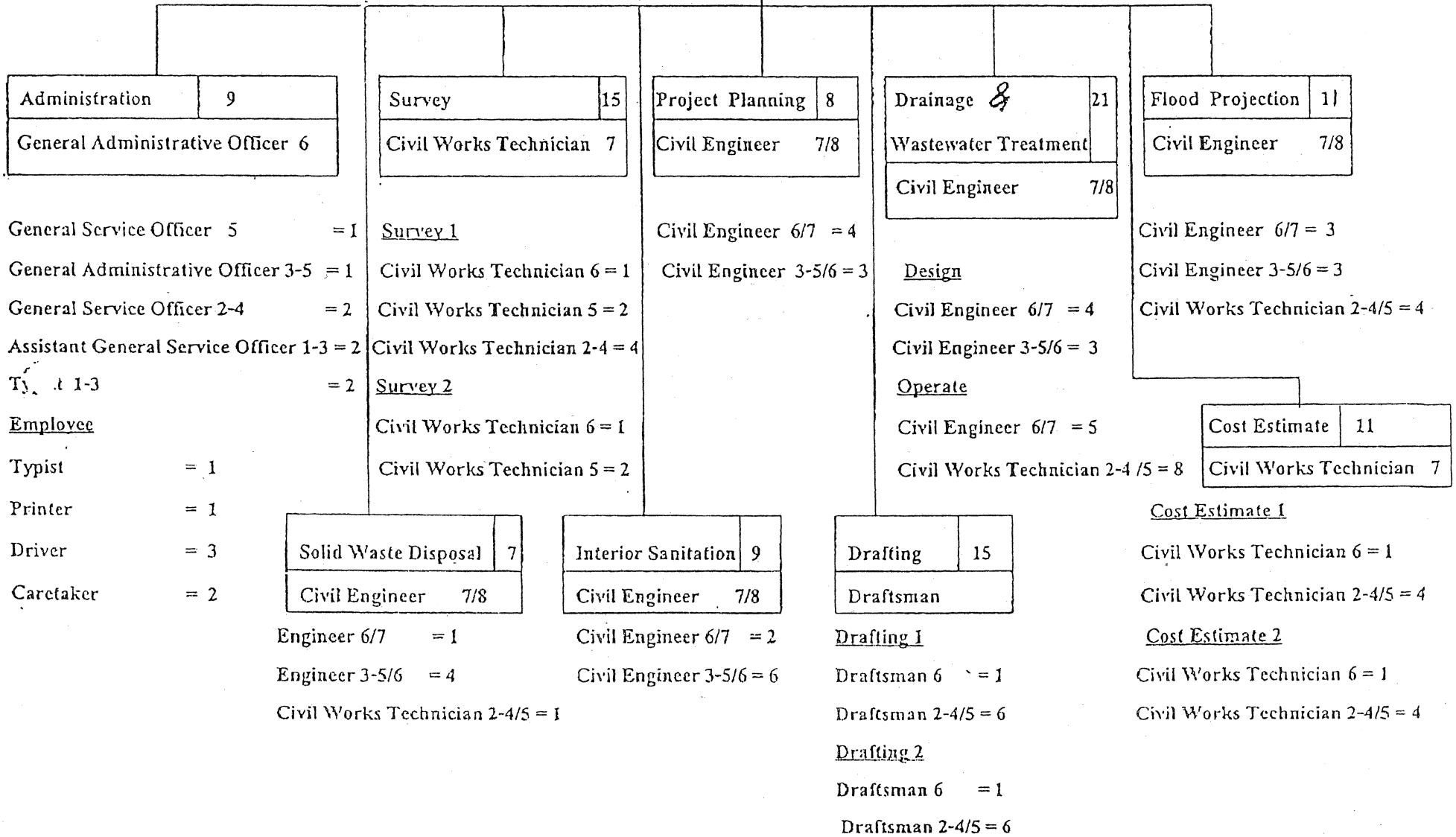


Figure 1.2.2 Organization Chart of PWD

Sanitary Engineering Division	107
Director	1
Civil Engineer	8



Material and Research Division (78) → 388人
Civil Engineer 8 ⇒ 9

~~廢止~~

Administrative staff	7	Soil Engineering	14	Highway material	10	Material Engineering	15	Water quality Analysis	27	Standard and Code	4
		Sub - Division		Sub - Division		Sub - Division		Sub - Division		Sub - Division	
General Administrative		Civil Engineer 8		Civil Engineer 7		Civil Engineer 8		Scientist 3		Civil Engineer 8	

General Administrative 3-5 = 1	Civil Engineer 3-5 or 6	Civil Engineer 3-5 or 6	Civil Engineer 3-8 = 4	Scientist 3-5	Mechanical Engineer 7 = 1
General Service Officer	or 7 or 8 = 4	or 7 or 8 = 1	Civil works Technical 2-4	or 6 or 7 = 14	Civil Engineer 3-5
2-4 or 5 = 4	Civil works Technician	Civil works Technician	2-4 or 5 or 6 = 6	Laboratory Technician 1-3	or 6 or 7 = 2
Assistant General	2-4 or 5 or 6 = 6	2-4 or 5 or 6 = 5	Assistant Civil works	or 4 = 12	
Service Officer 1-3 or 4 = 1	Assistant Civil works	Assistant Civil works	Technician 1-3 or 4 or 5 = 4		
	Technician 1-3 or 4 = 3	Technician 1-3 or 4 = 3			

<u>Employee</u>	<u>Employee</u>	<u>Employee</u>	<u>Employee</u>	<u>Employee</u>
Typist = 2	Soil Test Officer = 4	Soil Test Officer = 2	Assistant Technician = 4	Lab Worker = 1
Driver = 6	Soil Drill Officer = 3	Worker = 1	Worker = 3	Worker = 1
Caretaker = 1				

新設

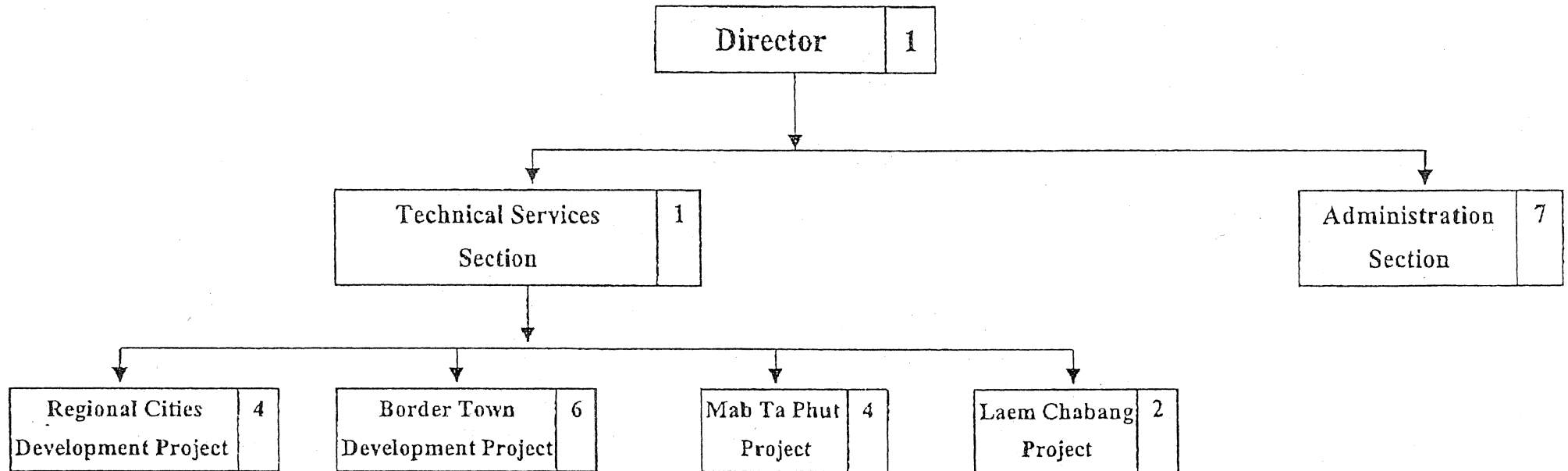
R & D
sub-Division

Test & Inspection
sub-Division

圖-4 TOCD 組織圖

Organization Chart

Technical Office for Cities Development (TOCD)



Scope of Works

- Master Plan/Feasibility Study
- Detailed Design
- Land Reclamation
- Construction Supervision
- Monitoring

4-5 TTI 組織圖

Technical Training Institute

Administrative Staff	18	Planning and Evaluation Division	9	Technical Group	24	Training Administrative Division	51	Training Center Sewage works	12
General Administrative Officer 7		HRD 8		Engineer 8		Engineer 8 / HRD 8		Engineer / Scientist 8	

<u>General Administrative Section</u> 14	<u>Plan Project Section</u> 4	(1) <u>Administration</u> 3	<u>Training Administrative</u> 4	<u>R & D</u> 5
General Administrative Officer 6	HRD 7	HRD 3-5/6 = 3	HRD 7	Engineer 6/7/8 = 4
General Service Officer 2-4 = 3	HRD 3-5/6 = 3	(2) <u>Road/Bridge</u> 5	HRD 3-5/6 = 3	Scientist 7/8
Assistant General Service Officer 1-3/4 = 3	<u>Monitoring and Evaluation Section</u> 4	Engineer 6/7/8 = 5	<u>Training Technician</u> 16	<u>Technical and Publicity</u> 3
Data Entry Officer 1-3/4 = 7	HRD 7	(3) <u>Building/Leaning Wall/Structure</u> 5	HRD 7	Engineer 6/7/8 = 2
	HRD 3-5/6 = 3	Engineer 6/7/8 = 5	HRD 3-5/6 = 3	Scientist 6/7/8
		(4) <u>Water Supply/Ancient well</u> 5	Engineer 3-5/7/8 = 16	<u>Training Administrative</u> 3
		Engineer 6/7/8 = 5	Civil Technician	HRD 7
		(5) <u>Law section</u> 5	Officer 3-6 = 16	HRD 3-5/6 = 2
		Engineer 6/7/8 = 5	<u>Librarian/Audio Visual Section</u> 10	
		or Civil Works Technician	General Administrative Officer 6	Transfer Technology Center 12 Officer
		or Legal Officer	Audio Visual Officer 2-4 = 4	
			Audio Visual Officer 1-3 = 4	
			Librarian 3-5 = 1	<u>Technician Section</u> 8
				Engineer 5/6/7/8 = 5
				Civil Works Technician 3-5/6 = 3

** HRD = Human Resources Development Officer

圖-6 DOLA 組織圖

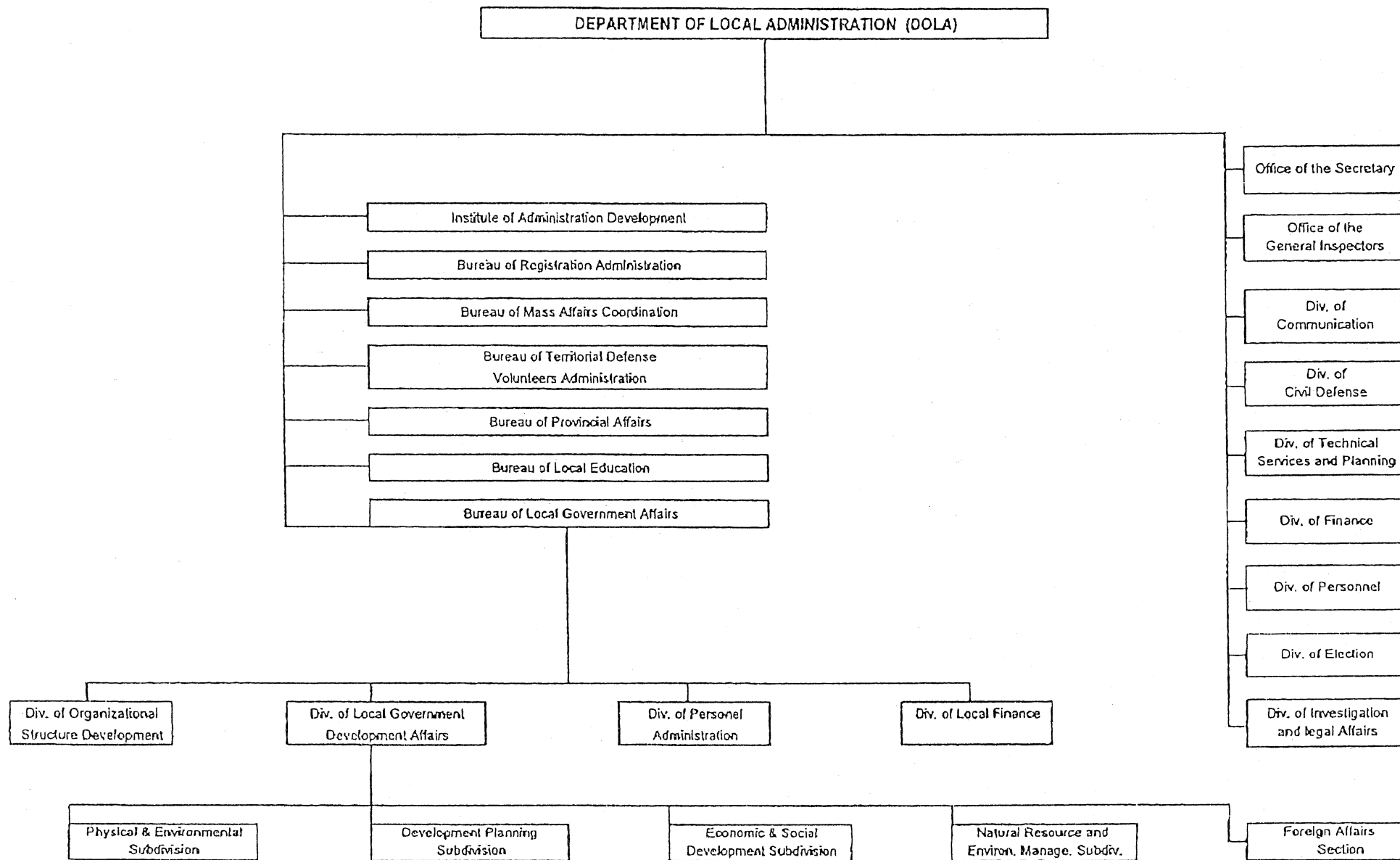


圖-7 DDS/BMA 組織圖

Organization Chart of Department of Drainage and Sewerage (DDS)

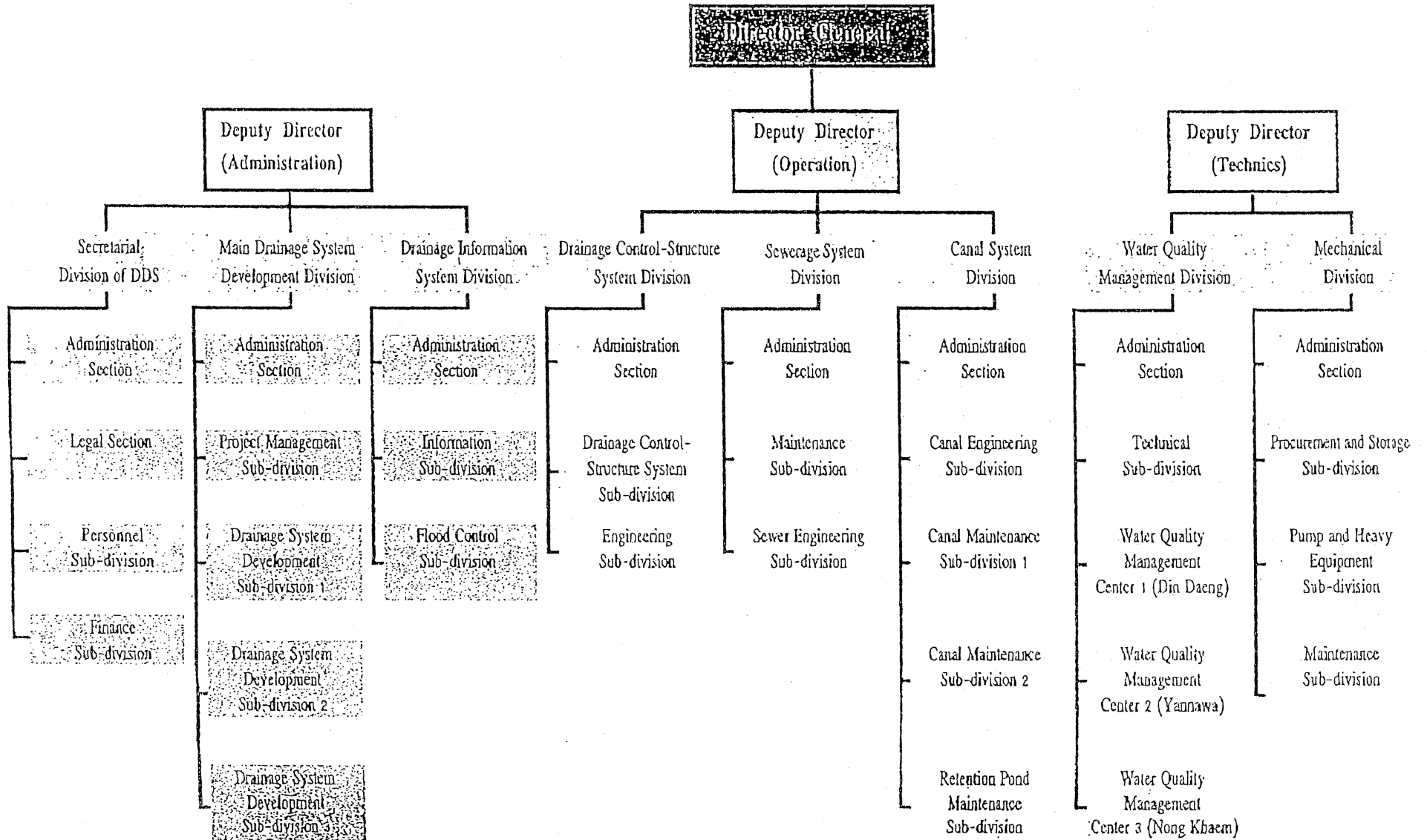


圖-3 MOSTE 組織圖

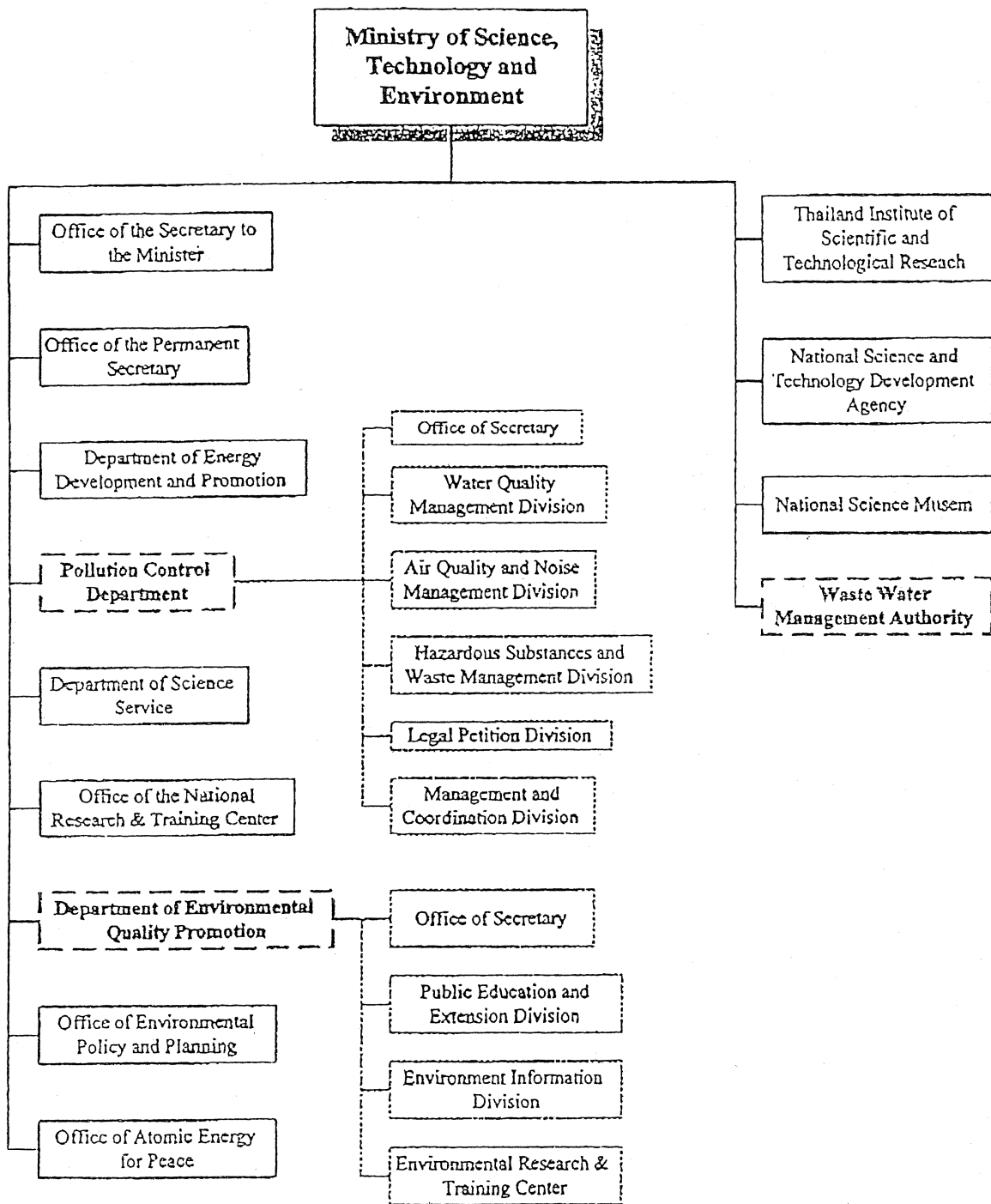


Figure 1.2.1 Organization Chart of MOSTE

FIG 1

NORTHERN REGION

- ON OPERATION
 1. MM CHANG MAI, CHANG MAI (AL) 22,000 cum/d
 2. MM PHU THIT, PHU THIT (AL) 9,000 cum/d
 3. MM NAI YA, NAI YA (SP) 8,000 cum/d
- ON CONSTRUCTION
 1. MM NAI, NAI (SP) 8,000 cum/d
 2. MM KAMPHANG PHET, KAMPHANG PHET (SP) 8,000 cum/d
 3. MM TAK, TAK (SP) 2,400 cum/d
 4. MT. MAE SOT, TAK (SP) 11,000 cum/d
 5. MM CHANG RAI, CHANG RAI (SP) 16,000 cum/d
 6. MM PHISANULOK, PHISANULOK (SP) 12,000 cum/d

NORTH EASTERN REGION

- ON OPERATION
 1. MM NAKHON RATCHASIMA, NAKHON RATCHASIMA (SP) 32,000 cum/d
 2. MT. PHU THAI, NAKHON RATCHASIMA (SP) 3,150 cum/d
 3. MM KHON KHAEN, KHON KHAEN (SP) 46,200 cum/d
 4. MM CHANTHABURI, CHANTHABURI (SP) 8,000 cum/d
 5. MM SAKON NAKHON, SAKON NAKHON
 - TAMBOON KUMARAJA (SP) 8,000 cum/d
 - TAMBOON KUMARAJA (SP) 8,000 cum/d
 - BAN SANGHAI (SP) 800 cum/d
 6. MT. PHALAPRACHAN, MAHA SARA NAKHON (SP) 12,000 cum/d
 7. MM UTHON RATCHATHANI, UTHON RATCHATHANI (AL) 22,000 cum/d
- ON CONSTRUCTION
 1. MM KHON KHAEN, KHON KHAEN (AL) 42,000 cum/d
 2. MM NAKHON RATCHASIMA, NAKHON RATCHASIMA (PHASE II)
 3. MM BURI RAM, BURI RAM (AL) 12,000 cum/d
 4. MM WAZEN CHANRAP, UTHON RATCHATHANI (AL) - cum/d

CENTRAL REGION

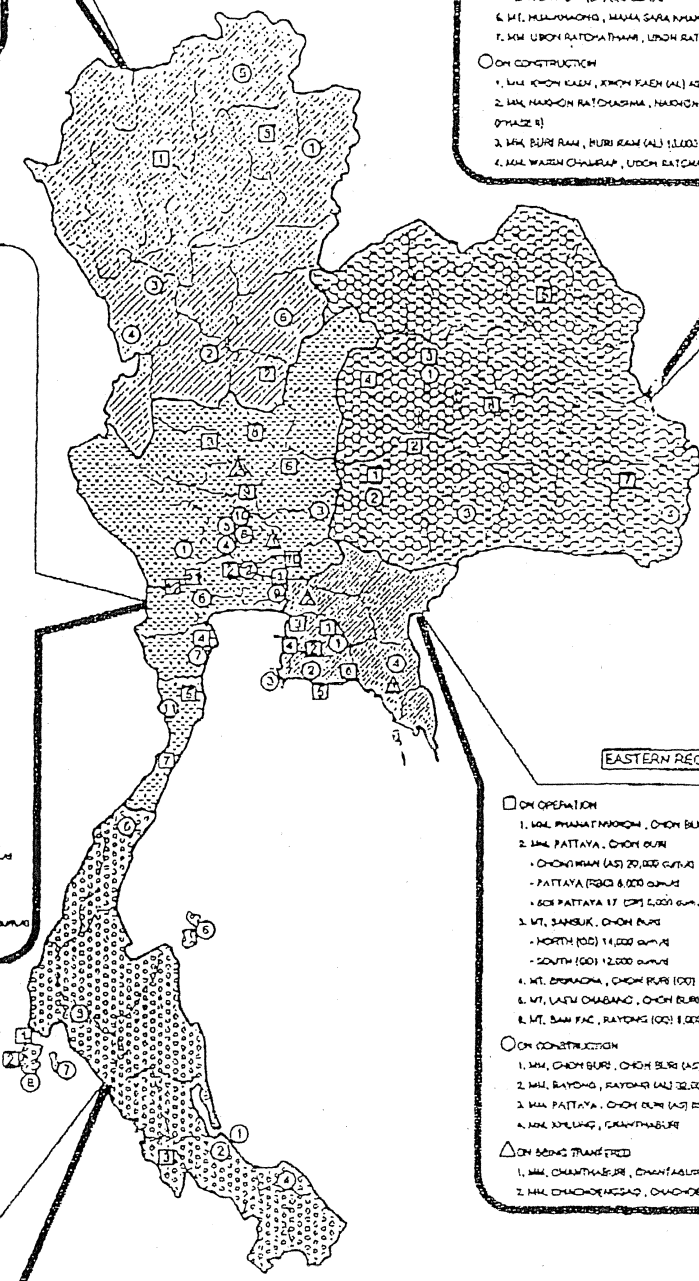
- ON OPERATION
 1. MM PHAYATHAI, PHAYATHAI (AL) 20,000 cum/d
 2. MM NAKHON PATHOM, NAKHON PATHOM (SP) 20,000 cum/d
 3. MM UTHAI THANI, UTHAI THANI (SP) 3,200 cum/d
 4. MM PHICHITABURI, PHICHITABURI (SP) 10,000 cum/d
 5. MT. MAE KHAM, PHICHITABURI (SP) 8,000 cum/d
 6. MM BAN HEE, LOP BURI (SP) 1,000 cum/d
 7. MM PRACHIN BURI, PRACHIN BURI (AL) 8,500 cum/d
 8. MM CHULASABHONG, NAKHON SIAM (SP) 1,000 cum/d
 9. MM ANG THONG, ANG THONG (AL) 8,500 cum/d
 10. MM PATHUM THANI, PATHUM THANI (OO) 11,000 cum/d
 11. MM BANGKOK, BANGKOK (SP) 6,000 cum/d
 12. MM PHOTHARAJ, RATCHABURI (OO) 4,000 cum/d
- ON CONSTRUCTION
 1. MM KANCHANABURI, KANCHANABURI (OO) 24,000 cum/d
 2. MM NONGBUEN, NONGBUEN (AL) 20,000 cum/d
 3. MM SARABURI, SARABURI (OO) 24,000 cum/d
 4. MM SUPHANBURI, SUPHANBURI (SP) 11,400 cum/d
 5. MT. U-THONG, SUPHANBURI (SP) 8,000 cum/d
 6. MM RATCHABURI, RATCHABURI (SP) 20,000 cum/d
 7. MT. CHULSI, PHICHITABURI (AL) 12,000 cum/d
 8. MT. PHANIKHA KACHA, PHANIKHA IN AYUTTHAYA (AL) 4,500 cum/d
 9. MM SANGHAT PHANIKHA, SANGHAT PHANIKHA (AL) 22,000 cum/d
 10. MM SANGHAT, SANGHAT (AL) 4,500 cum/d
 11. MT. MAE KHAM, PRACHIN BURI (OO) 32,000 cum/d
- △ ON BEING TRANSFERRED
 12. RATTANAKOSIN (AL) 40,000 cum/d
 13. CENTRAL TREATMENT PLANT-MAE II (AL) 200,000 cum/d
 14. CENTRAL TREATMENT PLANT-YANMAYA (AL) 200,000 cum/d
 15. CENTRAL TREATMENT PLANT-AI BURANA (AL) 20,000 cum/d
 16. CENTRAL TREATMENT PLANT-ANG THONG PHANIKHA CHANON (AL) 150,000 cum/d
 17. CENTRAL TREATMENT PLANT-MAE IV (AL) 160,000 cum/d
- △ ON BEING TRANSFERRED
 1. MM PHRA NAKHON SI AYUTTHAYA, PHRA NAKHON SI AYUTTHAYA (OO) 24,000 cum/d
 2. MM CHAI NAT, CHAI NAT (SP) 3,500 cum/d

EASTERN REGION

- ON OPERATION
 1. MM PHRATHONGKHON, CHON BURI (SP) 2,100 cum/d
 2. MM PATTAYA, CHON BURI
 - CHON MAI (AL) 20,000 cum/d
 - PATTAYA (SP) 8,000 cum/d
 - SOE PATTAYA II (SP) 5,000 cum/d
 3. MT. SANGKUK, CHON BURI
 - NORTH (OO) 14,000 cum/d
 - SOUTH (OO) 12,000 cum/d
 4. MT. BOPHONG, CHON BURI (OO) 13,000 cum/d
 5. MT. LATU CHABANG, CHON BURI (OO) 28,000 cum/d
 6. MT. BAN KAC, RAYONG (OO) 8,000 cum/d
- ON CONSTRUCTION
 1. MM CHON BURI, CHON BURI (AL) 28,000 cum/d
 2. MM RAYONG, RAYONG (AL) 20,000 cum/d
 3. MM PATTAYA, CHON BURI (AL) 25,000 cum/d
 4. MM KONGKONG, CHANTHABURI
- △ ON BEING TRANSFERRED
 1. MM CHANTHABURI, CHANTHABURI (SP) 17,000 cum/d
 2. MM CHANOHONGSAD, CHANOHONGSAD (OO) 24,000 cum/d

SOUTHERN REGION

- ON OPERATION
 1. MT. PATONG, PHUKET (OO) 5,250 cum/d
 2. MM PHUKET, PHUKET (OO) 12,000 cum/d
 3. MM TRANG, TRANG (SP) 20,100 cum/d
- ON CONSTRUCTION
 1. MM BANG KONG, BANG KONG (AL) 35,000 cum/d
 2. MM MAI YA, SONGKHO (SP) 171,000 cum/d
 3. MM KRABI, KRABI (AL) 8,000 cum/d
 4. MM PATTANI, PATTANI (SP) 24,000 cum/d
 5. MM CHANGKOR, CHANGKOR (SP) 11,000 cum/d
 6. MT. KO BANG, SURATTHANI (OO) 8,000 cum/d
 7. PHU PHU BANG, KO BANG (SP) 400 cum/d
 8. MM TRANG I (PHASE II), PHUKET (OO) 24,000 cum/d



NOTES: MM = MUANG MUNICIPALITY
MT = TAMBON MUNICIPALITY

STATUS OF WASTEWATER TREATMENT PLANTS IN THAILAND

図—10 各機関の役割

◎直接の業務、○関連業務

	PWD	DOLA	BMA	DEQP	PCD	OEPP	WMA	備考
ガイドライン (含 研究調査)	◎		◎	○	◎		◎	
情報 (Data Base)	○	○	○		○		○	
啓蒙		◎	◎	◎			◎	
人材育成	◎ TCSW	○	○	◎ ERTC	○	○	○	