

## Chapter 3 Present situation of major Egyptian ports

### 3.1 Outline of Egyptian ports

There are five major commercial ports in Egypt, namely Greater Alexandria Port (Alexandria and Dekheila port), Damietta Port, Port Said Port, Suez Port (including Adabiya Port) and Safaga Port. More than 90% of maritime traffic handled at commercial ports under the control of Ministry of Transport involves the five major ports in 1999.

Sidi Kerir Port and Ain Sukhna Port are connected with the Suez Mediterranean Pipeline (SUMED) which is in close relation with the Canal traffic.

As for container cargo, Greater Alexandria Port, Damietta Port and Port Said Port are the main container handling ports. In addition, Ain Sukhna Port and Adabiya Port opened new container terminals recently.

Table 3.1.1 Egyptian Ports and their Authorities

Name of Port	Authority	Location
Alexandria	Alexandria Port Authority	Mediterranean Sea
El-Dekheila	Alexandria Port Authority	7km west of Alexandria
Damietta	Damietta Port Authority	Estuary of east branch of River Nile, 250km east of Alexandria
Port Said	Port Said Port Authority	Northern head of the Suez Canal, 70km east of Damietta
Suez	Red Sea Ports Authority	Southern end of the Suez Canal, about 170km from Port Said
Adabiya		10km southwest of Suez
Safaga		Western shore of Red Sea
Hurghada		Western shore of Red Sea
Nuweiba		Western shore of Gulf of Aqaba
Ras Sudr		Eastern shore of Gulf of Suez
Sharm El-Shaikh		Tip of Sinai Peninsula
Sidi Kerir	Arab Petroleum Pipelines Company (SUMED)	27km southwest of Alexandria
Ain Sukhna		Western shore of Gulf of Suez, 54km south of Suez
Abu Zenima	Sinai Manganese Co.	Eastern shore of the Gulf of Suez
Geisum Terminal	The Egyptian General Petroleum Corporation	55km north of Hurghada
Ras Gharib		Western shore of Gulf of Suez
Ras Shukheir		Western shore of Gulf of Suez
Wadi Feiran		Eastern shore of Gulf of Suez
Hamrawein	Red Sea Phosphate Co.	Western shore of Red Sea
Kosseir	The Kosseir Phosphate Co.	Western shore of Red Sea
Mersa El-Hamra	Western Desert Petroleum Company (WEPCO)	Mediterranean Sea
Mersa Matruh	Naval	290km west of Alexandria
Ras Budran	Suez Oil Co. (SUOCO)	Eastern shore of Gulf of Suez
Zeit Bay		60km north of Hurghada

Source) Lloyd's Ports of the World 2000

### 3.1.1 Cargo throughput

Cargo handled in the five major ports increased steadily for the last 7 years reaching 54.1 million tons in 1999 as shown in Table 3.1.2. Among the five major ports, Greater Alexandria Port handled a cargo volume of 28.1 million tons accounting for 51.8% of the total cargo volume of the five major ports, followed by Damietta Port (22.4%), Suez Port (11.9%), Port Said Port (9.6%) and Safage Port (4.2%).

The volume of import cargo has been greater than that of export cargo, while import cargo has rapidly increased for the last 7 years and export cargo has leveled off for the last 5 years.

The major import commodities are general & container cargo, accounting for 10.5 million tons (24.6% of total import volume), wheat accounting for 6.2 million tons (14.7%), cement accounting for 5.3 million tons (12.5%) and maize accounting for 4.9 million tons (11.4%) in 1999 as shown in Table 3.1.3. On the other hand, the major commodity of export is petroleum accounting for 3.8 million tons (33.7% of total export volume), transit cargo accounting for 3.1 million tons (27.7%) and general & container accounting for 2.9 million tons (25.5%) in 1999 as shown in Table 3.1.4.

Table 3.1.2 Total Cargo handled by the Five Major Ports

(Unit: thousand tons)

Port/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Greater Alexandria										
Total	21,719	21,401	16,700	20,575	20,313	21,604	22,461	24,815	27,883	28,056
Import	18,274	17,165	12,460	15,594	14,984	16,764	17,915	19,944	23,274	22,878
Export	3,445	4,236	4,240	4,981	5,329	4,840	4,546	4,871	4,609	5,178
Port Said										
Total	3,057	2,933	3,267	3,230	4,571	6,479	6,183	6,945	4,553	5,214
Import	2,303	2,193	2,344	1,987	3,164	4,407	3,873	4,332	3,195	3,098
Export	754	740	923	1,243	1,407	2,072	2,310	2,613	1,358	2,116
Damietta										
Total	2,917	3,276	5,190	5,110	7,366	8,923	11,696	14,052	10,704	12,122
Import	2,636	2,544	3,789	3,476	5,340	6,722	8,516	10,299	8,824	9,600
Export	281	732	1,401	1,634	2,026	2,201	3,180	3,753	1,880	2,521
Suez										
Total	6,709	5,623	4,887	5,514	4,541	4,330	6,045	4,098	4,040	6,454
Import	6,063	4,111	3,412	3,131	2,368	2,106	3,185	2,557	2,687	5,279
Export	646	1,512	1,475	2,383	2,173	2,224	2,860	1,541	1,353	1,175
Safaga										
Total	2,014	1,634	1,598	2,105	1,943	1,397	1,958	1,463	2,228	2,266
Import	1,615	1,480	1,258	1,431	1,406	896	1,413	1,001	1,803	1,893
Export	399	154	340	674	537	501	545	462	425	373
Grand Total										
Total	36,416	34,867	31,642	36,534	38,734	42,733	48,343	51,373	49,408	54,111
Import	30,891	27,493	23,263	25,619	27,262	30,895	34,902	38,133	39,783	42,748
Export	5,525	7,374	8,379	10,915	11,472	11,838	13,441	13,240	9,625	11,363

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

Remarks) Transit cargo is included in this table.

Table 3.1.3 Commodity-wise Import Cargo handled by the Five Major Ports

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Flour	760	428	104	545	311	261	109	61	50	80
General & container	6,917	7,117	7,318	6,965	7,694	8,751	9,920	10,318	10,740	10,508
Sub-total	7,677	7,545	7,422	7,510	8,005	9,012	10,029	10,379	10,790	10,588
Grains										
Wheat	5,616	5,048	5,732	4,652	5,888	5,877	6,355	6,920	6,924	6,264
Maize	1,097	884	763	2,297	2,041	2,712	2,146	3,266	3,328	4,894
Sub-total	6,713	5,932	6,495	6,949	7,929	8,589	8,501	10,186	10,252	11,158
Dust & metals										
Cement	98	32	6	3	458	1,474	2,428	2,678	3,839	5,326
Aluminum	2,515	2,132	2,245	2,243	2,245	1,775	1,976	3,078	4,657	3,264
Coke	1,549	1,415	1,505	1,772	1,876	1,734	1,944	1,797	2,034	1,674
Phosphate	0	0	0	0	0	0	0	0	0	0
Others	0	0	11	33	369	535	1,136	888	645	1,935
Sub-total	4,162	3,579	3,767	4,051	4,948	5,518	7,484	8,441	11,175	12,199
Fertilizer										
Sub-total	602	569	138	288	158	262	397	207	203	188
Special cargo										
Sub-total	1,252	1,077	1,056	1,880	1,924	2,217	2,009	2,302	2,628	2,611
Liquid bulk										
Petroleum	9,290	6,806	2,114	2,040	1,155	1,184	2,315	1,658	1,875	1,793
Oil & grease	609	746	679	864	733	867	988	862	886	914
Molasses	0	0	0	0	0	0	0	0	0	0
Sub-total	9,899	7,552	2,793	2,904	1,888	2,051	3,302	2,521	2,761	2,708
Total										
Total	30,305	26,254	21,671	23,582	24,852	27,649	31,721	34,035	37,809	39,451
Transit cargo	586	1,239	1,592	2,037	2,410	3,346	3,181	4,097	1,975	3,296
Grand total	30,891	27,493	23,263	25,619	27,262	30,995	34,902	38,132	39,784	42,747

Source) "Statistical Report (1990-1999)", March 2000, MOMT &amp; EMDB

Table 3.1.4 Commodity-wise Export Cargo handled by the Five Major Ports

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Flour	0	0	0	0	0	0	0	0	0	0
General & container	1,740	2,185	2,484	2,500	2,473	2,502	3,492	3,528	3,236	2,896
Sub-total	1,740	2,185	2,484	2,500	2,473	2,502	3,492	3,528	3,236	2,896
Grains										
Wheat	0	0	0	0	0	0	0	0	0	0
Maize	0	0	0	0	0	0	0	0	0	0
Sub-total	0	0	0	0	0	0	0	0	0	0
Dust & metals										
Cement	7	49	293	619	247	102	257	20	9	10
Aluminum	1	0	17	0	8	0	0	0	0	0
Coke	0	0	0	12	38	16	17	1	38	2
Phosphate	388	154	158	156	185	111	93	163	139	189
Others	4	0	98	268	251	454	287	384	274	231
Sub-total	400	203	566	1,055	729	683	655	567	460	431
Fertilizer										
Sub-total	190	327	633	434	756	589	686	682	570	633
Special cargo										
Sub-total	20	1	2	8	28	41	30	30	38	43
Liquid bulk										
Petroleum	2,570	3,420	2,963	4,682	4,950	4,662	5,265	4,381	3,255	3,830
Oil & grease	0	0	0	0	0	0	0	0	0	0
Molasses	101	131	154	180	171	246	223	186	250	385
Sub-total	2,671	3,551	3,117	4,862	5,121	4,908	5,488	4,568	3,505	4,215
Total										
Total	5,021	6,267	6,802	8,859	9,107	8,723	10,351	9,374	7,809	8,219
Transit cargo	504	1,107	1,577	2,056	2,365	3,115	3,090	3,866	1,816	3,145
Grand total	5,525	7,374	8,379	10,915	11,472	11,838	13,441	13,240	9,625	11,363

Source) "Statistical Report (1990-1999)", March 2000, MOMT &amp; EMDB

### 3.1.2 Container cargo throughput

The container cargo volume in TEUs handled in the five major ports account for 837 thousand TEUs of local containers and 684 thousand TEUs of transshipment containers respectively in 1999. Transshipment container cargo volume has decreased to 684 thousand TEUs in 1999 after peaking at 861 thousand TEUs in 1997, while local container cargo volume has gradually increased to 837 thousand TEUs in 1999 from 237 thousand TEUs in 1990.

Table 3.1.5 Container Cargo handled by the Five Major Ports

(Unit: thousand TEUs)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Greater Alexandria	228	296	237	258	289	304	327	397	516	629
Import+Export	191	213	229	247	284	302	325	389	493	586
Transshipment	37	83	7	11	5	2	2	8	23	43
Import	100	109	118	131	149	156	167	204	263	310
Transshipment	20	41	3	5	2	1	1	4	12	21
Export	91	104	112	116	135	146	158	185	230	276
Transshipment	18	42	4	5	2	1	1	4	11	22
Port Said	55	61	118	171	184	324	336	415	270	410
Import+Export	39	46	62	62	65	79	95	104	128	144
Transshipment	16	15	56	109	119	246	241	311	142	266
Import	19	23	31	30	33	39	47	52	62	66
Transshipment	8	8	28	55	60	126	121	157	73	136
Export	20	22	31	32	32	39	49	52	65	78
Transshipment	8	7	28	54	59	120	120	154	69	130
Damietta	61	208	324	422	518	597	585	607	310	432
Import+Export	0	0	3	12	29	46	49	65	62	58
Transshipment	61	208	321	410	489	551	536	542	248	374
Import	0	0	0	5	13	23	21	27	31	33
Transshipment	31	106	162	206	247	280	268	273	122	185
Export	0	0	2	7	16	23	28	38	30	25
Transshipment	30	102	159	204	242	270	268	269	125	189
Suez	8	3	5	4	8	9	17	13	37	49
Import+Export	8	3	5	4	8	9	17	13	37	49
Transshipment	0	0	0	0	0	0	0	0	0	0
Import	4	3	3	2	5	6	9	7	23	36
Transshipment	0	0	0	0	0	0	0	0	0	0
Export	4	1	2	2	3	4	8	5	14	13
Transshipment	0	0	0	0	0	0	0	0	0	0
Grand Total	352	568	683	854	998	1,235	1,266	1,432	1,132	1,521
Import+Export	237	262	299	324	386	436	487	571	720	837
Transshipment	114	306	384	530	612	799	779	861	412	684
Import	123	136	152	168	201	224	244	290	380	445
Transshipment	59	154	194	266	309	407	390	435	207	343
Export	115	127	147	156	186	212	243	280	340	392
Transshipment	56	152	190	264	303	391	389	427	206	341

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

### 3.1.3 Port management and operation

Ministry of Maritime Transport (MOMT) supervises overall administration of port management and controls port authorities. Port authorities are in charge of planning, construction of port facilities, securing navigation security and marine services in the port. Alexandria Port Authority (APA) controls Alexandria and El-Dekheila Port. Damietta Port Authority (DPA) controls Damietta Port. Port Said Port Authority (PSPA) controls Port Said Port. Port authorities own land and facilities in their port area and lease them to State-owned companies and private companies and collect fees from them.

State-owned companies perform cargo handling operation as shown in Table 4.1.6. State-owned companies of No.1-6 are under the control of the Holding Company for Maritime Transport. State-owned companies of No.7-9 are under the control of the Holding Company of Inland Transport. The Holding Company for Maritime Transport and the Holding Company of Inland Transport are under the control of Ministry of Public Enterprises of Egyptian Government.

Table 3.1.6 State-owned Companies

No.	Name of State-owned company	Activity
1	United Arab Stevedoring Company	loading/unloading break bulk cargo
2	Alexandria Container Handling Company	container handling operation at the container terminal in Alexandria Port and El-Dekheila Port
3	General Warehouse Company	storing cargoes at warehouses in Alexandria Port
4	Thebe and Abu Simbel Shipping Agencies	shipping agent
5	Amon Shipping Agencies	shipping agent
6	Memphis Shipping Agencies	shipping agent
7	Damietta Container and Cargo Handling Company	container and break bulk cargo handling operation in Damietta Port
8	Port Said Container and Cargo Handling Company	container, dry bulk cargo and general cargo handling operation in Port Said Port
9	Canal Shipping Agency	forwarding necessary procedure for joining the convoy passing through the Canal on behalf of shipping lines or ship owners

### 3.1.4 Private participation and privatization in maritime transport sector

While state-owned companies have provided maritime transport services, Resolution 30/1998 allows the private sector to participate in the following maritime transport services.

- stevedoring work for grains and general cargo (permission period: 15 years)
- shipping agent (permission period: 3 years)
- ship chandler and marine supplies (permission period: 2 years)
- ship repair, maintenance and marine works (permission period: 2 years)
- warehouse (permission period: 10 years)
- container handling (permission period: 10 years)

The National Assembly approved the privatization of maritime transport companies in December 1998. For example, after the sale of stock, the ownership structure of the United Arab Stevedoring Company changed as follows.

Government share	41%
The company's employee shareholding association	8%
Private owner	51%

### **3.2 Greater Alexandria Port (Alexandria and El-Dekheila)**

The port area is divided into six Customs Zones stipulated by the Resolution No.618/1997. The first Zone is a district between berths No.5 and No. 15, including general cargo berths, repairing floating units and marine service berths. The second Zone is a district between berth No.16 and No.31, including passenger terminal as well as general cargo and Ro-Ro berths. The third Zone is a district between berths No.33 and No.47, including general cargo and barge cargo berths. The fourth Zone is a district between berths No.49 and No.68, including container terminal as well as barge cargo, coal, fertilizer and cement berths. The fifth Zone is a district between berths No.71 and No.85, including grain terminal as well as timber, barge cargo and molasses berths. The sixth Zone is a district between berths No.87/1, 87/2, 87/3, 87/4, 87/5 and No.86, including petroleum products and vegetable oil berths.

In order to cope with the needs for upgrading the port services of Alexandria Port, an economic study was carried out in 1980 for possible establishment of a new port at El-Dekheila. The study made it clear that the expansion of Alexandria port facilities at El-Dekheila was economically and financially feasible. The project of new port expansion at El-Dekheila was initiated in 1982 under a two - phase construction scheme. The first phase construction was scheduled to be implemented from 1994 to 1999 for constructing raw material berth, container berth and general cargo berth. The implementation of second phase construction has been suspended.

#### **3.2.1 Port facilities**

##### **(1) Container terminal of Alexandria Port**

The container terminal is operated by Alexandria Container Handling Company. There are three container berths (No.49, 51 and 53) of which total length is 560m and one Ro-Ro berth (No.54) of which length is 160m. Berth depth is practically maintained at 12.0m though design depth is 14.0m.

Potential handling capacity of Alexandria Container Terminal is expected to be 400 thousand to 450 thousand TEUs by introducing additional container handling equipment.

##### **(2) Grain terminal of Alexandria Port**

The grain terminal is operated by Alexandria General Company for Silos and Storage. There are three grain berths (No.82, 84 and 85) of which length and depth are 535m and 10.0m respectively. A new grain berth (315m length and 14.0m depth) is planned adjacent to the timber breakwater.

##### **(3) Coal terminal of Alexandria Port**

The coal terminal is operated by El-Nasre Company for Coal and Cokes. There are four coal berths (No.61, 62, 63 and 64) of which total length and depth are 600m and 10.0m respectively.

(4) Petroleum terminal of Alexandria Port

There are five petroleum berths (No.87/1, 87/2, 87/3, 87/4, 87/5) of which total length and depth are 762m and 10.0m - 12.0m respectively. The terminal handles butane, lubricant oil, petroleum gas, vegetable oil, LPG, fuel oil, jet oil and naphtha.

(5) General cargo berth of Alexandria Port

There are 31 general cargo berths of which total length and depth are 3,804m and 5.5m - 12.0m respectively.

(6) Approach channel of Alexandria Port

Alexandria Port is protected by marine rocks and two breakwaters. The entrance to the inner harbor is approximately 400m in width. Outer harbor channel from the harbor entrance to the inner harbor is maintained to be 220m in width and 14.0m in depth.

(7) Container terminal of El-Dekheila Port

El-Dekheila Container Terminal is also operated by Alexandria Container Handling Company. There are four container berths (No.96/1, 96/2, 96/3 and 96/4) of which total length and depth are 1,000m and 12.0m - 14.0m respectively.

Potential handling capacity of El-Dekheila Container Terminal is expected to be 1.0 million TEUs.

(8) General cargo berth of El-Dekheila Port

Berth No.92 of which length and depth are 300m and 15.0m respectively is prepared as general cargo berth. However, bulk carrier carrying maize often uses these berths.

(9) Grain terminal of El-Dekheila Port

There are two grain berths (No.94/1 and 94/2) of which total length and depth are 490m and 14.0m respectively.

(10) Iron ore and coal terminal of El-Dekheila Port

There are two berths (No.90/1 and 90/2). Berth length and depth of berth No.90/1 is 375m and 20.0m respectively. Berth length and depth of berth No.90/2 is 255m and 14.0m respectively.

(11) Approach channel of El-Dekheila Port

The main channel in El-Dekheila Port is 2,800m in length, 250m in width and 24.0m in depth.

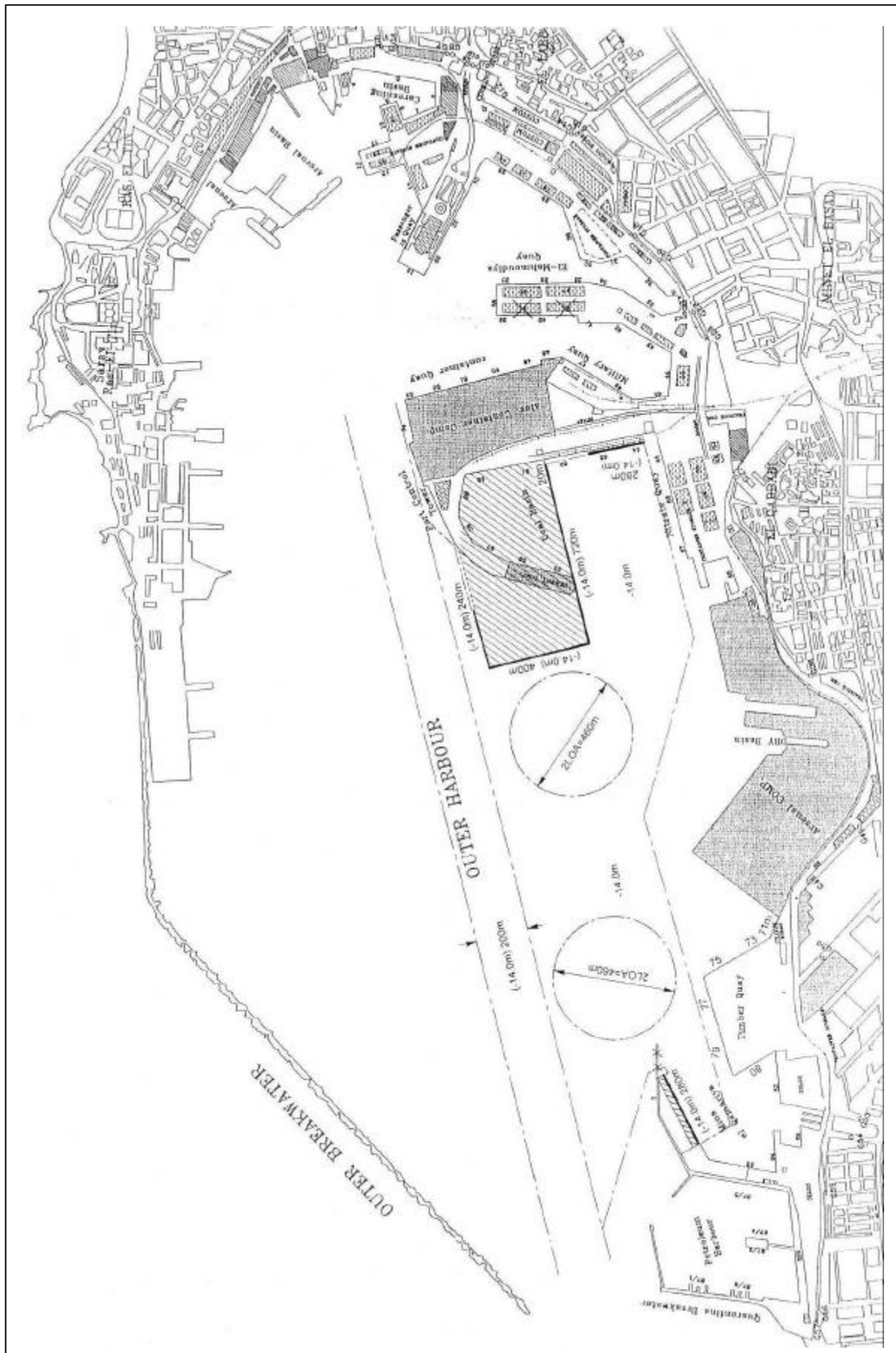


Figure 3.2.1 General Plan of Alexandria Port



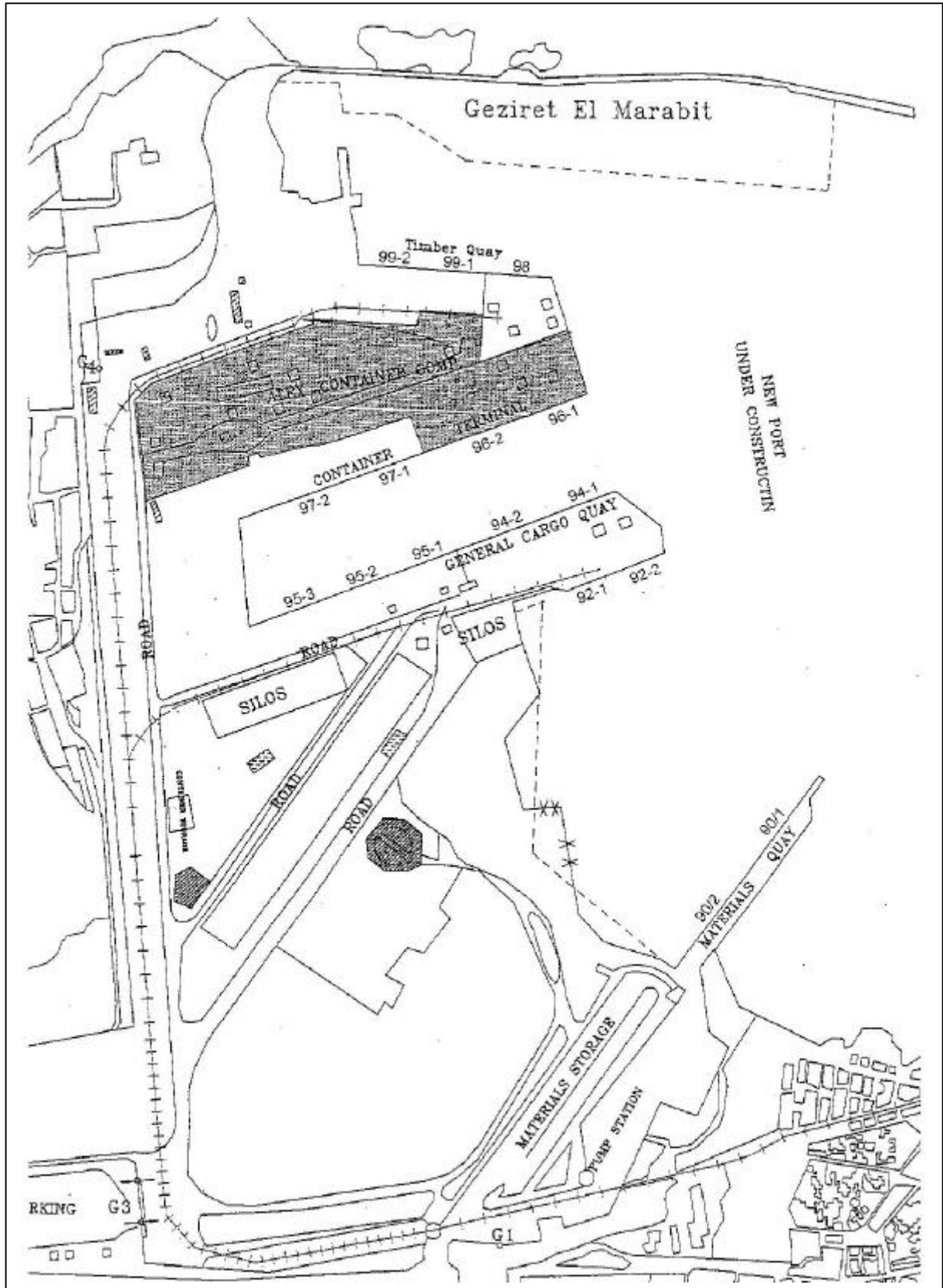


Figure 3.2.2 General Plan of El-Dekheila Port

Table 3.2.1 Outline of Major Terminals of Alexandria Port

1. Container Terminal		
Quay	Berth	3B(560m length and 14.0m (maintained 12.0m) depth) 1B(Ro-Ro, 160m length and 14.0m (md.12.0m) depth)
Terminal	Area	163,000 sq.m
	Ground Slot	Approx. 3,000 TEUs
	Reefer Point	-
	QGCs	3 (Outreach:35m, Underspreader:25m, Railspan:15m)
	RTGs	6
	Toplifters	10 (Capacity:42-45 tons)
	Forklift	15 (Capacity:2@37 tons+10@11.5-16tons+2@4tons)
2. Grain Terminal		
Quay	Berth	3B(190m+165m+180m length and 10.0m depth)
Terminal	Unloader	3 for No.84 (Disch. rate: 150 tons/hour/unloader)
		2 for No.85 (Disch. rate: 250 tons/hour/unloader)
		1 mobile (Disch. rate: 150 tons/hour/unloader)
	Silo	2 (Capacity: 100,000 tons + 50,000 tons)
3. Coal Terminal		
Quay	Berth	4B(600m length and 10.0m depth)
Terminal	Cranes	3 (Disch. rate: 150-200 tons/hour/crane for coal, 100 tons/hour/crane for cokes)
	Open yard	30,000 sq.m (Stacking capacity: 80,000 tons for coal + 30,000 tons for coaks)
4.Petroleum Terminal		
Quay	Berth	2B@(236m +136m length and 10.0m depth) 3B@(148m + 148m + 94m length and 12.0m depth)
5. General Cargo Berth		
Quay	Berth	3,804m length and 5.5-12.0m depth)

Source) "Egyptian Ports Information", March 2000, MOMT & EMDB, Alexandria Port Authority, Alexandria Container Handling Company, Alexandria General Company for Silo and Storage, El-Nasre Company for Coal and Cokes and Alexandria Petroleum Company

Table 3.2.2 Outline of El-Dekheila Port Facilities

<b>1. Container Terminal</b>		
Quay	Berth	4B(1,000m length and 12.0m - 14.0m depth)
Terminal	Area	380,000 sq.m
	Ground Slot	Approx. 4,000 TEUs
	Reefer Point	180
	QGCs	3 (Outreach:45m, Underspreader:33m, Railspace:15m)
	RTGs	-
	Reach Stackers	5 (Capacity:45 tons)
	Toplifters	12 (Capacity:6@45 tons + 6@3-7.5 tons)
	Forklifts	8 (Capacity:16 tons)
	Tractors	12
	Trailers	12
<b>2. General Cargo Berth</b>		
Quay	Berth	1B(307m length and 15.0m depth)
<b>3. Grain Terminal</b>		
Quay	Berth	2B(490m length and 14.0m depth)
Terminal	Unloader	2 (Disch. rate: 500 tons/hour/unloader)
		6 mobile (Disch. rate: 100 tons/hour/unloader)
	Silo	5 (Capacity: 2@ 130,000 tons + 3@ 60,000 tons)
<b>4. Iron ore and Coal Terminal</b>		
Quay	Berth	1B(375m length and 20.0m depth)
		1B(255m length and 14.0m depth)
Terminal	Unloaders	2 (Disch. rate: 1,000 tons/hour/crane)
	Stackers	2 (Disch. rate: 500 tons/hour/crane)
	Reclaimers	2 (Disch. rate: 800 tons/hour/crane)
	Open yard	48,000 sq.m (Stacking capacity: 300,000 tons for Iron pellets + 150,000 tons for Coal)
<b>5. Timber Berth</b>		
Quay	Berth No.98/1	1B(250m length and 12.0m depth)
<b>6. Ro-Ro Berth</b>		
Quay	Berth No.95/2	1B(50m length and 12.0m depth)

Source) "Egyptian Ports Information", March 2000, MOMT & EMDB, Alexandria Port Authority, Alexandria Container Handling Company, Alexandria General Company for Silo and Storage

### 3.2.2 Cargo throughput

Total volume of import and export cargoes handled through Alexandria Port in 1999 amount to 22,878 thousand tons and 5,178 tons respectively as shown in Table 3.2.3 and Table 3.2.4.

Table 3.2.3 Commodity-wise Import Cargo handled at Greater Alexandria Port

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Flour	640	428	104	502	285	257	84	37	44	46
General& container	5,443	5,390	5,520	5,765	6,200	6,925	7,044	7,198	8,008	7,507
Sub-total	6,083	5,818	5,624	6,267	6,485	7,182	7,128	7,234	8,052	7,553
Grains										
Wheat	1,212	844	1,154	1,014	820	1,393	1,456	1,998	2,442	2,223
Maize	94	0	410	1,875	1,584	1,849	1,468	2,077	2,257	3,417
Sub-total	1,306	844	1,564	2,889	2,404	3,242	2,924	4,075	4,699	5,641
Dust & metals										
Cement	0	0	0	0	0	338	1,059	976	1,283	1,759
Aluminum	2,124	1,739	1,763	1,832	1,765	1,256	1,394	1,989	3,146	2,062
Coke	1,389	1,312	1,412	1,556	1,731	1,568	1,834	1,659	1,936	1,546
Others	0	0	0	8	308	350	347	817	449	678
Sub-total	3,513	3,051	3,175	3,396	3,804	3,512	4,634	5,441	6,814	6,044
Fertilizer										
Sub-total	602	569	123	283	144	254	375	184	151	177
Special cargo										
Sub-total	1,036	986	904	1,587	1,524	1,835	1,687	1,810	1,880	1,794
Liquid bulk										
Petroleum	4,998	4,838	506	436	133	170	622	614	975	945
Oils&grease	550	645	537	681	465	558	536	538	560	473
Sub-total	5,548	5,483	1,043	1,117	598	728	1,157	1,151	1,534	1,417
Total										
Total	18,088	16,751	12,433	15,539	14,959	16,753	17,905	19,895	23,130	22,626
Transit cargo	186	414	27	55	25	11	10	49	144	252
Grand total	18,274	17,165	12,460	15,594	14,984	16,764	17,915	19,944	23,274	22,878

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

Table 3.2.4 Commodity-wise Export Cargo handled by Greater Alexandria Port

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Sub-total	1,282	1,347	1,803	1,633	1,715	1,699	1,327	1,402	1,630	1,489
Dust & metals										
Coke	0	0	0	0	0	0	0	0	12	2
Phosphate	1	0	0	0	0	0	0	0	0	0
Others	0	0	4	13	16	4	4	22	5	1
Sub-total	1	0	4	13	16	4	4	22	18	3
Fertilizer										
Sub-total	22	54	321	221	301	199	207	254	147	143
Special cargo										
Sub-total	0	0	0	1	18	31	13	7	5	1
Liquid bulk										
Petroleum	1,877	2,365	1,927	2,880	3,084	2,651	2,762	2,959	2,418	2,955
Molasses	101	131	154	180	171	246	223	186	250	328
Sub-total	1,978	2,496	2,081	3,060	3,255	2,897	2,985	3,145	2,668	3,283
Total										
Total	3,283	3,897	4,209	4,928	5,305	4,830	4,535	4,830	4,467	4,918
Transit cargo	162	339	31	53	24	10	10	41	142	261
Grand total	3,445	4,236	4,240	4,981	5,329	4,840	4,546	4,871	4,609	5,178

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

### 3.2.3 Calling vessels

A total of 4,581 vessels called at Greater Alexandria Port in 1999. General cargo and container vessels account for 37% and 28% of the total number of vessels calling at Alexandria Port in 1999, a significant change from 1996, when general cargo vessels accounted for 51% of the total and container vessels only 16%.

Table 3.2.5 Number of Vessels calling at Greater Alexandria Port in 1999

Vessel Type	Number of Vessels
1. Container	1,294(28.2%)
2. General Cargo	1,684(36.8%)
3. Dry Bulk	418( 9.1%)
4. Special Cargo	475(10.4%)
5. Liquid Bulk	393( 8.6%)
6. Passenger	100( 2.2%)
7. Others	217 ( 4.7%)
Total	4,581 (100%)

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB,  
"Annual Statistical Report 1999", APA

Table 3.2.6 Vessel Size Distribution calling at Greater Alexandria Port in 1997

Loading Capacity (TEUs)	Number of Vessels	
	Alexandria Port	El-Dekheila Port
up to 700	455(80.1%)	216(64.1%)
701-1,500	73(12.8%)	36(10.7%)
1,501-2,000	29( 5.1%)	76(22.6%)
2,001-3,000	9( 1.6%)	9( 2.7%)
3,001 plus	2( 0.4%)	0( 0.0%)
N.A.	112	73
Total	680(568)(100%)	410(337)(100%)

Source) Alexandria Port Authority, Alexandria Container Handling Company,  
Lloyd's Electronic Maritime Directory

### 3.2.4 Alexandria Port Authority

Board of directors was established according to the Law No.6/1967 and reorganized in 1997 in accordance with the Resolution 736/1997 and its revision under the Authorization of the President of Egypt. The main tasks of the Board are to prepare plans and policies for the port. Chairman of the Port Authority presides over the Board. Board of directors is comprised of first under secretary of MOMT and other related ministries, vice-chairman of the Port Authority and other members representing public institution concerning port activities, state-owned and private companies working in the port, university scholars and consultants of the Transport Minister. The organization structure of APA is shown in Figure 3.2.2

Financial situation of Alexandria Port Authority is shown in Table 3.2.7, Table 3.2.8 and Table 3.2.9.

Board of Directors

Chairman

General Department of Information and Registration

G.D. of Follow up Office

G.D. of Citizen Service

G.D. of Training Center

G.D. of Central Statistics

Secretary Department of Directors Board

G.D. of Legal Affairs

G.D. of Planning and Research

G.D. of Organization and Administration

G.D. of Security

G.D. of Public Relations

Department of Safety and Health Employment

D. of Financial and Administrative Inspection

Vice-Chairman

Central Department of Port Traffic

General Department of Passenger Traffic

G.D. of Cargo Traffic

G.D. of Ship Traffic

C.D. of Engineering Affairs

G.D. of Mechanical and Electrical Engineering

G.D. of Civil Engineering

C.D. of Marine & Technical Services

G.D. of Workshop

G.D. of Marine Service

C.D. of Containers

G.D. of Maintenance and Service

G.D. of Container Traffic

C.D. of Finance and Commercial Affairs

G.D. of Conventions and Foreign Loans

G.D. of Social Affairs

G.D. of Financial Affairs

C.D. of Administrative Affairs

G.D. of Personal Affairs

C.D. of Zone Affairs

G.Ds. of First Zone to Sixth Zone

C.D. of El-Dekheila Harbor

G.D. of Finance and Administrative Affairs

G.D. of Equipment and Constructions Maintenance

G.D. of Marine Services in El-Dekheila Harbor

G.D. of Cargo Handling

Source) Statistical Annual Report of Alexandria Port Authority

Figure 3.2.3 Organization structure of APA

Table 3.2.7 Income Statement of APA

(Unit: L.E. 1,000)

	96/97	97/98	98/99
Operating Revenues	167,104	180,931	227,467
Operating Expenses	112,144	123,622	128,564
Wages	20,826	22,937	31,318
General Expenses	9,279	14,837	16,177
Transferable Expenses	22,395	25,561	23,910
Current Transfer	23,800	21,327	15,014
Depreciation	35,612	38,466	42,145
Other	232	494	0
Net Operating Surplus	54,960	57,309	98,903
Non Operating Revenues	97,524	117,122	136,012
Interest Expenses	71,607	70,496	77,700
Taxes	121	87	119
Net Surplus	80,756	103,848	157,096

Source) Derived from APA's data

Table 3.2.8 Cash Flow Statement of APA

(Unit: L.E. 1,000)

	96/97
Cash Beginning	75,156
Cash Inflow	61,934
Cash Outflow	40,268
Cash Balance	96,822
Transfer for Investment	49,741
Cash Ending	47,081

Source) APA

Table 3.2.9 Balance Sheet of APA

(Unit: L.E. 1,000)

	03-June-1997	03-June-1998	03-June-1999
Assets	761,362	865,281	951,744
Current Assets (Cash)	47,082	58,813	36,498
Current Assets (Deposit)	793	802	576
Fixed Assets	278,395	345,695	369,956
Work in Progress	95,563	88,077	121,464
Inventories	19,899	20,526	21,719
Receivables	270,415	302,155	352,335
Investment	49,213	49,213	49,213
Liabilities & Capital	761,362	865,281	951,744
Current Liabilities	50,258	100,693	153,488
Long-term Loans	241,911	266,828	258,372
Capital	76,683	69,318	69,682
Reserves	392,508	428,442	470,199

Source) Derived from APA's data

### 3.3 Damietta Port

Damietta Port is located 8.5km west of Ras El Bar, Damietta branch of River Nile to the Mediterranean Sea and also 70km west of Port Said Port. Damietta Port started its operation June 26th 1986. Dimension of the entrance channel is 11.3km long, 300m - 250m wide and 15m deep. Two breakwaters protect the entrance channel. The western breakwater is 1,640m long and the eastern breakwater is 738m long.

#### 3.3.1 Port facilities

##### (1) General information

- a) Area: 6.2 sq.km (Land area) / 3.1 sq.km (Water area)
- b) Tide: Two feet above the constant level of the map
- c) Maximum permissible vessel draft: 12.8m (42feet)

Table 3.3.1 Berth Dimension of Damietta Port

Berth No.	Berth Type	Berth Length	Berth Depth
1-4	Container	4B@250m	14.5m
5-8	General Cargo	4B@200m	12.0m
9-12	General Cargo	4B@225m	12.0m
13-14	Grains	2B@300m	14.5m

Source) "Egyptian Ports Information", March 2000, MOMT & EMDB,

##### (2) Container terminal

The container terminal is operated by Damietta Container and Cargo Handling Company. There are 4 berths of which total length is 1,050m. Berth depth is maintained at 14.5m while the entrance channel is facing siltation problems.

Potential handling capacity of Damietta Container Terminal is expected to be 0.9 million TEUs, while the terminal throughput decreased to 0.43 million TEUs in 1999 after peaking at 0.61 million TEUs in 1997. Potential capacity is said to be 1.7 million TEUs when converting the existing 4 general cargo berths (No.5-8) into container berths with additional 7 QGCs and 21 RGTs in the future.

##### (3) Grain terminal

The grain terminal is operated by Damietta General Company for Silos and Strages. There are 2 berths of which length and depth are 300m and 14.5m respectively.



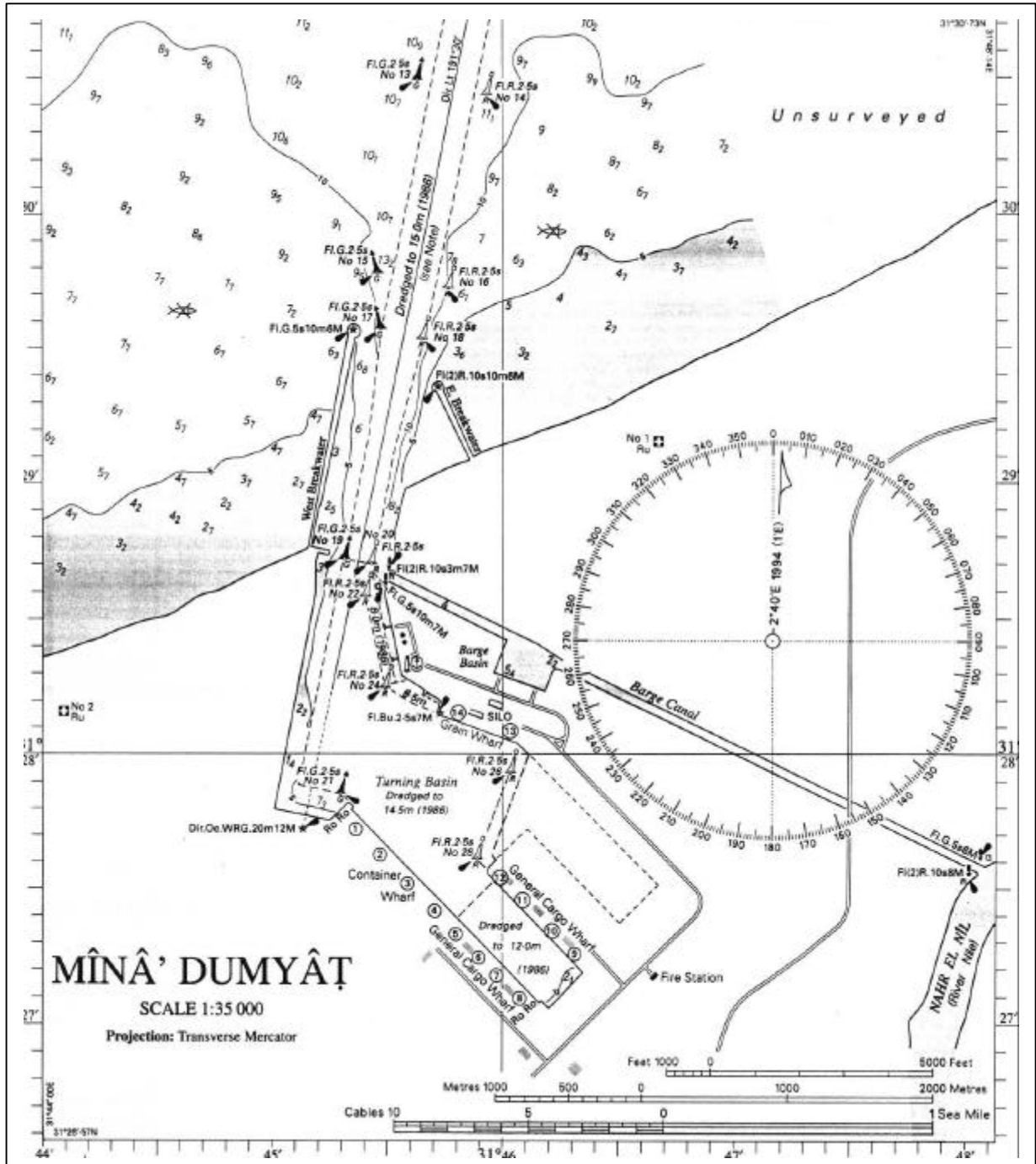


Figure 3.3.1 General Plan of Damietta Port

Table 3.3.2 Outline of Damietta Port Facilities

1. Container Terminal		
Quay	Berth	4B@(250m length and 14.5m depth)
Terminal	Area	256,000 sq.m (overall: 826,000 sq.m)
	Ground Slot	Approx. 3,400 TEUs
	Reefer Point	96
	QGCs	6 (Outreach:42m, Underspreader:32m, Railspace:15m)
	RTGs	0
	Toplifters	21 (Capacity:40-45 tons for Laden Container) 3 (Capacity:16-25 tons for Empty Container)
	Forklift	4 (Capacity:15 tons for Empty Container)
	Tractors	52 (Capacity: 40-50 tons)
	Trailers	43 (Capacity: 40-55 tons)
2. General Cargo Berth		
Quay	Berth	4B@(200m length and 12.0m depth) 4B@(225m length and 12.0m depth)
Storage	Open Yard	300,000 sq.m
	Shed	5,000 sq.m (5 Sheds)
	Cold Storage	3,000 sq.m (Capacity: 15,000 cb.m, 250,000 tons/year)
3. Grain Terminal		
Quay	Berth	2B@(300m length and 14.5m depth)
Terminal	Unloader	2 Pneumatic (Disch. rate: 700 tons/hour/unloader)
		1 Mechanical (Disch.rate: 1,000 tons/hour/unloader)
	Silo	2 (Capacity: 100,000 tons + 50,000 tons)

Source) Damietta Port Authority

### 3.3.2 Cargo throughput

Total volume of import and export cargoes handled through Damietta Port in 1999 amount to 9,600 thousand tons and 2,521 tons respectively as shown in Table 3.3.3 and Table 3.3.4.

Table 3.3.3 Commodity-wise Import Cargo handled at Damietta Port

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Flour	54	0	0	43	11	0	0	0	6	27
General& container	101	44	186	111	149	190	1,222	1,267	821	899
Sub-total	155	44	186	154	160	190	1,222	1,267	827	926
Grains										
Wheat	1,918	1,707	2,090	1,344	2,200	2,151	2,243	2,544	1,980	2,148
Maize	105	0	137	301	380	705	651	1,147	1,071	1,469
Sub-total	2,023	1,707	2,227	1,645	2,580	2,856	2,894	3,690	3,050	3,617
Dust & metals										
Cement	1	0	0	2	432	1,126	1,359	1,686	2,251	1,943
Aluminum	6	0	0	0	0	0	0	622	963	728
Coke	0	0	0	0	0	0	0	0	0	24
Others	0	0	7	2	23	147	658	3	0	1
Sub-total	7	0	7	4	455	1,273	2,017	2,311	3,214	2,694
Fertilizer										
Sub-total	0	0	0	0	13	8	18	7	26	8
Special cargo										
Sub-total	141	25	33	130	259	212	258	341	457	374
Liquid bulk										
Petroleum	0	0	0	0	0	0	0	0	14	70
Oils&grease	0	0	0	0	0	0	0	0	35	45
Sub-total	0	0	0	0	0	0	0	0	49	115
Total										
Total	2,326	1,776	2,453	1,933	3,467	4,539	6,409	7,617	7,624	7,733
Transit cargo	310	768	1,336	1,543	1,873	2,183	2,107	2,682	1,201	1,867
Grand total	2,636	2,544	3,789	3,476	5,340	6,722	8,516	10,299	8,824	9,600

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

Table 3.3.4 Commodity-wise Export Cargo handled at Damietta Port

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Sub-total	13	6	3	21	33	57	1,069	1,053	535	438
Dust & metals										
Coke	0	0	0	0	0	0	0	0	0	0
Cement	0	0	0	0	0	0	0	0	0	8
Phosphate	0	0	0	0	0	0	0	0	0	0
Others	0	0	17	31	8	7	26	62	40	78
Sub-total	0	0	17	31	8	7	26	62	40	86
Fertilizer										
Sub-total	10	23	52	16	177	27	53	130	198	262
Special cargo										
Sub-total	0	0	0	0	0	0	8	9	8	4
Liquid bulk										
Petroleum	0	0	0	0	0	0	0	0	0	0
Molasses	0	0	0	0	0	0	0	0	0	25
Sub-total	0	0	0	0	0	0	0	0	0	25
Total										
Total	23	29	72	68	218	91	1,155	1,255	780	814
Transit cargo	258	703	1,329	1,566	1,808	2,110	2,025	2,498	1,100	1,707
Grand total	281	732	1,401	1,634	2,026	2,201	3,180	3,753	1,880	2,521

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

### 3.3.3 Calling vessels

A total of 1,585 vessels called at Damietta Port in 1999. Container vessel accounts for 53% of the total number of vessels which called at Damietta Port.

Table 3.3.5 Number of Vessels calling at Damietta Port in 1999

Vessel Type	Number of Vessels
1. Container	834(52.6%)
2. General Cargo	149( 9.4%)
3. Dry Bulk	310(19.6%)
4. Special Cargo	254(16.0%)
5. Liquid Bulk	38( 2.4%)
6. Passenger	0
7. Others	0
Total	1,585 (100%)

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB,  
Damietta Port Authority

Table 3.3.6 Vessel Size Distribution calling at Damietta Port in 1997

Loading Capacity (TEUs)	Number of Vessels
up to 700	529 (59.8%)
701-1,500	96 (10.9%)
1,501-2,000	85 ( 9.6%)
2,001-3,000	136 (15.4%)
3,001 plus	38 ( 4.3%)
N.A.	95
Total	979 (100%)

Source) Damietta Port Authority, Damietta Container Handling Company,  
Lloyd's Electronic Maritime Directory

### 3.3.4 Damietta Port Authority

Ministry of Construction, New Civilized Communities and Land Reclamation planned and constructed Damietta Port. The port was taken over by the Ministry of Transport and Communication after the construction was completed. In 1986, under the control of Ministry of Transport and Communication, the Damietta Port Authority was established to administrate and operate the port. The organization structure of DPA is shown in Figure 3.3.2

Financial situation of Damietta Port Authority is shown in Table 3.3.7, Table 3.3.8 and Table 3.3.9.

Board of Directors

Chairman

- General Department of Legal Affairs
- Inspection and Internal Control
- Department of Security
- Vocational Health and Safety
- Information Center
- Planning and Research
- G.D. of Organization and Management
- D. of Citizens Service
- Public Relations
- Follow up Office

Vice-Chaiman

- Central Department of Financial and Commercial and Administrative
- General Department of Administrative and Personnel
- G.D. of Financial and Commercial
- C.D. of Marine and Technical Affairs
  - G.D. of Engineering Affairs
  - G.D. of Maintenance Services
  - G.D. of Traffic Affairs

Source) Damietta Port Authority

Figure 3.3.2 Organization structure of DPA

Table 3.3.7 Income Statement of DPA

(Unit: L.E. 1,000)

	96/97
Operating Revenues	45,535
Operating Expenses	68,639
Wages	4,625
General Expenses	26,018
Taxes	71
Depreciation	37,926
Net Operating Income (Deficit)	-23,015
Non Operating Revenues	19,918
Non Operating Expenses	16,648
Payment of Interest	16,204
Others	443
Net Surplus (Deficit)	-19,834

Source) Damietta Port Authority

Table 3.3.8 Cash Flow Statement of DPA

(Unit: L.E. 1,000)

	96/97
Cash Beginning	39,240
Cash Inflow	123,750
Operating Income	75,276
Sale of Fixed Assets	4,527
Long-term Loan	14,755
From Public Treasury to repay loan	29,192
Cash Outflow	154,336
Operating Expenses	93,690
Investment in Fixed Assets	13,513
Repayment of Long-term Loan	47,133
Cash Balance	-30,585
Cash Ending	8,655

Source) Damietta Port Authority

Table 3.3.9 Balance Sheet of DPA

(Unit: L.E. 1,000)

	03-June-1997
Assets	757,404
Current Assets (Cash)	8,655
Fixed Assets	680,752
Work in Progress	11,353
Inventories	10,081
Receivables	36,463
Investment	10,100
Liabilities & Capital	757,404
Current Liabilities	41,409
Long-term Loans	65,763
Provision	397,498
Government Share	707,751
Reserves	9,822
Deficits	-464,840

Source) Damietta Port Authority

### 3.4 Port Said Port

Port Said Port is located at the northern entrance of the Suez Canal. Two breakwaters protect the canal entrance leading to the port. The eastern breakwater is approximately 6.5 km long and the western breakwater is approximately 2.8 km long.

#### 3.4.1 Port facilities

##### (1) General information

- a) Approach channel: 140m wide, 12.5 to 13.0m deep
- b) Tide: 70cm
- c) Maximum permissible vessel draft: 12.8m (42feet)

Table 3.4.1 Berth Dimension of Port Said Port

Berth No.	Berth Type	Berth Length	Berth Depth
15	Petroleum	1B(350m)	3.66m
6, 9, 10	General Cargo	3B(365+295+40m)	8.24m
11	Containers	1B(350m)	12.81m
12-14	Multi-purpose	3B(350+350+250m)	12.81m
7, 8	Grains	2B(530m)	12.81m
1-5, 16, 17	Small Units	7B(1,249mm)	1.83-3.66m

Source) "Egyptian Ports Information", March 2000, MOMT & EMDB, PSPA

##### (2) Container terminal

The container terminal is operated by Port Said Port Container Handling Company. There are one container berth (No.11) and two multi-purpose berths (No.12 and No.13) mainly used by large mother vessels of which total length and depth are 1,050m and 12.81m respectively. There is also general cargo berth (No.9) of which length and depth are 295m and 8.2m, mainly used by small feeder vessels.

Two additional post-Panamax QGCs have been introduced at the terminal.

Future potential handling capacity with additional new multi-purpose berth of Port Said Container Terminal is expected to be 0.8 million TEUs, while the terminal throughput in 1999 is 0.41 million TEUs.

##### (3) Grain terminal

The grain terminal is operated by marine shipping companies. There are two grain berths (No.7 and 8) of which total length and depth are 530m and 12.81m respectively.

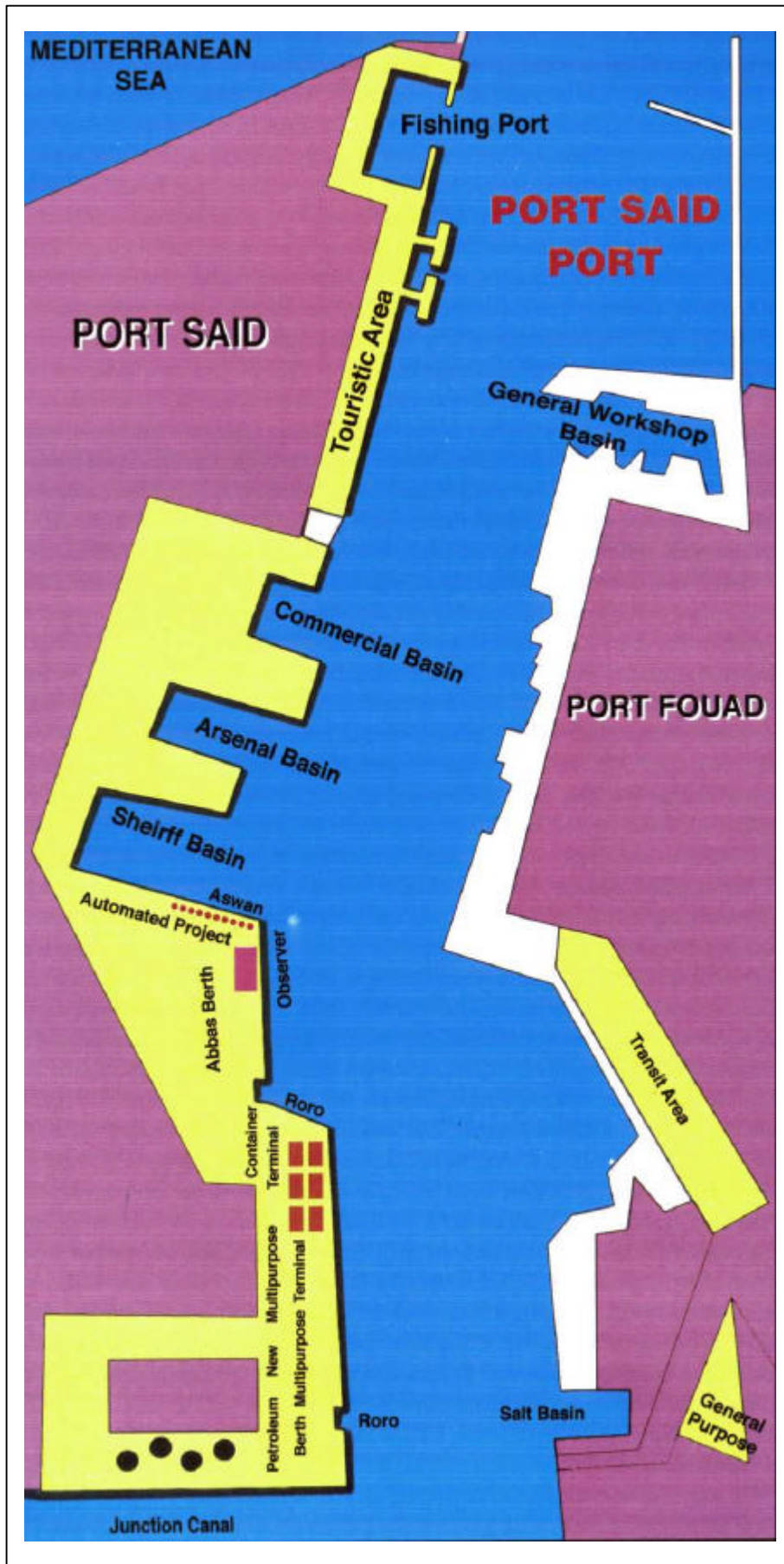


Figure 3.4.1 General Plan of Port Said Port



Table 3.4.2 Outline of Port Said Port Facilities

1. Container Terminal		
Quay	Container	1B(350m length and 12.81m depth)
	Multi-purpose	3B(350+350+250m length and 12.81m depth)
	General	1B(295m length and 8.24m depth)
Terminal	Area	300,000 sq.m (planned to increase up to 450,000 sq.m)
	Ground Slot	Approx.2,300 TEUs
	Reefer Point	100
	QGCs	5 (Panamax:3, Post-Panamax:2)
	Mobile Cranes	2 (Capacity:80-100 tons)
	RTGs	4 (Capacity:32-35 tons)
	Reach Stackers	10 (Capacity:7@42-45 tons + 3@7.5 tons)
	Toplifters	16 (Capacity:12-42 tons)
	Tractors and Semi-Trailers	21
	2. Grain Terminal	
Quay	Berth	2B@(265m length and 11.59-12.81m depth)
Terminal	Floating Unloaders	2 (Disch. rate: 16,000 tons/day)
	Silo	2 (Capacity: 43,000 tons)

Source) Port Said Port Authority

### 3.4.2 Cargo throughput

Total volume of import and export cargoes handled through Port Said Port in 1999 amount to 3,098 thousand tons and 2,116 tons respectively as shown in Table 4.4.3 and Table 4.4.4.

Table 3.4.3 Commodity-wise Import Cargo handled at Port Said Port

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Flour	60	0	0	0	15	4	25	24	0	0
General & container	408	640	647	494	685	917	821	1,082	1,079	1,050
Sub-total	468	640	647	494	700	921	845	1,106	1,079	1,050
Grains										
Wheat	678	496	1,064	770	1,605	1,937	1,621	1,678	1,264	727
Maize	898	884	216	121	77	158	27	0	0	0
Sub-total	1,576	1,380	1,280	891	1,682	2,095	1,648	1,678	1,264	727
Dust & metals										
Cement	71	26	1	1	26	10	10	6	0	0
Aluminum	30	21	56	44	108	167	273	118	154	95
Coke	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
Sub-total	101	47	57	45	134	177	283	124	154	95
Fertilizer										
Sub-total	0	0	0	0	0	0	0	0	0	0
Special cargo										
Sub-total	68	62	118	118	136	162	32	57	68	49
Liquid bulk										
Petroleum	0	7	13	0	0	0	0	0	0	0
Oils & grease	0	0	0	0	0	0	0	0	0	0
Sub-total	0	7	13	0	0	0	0	0	0	0
Total										
Total	2,213	2,136	2,115	1,548	2,652	3,355	2,809	2,965	2,565	1,920
Transit cargo	90	57	229	439	512	1,052	1,064	1,366	631	1,177
Grand total	2,303	2,193	2,344	1,987	3,164	4,407	3,873	4,332	3,195	3,098

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

Table 3.4.4 Commodity-wise Export Cargo handled at Port Said Port

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Sub-total	156	149	126	134	135	201	325	442	265	281
Dust & metals										
Coke	0	0	0	0	0	0	0	0	0	0
Cement	0	0	0	0	0	2	0	0	1	0
Phosphate	0	0	0	0	0	0	0	0	0	0
Others	0	0	1	0	0	55	0	0	0	1
Sub-total	0	0	1	0	0	57	0	0	1	1
Fertilizer										
Sub-total	147	141	140	150	107	93	149	139	74	104
Special cargo										
Sub-total	8	0	2	5	1	2	1	0	2	1
Liquid bulk										
Petroleum	359	385	437	517	631	724	780	704	442	551
Molasses	0	0	0	0	0	0	0	0	0	0
Sub-total	359	385	437	517	631	724	780	704	442	551
Total										
Total	670	675	706	806	874	1,077	1,255	1,285	783	939
Transit cargo	84	65	217	437	533	995	1,055	1,328	575	1,177
Grand total	754	740	923	1,243	1,407	2,072	2,310	2,613	1,358	2,116

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

### 3.4.3 Calling vessels

A total of 1,931 vessels called at Port Said Port in 1999. Container vessel accounts for 59% of the total number of vessels which called at Port Said Port.

Table 3.4.5 Number of Vessels calling at Port Said Port in 1999

Vessel Type	Number of Vessels
1. Container	1,168(59.3%)
2. General Cargo	267(13.6%)
3. Dry Bulk	62( 3.2%)
4. Special Cargo	58( 2.9%)
5. Liquid Bulk	0
6. Passenger	413(20.8%)
7. Others	0
Total	1,968 (100%)

Source) PSPA

Table 3.4.6 Vessel Size Distribution calling at Port Said Port in 1999

Loading Capacity (TEUs)	Number of Vessels
up to 700	1,088 (93.2%)
701-1,500	75 ( 6.4%)
1,501-2,000	5 ( 0.4%)
2,001-3,000	
3,001 plus	
N.A.	
Total	1,168 (100%)

Source) PSPA

### 3.4.4 Port Said Port Authority

Port Said Port Authority Board was established according to the Law No. /1980. The main tasks of the Board are to prepare plans and policies for the port. Chairman of the Port Authority presides over the Board. Board of directors is comprised of vice-chairman of the Port Authority and other members representing public institution concerning port activities, state-owned and private companies working in the port.

The organization structure of PSPA is shown in Figure 3.4.2

Financial situation of PSPA is shown in Table 3.4.7 and Table 3.4.8.

Board of Directors  
Chairman

General Department of Planning and Follow up  
G.D. of Legal Affairs  
G.D. of Security  
G.D. of Organization and Administration  
G.D. of Information and Registration  
D. of Public Relations  
D. of Citizen Service  
D. of Inspection and Internal Control  
Secretary Department of Chairman of the Board  
Follow up Office

Vice-Chairman

Central Department of Port Traffic Affaires  
G.D. of Ship Traffic  
G.D. of Cargo and Passenger Traffic  
C.D. of Engineering Affaires  
G.D. of Financial and Commercial Affaires  
G.D. of Administrative Affaires  
G.D. of Zone Affaires (4 Zones)

Source) PSPA

Figure 3.4.2 Organization structure of PSPA

Table 3.4.7 Operating Revenue of PSPA

(Unit: L.E. 1,000)

	96/97	97/98
Cash Flow Revenue	2,7153	
Ship fees	15,931	15,914
Warehouse fees	5,983	5,511
Rent of equipment	111	134
Unlawful occupancies	92	72
Rents	5,022	5,081
Gate use charges		
Petroleum handling		
Other revenue	14	16
Fiscal paper revenue	7,435	4,951

Source) PSPA

Table 3.4.8 Assets of PSPA

(Unit: L.E. 1,000)

	96/97	97/98
Fixed Assets	178,968	230,532
Under execution project	55,583	79,990
Stored articles	497	561
Financial investment	21,081	21,081
Different debtor	21,956	26,007
Cash	8,286	11,911
Deffect	18,075	18,075

Source) PSPA

### 3.5 Suez Port (including Adabeya)

Suez Port is located at the southern end of the Suez Canal.

Adabeya is located at the west coast of Suez Gulf and 10 km southwest of Suez Port.

#### 3.5.1 Port facilities

(1) General information

a) Water area: 258km<sup>2</sup> (Suez + Adabeya)

b) Land area: 327 thousand m<sup>2</sup> (Suez), 837 thousand m<sup>2</sup> (Adabeya)

Table 3.5.1 Berth Dimension of Suez Port (including Adabeya)

Berth No.	Berth Type	Berth Length	Berth Depth
Suez No.1-4, 6	Passenger	6B(650m)	7.0-7.8m
Suez No. 5, 7-14	General Cargo	9B(1,590m)	5.0-8.0m
AdabeyaNo.1-4,6,8,9	General Cargo	7B(1,370m)	13.0-13.5m
Adabeya No. 10	Cement	1B@100m	10.0m
Adabeya No. 5, 7	Grains	2B(470m)	13.0-13.5m

Source) "Egyptian Ports Information", March 2000, MOMT & EMDB,



Figure 3.5.1 General Plan of Suez Port

### 3.5.2 Cargo throughput

Total volume of import and export cargoes handled through Suez Port (including Adabeya) in 1999 amount to 5,279 thousand tons and 1,175 tons respectively as shown in Table 3.5.2 and Table 3.5.3.

Table 3.5.2 Commodity-wise Import Cargo handled at Suez Port (including Adabeya)

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Flour	6	0	0	0	0	0	0	0	0	6
General& container	965	1,043	960	594	593	696	804	736	792	981
Sub-total	971	1,043	960	594	593	696	804	736	792	988
Grains										
Wheat	656	945	631	664	413	90	146	308	310	290
Maize	0	0	0	0	37	0	0	0	0	8
Sub-total	656	945	631	664	450	90	146	308	310	297
Dust & metals										
Cement	26	6	5	0	0	0	0	10	111	1,224
Aluminum	0	0	18	13	25	0	1	0	0	0
Coke	52	51	41	0	0	0	0	0	0	0
Others	0	0	4	23	36	36	102	60	95	1,255
Sub-total	78	57	68	36	61	36	103	71	206	2,479
Fertilizer										
Sub-total	0	0	15	5	1	0	0	16	26	4
Special cargo										
Sub-total	7	4	1	45	5	8	32	93	223	394
Liquid bulk										
Petroleum	4,292	1,961	1,595	1,604	990	967	1,647	1,010	839	719
Oils&grease	59	101	142	183	268	309	452	322	291	397
Sub-total	4,351	2,062	1,737	1,787	1,258	1,276	2,099	1,332	1,130	1,117
Total										
Total	6,063	4,111	3,412	3,131	2,368	2,106	3,185	2,557	2,687	5,279
Transit cargo	0	0	0	0	0	0	0	0	0	0
Grand total	6,063	4,111	3,412	3,131	2,368	2,106	3,185	2,557	2,687	5,279

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

Table 3.5.3 Commodity-wise Export Cargo handled at Suez Port (including Adabeya)

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Sub-total	282	683	552	711	565	545	751	602	773	657
Dust & metals										
Coke	0	0	0	1	2	1	2	1	0	0
Cement	7	49	204	286	137	100	85	20	9	2
Phosphate	0	0	0	0	37	14	6	0	0	0
Others	0	0	0	51	24	10	9	28	2	0
Sub-total	7	49	204	338	200	125	101	48	11	2
Fertilizer										
Sub-total	11	109	120	47	164	263	277	159	151	124
Special cargo										
Sub-total	12	1	0	2	9	4	8	14	25	37
Liquid bulk										
Petroleum	334	670	599	1,285	1,235	1,287	1,723	718	393	323
Molasses	0	0	0	0	0	0	0	0	0	32
Sub-total	334	670	599	1,285	1,235	1,287	1,723	718	393	355
Total										
Total	646	1,512	1,475	2,383	2,173	2,224	2,861	1,541	1,353	1,175
Transit cargo	0	0	0	0	0	0	0	0	0	0
Grand total	646	1,512	1,475	2,383	2,173	2,224	2,861	1,541	1,353	1,175

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

### 3.5.3 Calling vessels

A total of 1,112 vessels called at Suez Port (including Adabeya) in 1999.

Table 3.5.4 Number of Vessels calling at Suez Port in 1999

Vessel Type	Number of Vessels
1. Container + 2. General	306(27.5%)
3. Dry Bulk	94( 8.5%)
4. Special Cargo	96( 8.6%)
5. Liquid Bulk	212(19.1%)
6. Passenger	404(36.3%)
Total	1,112 (100%)

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

### 3.6 Safaga Port

Safaga Port is located at the western coast of the Red Sea and 50 km south of Hurgada. The port is a large inlet (natural gulf) which is sheltered by natural protection from the east and north directions by Safaga Island.

#### 3.6.1 Port facilities

(1) General information

a) Land area: 418 thousand m<sup>2</sup>

Table 3.6.1 Berth Dimension of Safaga Port

Berth No.	Berth Type	Berth Length	Berth Depth
No.1	Grains	1B(289m)	14m
No.2,3	Passengers	2B(415m)	10m
No.4	Mining	1B(221m)	10m
No. 5	Coal	1B(115m)	8m

Source) "Egyptian Ports Information", March 2000, MOMT & EMDB,

#### 3.6.2 Cargo throughput

Total volume of import and export cargoes handled through Safaga Port in 1999 amount to 1,893 thousand tons and 373 tons respectively as shown in Table 3.6.2 and Table 3.6.3.

Table 3.6.2 Commodity-wise Import Cargo handled at Safaga Port

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
General cargo										
Flour	0	0	0	0	0	0	0	0	0	0
General& container	0	0	5	1	30	23	29	35	40	71
Sub-total	0	0	5	1	30	23	29	35	40	71
Grains										
Wheat	1,152	1,056	793	860	850	306	889	392	929	876
Maize	0	0	0	0	0	0	0	42	0	0
Sub-total	1,152	1,056	793	860	850	306	889	434	929	876
Dust & metals										
Cement	0	0	0	0	0	0	0	0	195	400
Aluminum	355	372	408	354	347	352	308	349	394	380
Coke	108	52	52	216	145	166	110	139	98	104
Others	0	0	0	0	2	2	28	7	101	3
Sub-total	463	424	460	570	494	520	445	495	787	887
Fertilizer										
Sub-total	0	0	0	0	0	0	4	0	0	0
Special cargo										
Sub-total	0	0	0	0	0	0	0	0	0	0
Liquid bulk										
Petroleum	0	0	0	0	32	47	46	35	47	59
Oils&grease	0	0	0	0	0	0	0	3	0	0
Sub-total	0	0	0	0	32	47	46	37	47	59
Total										
Total	1,615	1,480	1,258	1,431	1,406	896	1,413	1,001	1,803	1,893
Transit cargo	0	0	0	0	0	0	0	0	0	0
Grand total	1,615	1,480	1,258	1,431	1,406	896	1,413	1,001	1,803	1,893

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB



Table 3.6.3 Commodity-wise Export Cargo handled at Safaga Port

(Unit: thousand tons)

Cargo/Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>General cargo</b>										
Sub-total	7	0	0	1	25	4	20	28	33	32
<b>Dust &amp; metals</b>										
Coke	0	0	0	11	36	15	16	0	26	0
Cement	0	0	89	333	110	0	173	0	0	0
Phosphate	388	154	158	156	148	97	87	163	139	189
Others	4	0	93	173	211	378	249	272	226	152
Sub-total	392	154	340	673	505	490	524	435	390	340
<b>Fertilizer</b>										
Sub-total	0	0	0	0	7	7	0	0	0	1
<b>Special cargo</b>										
Sub-total	0	0	0	0	0	0	0	0	0	0
<b>Liquid bulk</b>										
Petroleum	0	0	0	0	0	0	0	0	1	0
Molasses	0	0	0	0	0	0	0	0	0	0
Sub-total	0	0	0	0	0	0	0	0	1	0
<b>Total</b>										
Total	399	154	340	674	537	501	545	462	425	373
Transit cargo	0	0	0	0	0	0	0	0	0	0
Grand total	399	154	340	674	537	501	545	462	425	373

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB

### 3.6.3 Calling vessels

A total of 772 vessels called at Safaga Port in 1999. Passenger vessel accounts for 82% of the total number of vessels which called at Safaga Port.

Table 3.6.4 Number of Vessels calling at Safaga Port in 1999

Vessel Type	Number of Vessels
1. General & Container	24( 3.1%)
2. Dry Bulk	83(10.8%)
3. Special Cargo	0
4. Liquid Bulk	32( 4.1%)
5. Passenger	633(82.0%)
Total	772 (100%)

Source) "Statistical Report (1990-1999)", March 2000, MOMT & EMDB