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ARAB REPUBLIC OF EGYPT

MINISTRY OF DEVELOPMENT
AND NEW COMMUNITIES

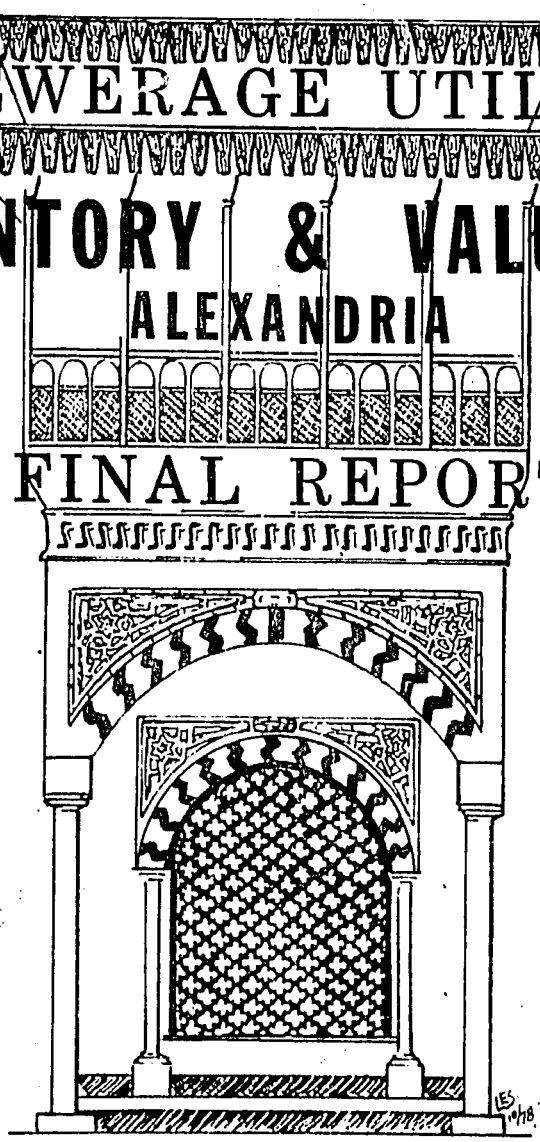
# MANAGEMENT AND TARIFF STUDIES RELATIVE TO WATER/SEWERAGE SYSTEMS

# SEWERAGE UTILITY

# INVENTORY & VALUATI

## ALEXANDRIA

# FINAL REPORT



بسم الله الرحمن الرحيم

وجعلنا من الماء كل شيء حي

صدق الله العظيم

BVI-ATK ASSOCIATES WITH SABBOUR ASSOCIATES

BLACK & VEATCH INTERNATIONAL
CONSULTING ENGINEERS

A.T. KEARNEY, INC.
MANAGEMENT CONSULTANTS

SABBOUR ASSOCIATES
CONSULTING ENGINEERS

OCTOBER 1979

# SEWERAGE UTILITY

# INVENTORY & VALUATION
## ALEXANDRIA

# FINAL REPORT

The Story of Our Cover:-

On our cover is a sketch of a sybil, which is a fountain. During the Ottoman Empire these were a common source of drinking water. A well is located at ground level and a balcony on the second level where children were taught the Koran. Usually located near mosques, sybils were built and then donated to the public by various benefactors.

Beneath the sketch is a quote from the Koran, "We made from water all living things".

# TABLE OF CONTENTS

## WATER AND SEWERAGE UTILITY INVENTORY AND VALUATION


0.0 Executive Summary
1.0 Introduction
2.0 Uniform System of Accounts
3.0 Inventory
4.0 Valuation
5.0 Depreciation Accounting
6.0 Depreciation Rates and Reserves
7.0 Property Records

Appendix 1, Inventory and Valuation, Greater Cairo/Helwan Water Utility

Appendix 2, Inventory and Valuation, Greater Cairo/Helwan Sewerage Utility

Appendix 3, Inventory and Valuation, Alexandria Water Utility

Appendix 4, Inventory and Valuation, Alexandria Sewerage Utility — THIS VOLUME

Appendix 5, Inventory and Valuation, Ismailia Water and Sewerage Utility

Appendix 6, Inventory and Valuation, Port Said Water and Sewerage Utility

Appendix 7, Inventory and Valuation, Suez Water and Sewerage Utility

ALEXANDRIA SEWERAGE UTILITY

INVENTORY AND VALUATION
UTILITY PLANT IN SERVICE
DECEMBER 31, 1978

The inventory and valuation contained herein covers the sewerage system presently owned and operated by the General Organization for Sewerage and Sanitary Drainage.

The valuations developed for these properties represents a reasonable estimate of value of the major facilities of the system. The values found are:

| | Sewerage System LE |
|---|---|
| Reproduction Cost | 177,268,400 |
| Reproduction Cost Less Depreciation | 98,315,400 |
| Original Cost | 45,963,610 |
| Estimated Reserve for Depreciation on Original Cost | 20,471,584 |

The inventory and valuation developed for the sewerage system may be used as a basis for establishing a record of the investment in utility properties. They may also be used for the determination of appropriate depreciation expense and depreciation reserves.

The inventory of the sewerage system includes all major facilities in service at December 31, 1978. It should not be considered as an exact, detailed, listing of all property units. As a result of the methods used, it is possible that the inventory contains omissions. When these are identified they should be added to the inventory by the operating utility.

Reference is made to the "Report on Water and Sewerage Inventory and Valuation", of which this Appendix is a part. In the Report, discussions are presented for the establishment and use of property records, property accounting systems, retirement accounting, depreciation accounting and depreciation rates and reserves. These recommendations supplement recommendations contained in the "Report on Management Systems - Management Information Systems" issued concurrently herewith. It is recommended that the operating utilities adopt and maintain the recommended systems. They will provide one element upon which sound management of the utilities can be based.

## Abbreviations

| | |
|---|---|
| AC | Alternating current |
| acre | 4047 $m^2$ |
| BOD | Biochemical oxygen demand |
| cm | Centimeter |
| cmd | Cubic meter per day |
| cmh | Cubic meter per hour |
| COD | Chemical oxygen demand |
| DC | Direct current |
| ea | Each |
| Feddan | 4,200 $m^2$ |
| ha | Hectare or 10,000 $m^2$ |
| hp | Horsepower |
| hr | Hour |
| hz | Hertz |
| kg | Kilograms |
| km | Kilometer |
| kVa | Kilovolt amperes |
| kW | Kilowatt |
| kWh | Kilowatt hour |
| lit/sec | Liter per second |
| lcd | Liter per capita per day |
| LE | Egyptian pound |
| lot | Lot or group, normally of a similar type of property |
| m.H | Mega hertz |
| $m_2$ | Meter |
| $m^2$ | Square meter |
| $m^3$ | Cubic meter |
| mg | Milligrams |
| mg/l | Milligrams per liter |
| mm | Millimeter |
| mms | Milliemes |
| NA | Not available or not applicable |
| OC | Original cost |
| / | per |
| % | percent |
| pt | piastre |
| RC | Reproduction cost |
| RCLD | Reproduction cost less depreciation |
| R.p.m | Revolutions per minute |
| SS | Suspended solids |
| v | volt |
| yr | year |

## List of Commonly Used Expressions

| | |
|---|---|
| ACR | Advisory Committee for Reconstruction |
| AWGA | Alexandria Water General Authority |
| ARE | Arab Republic of Egypt |
| CAPMAS | Central Agency for Public Mobilization and Statistics |
| GOGCWS | General Organization for Greater Cairo Water Supply |
| GOSSD | General Organization for Sewerage and Sanitary Drainage |
| IBRD | International Bank for Reconstruction and Development (World Bank) |
| MODANC | Ministry of Development and New Communities |
| MOHR | Ministry of Housing and Reconstruction |
| SCA | Suez Canal Authority |
| USA | United States of America |
| USAID | United States Agency for International Development |
| WHO | World Health Organization |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31, 1978

| | OC LE | RC LE | RCLD LE |
|---|---|---|---|
| **Summary** | | | |
| TOTAL UTILITY | | | |
| Treatment Plants | | | |
| Pumping Plant | | | |
| Treatment Disposal | | | |
| General Plant | | | |
| Total Treatment Plant | 3 682 087 | 10 247 400 | 7 903 000 |
| Network | | | |
| Collection Plant | 29 759 248 | 137 239 000 | 71 268 000 |
| Pumping Plant | 11 810 472 | 29 418 300 | 18 786 000 |
| General Plant | 363 644 | 363 700 | 358 400 |
| Total Network | 41 933 364 | 167 021 000 | 90 412 400 |
| Unclassified Plant | 348 159 | | |
| TOTAL UTILITY | 45 963 610 | 177 268 400 | 98 315 400 |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31, 1978

| | OC / LE | RC / LE | RCLD / LE |
|---|---|---|---|
| **Detailed Summary** | | | |
| EAST TREATMENT PLANT | | | |
| Pumping Plant | | | |
| Acct.361-Structures and Improvements | | | |
| Acct.363-Electric Pumping Equipment | | | |
| Acct.364-Diesel Pumping Equipment | | | |
| Total Pumping Plant | | | |
| Treatment and Disposal Plant | | | |
| Acct.370-Land and Land Rights | | | |
| Acct.371-Structures and Improvements | | | |
| Acct.372-Treatment and Disposal Equipment | | | |
| Acct.373-Plant Sewers | | | |
| Acct.374-Outfall Sewer Line | | | |
| Total Treatment and Disposal Plant | | | |
| General Plant | | | |
| Acct.390-Structures and Improvements | | | |
| Total General Plant | | | |
| TOTAL EAST TREATMENT PLANT | 3 682 087 | 10 247 400 | 7 903 000 |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

EAST TREATMENT PLANT

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT | | | |
| Acct.361-Structures and Improvements | | | |
| Sludge pump station with 2 ton overhead crane | | 1 ea | |
| Sludge pump station Cooling tower | | 1 ea | |
| Electrical facilities Transformers (500 kVa, 10 500/3 000) | | 3 ea | |
| Transformers (400 kVa, 10 500/300/220) | | 2 ea | |
| Mobile 400 kVa generator Sludge pump and clarifier stand-by | | 1 ea | |
| Total Acct.361 | | | |
| Acct.363-Electric Pumping Equipment | | | |
| Primary sludge pumps and motors (28 lit/sec) | | 2 ea | |
| Sump pump and motor (10 lit/sec) | | | |
| Return activated sludge pumps and motors (112 lit/sec) | | 2 ea | |
| Waste activated sludge pumps and motors (40 lit/sec) | | | |
| Sludge pumps and motors (600 lit/sec) | | 2 ea | |
| Air compressor (11 $m^3$/hr) | | 1 ea | |
| Total Acct.363 | | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

EAST TREATMENT PLANT

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.364-Diesel Pumping Equipment | | | |
| Blower engines (214 kW, 2 960 R.p.m) with step up speed gear drive (11 150 R.p.m) | | 3 ea | |
| Total Acct.364 | | | |
| TREATMENT AND DISPOSAL PLANT | | | |
| Acct.370-Land and Land Rights | | | |
| Plant site | | 210 000 $m^2$ | |
| Total Acct.370 | | | |
| Acct.371-Structures and Improvements | | | |
| Influent chamber | | 1 ea | |
| Venturi flume | | 1 ea | |
| Blower house | | 1 ea | |
| Total Acct.371 | | | |
| Acct.372-Treatment and Disposal Equipment | | | |
| Influent bar screen | | 1 ea | |
| Grit chambers-hopper bottom with air diffusion | | 6 ea | |
| Primary clarifiers-34 m diam. with sludge removal | | 4 ea | |
| Aeration basins (17.5 x 95 m) | | 2 ea | |
| Secondary clarifiers with scum removal 34 m diam. | | 2 ea | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

EAST TREATMENT PLANT

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| TREATMENT AND DISPOSAL PLANT (Cont'd) | | | |
| Acct.372-Treatment and Disposal Equipment (Cont'd) | | | |
| Centrifugal blowers (9 680 $m^3$/hr) | | | |
| Sludge drying beds (30 x 15 x 1 m) | | 36 ea | |
| Total Acct.372 | | | |
| Acct.373-Plant Sewers | | | |
| Plant piping | | | |
| By-pass from rising main to drainage canal-1 200 mm | | 1 lot | |
| Grit chamber to distribution basin-1 200 mm | | 1 lot | |
| Sludge line from hopper to sludge pump station-150 mm | | 1 lot | |
| Clarifiers to effluent-1 000 mm | | 2 lots | |
| Clarifiers to aeration basins-1 000 mm | | 1 lot | |
| Aeration basins to secondary clarifiers-700 mm | | 1 lot | |
| Sludge line secondary clarifiers to sludge pumping station-150 mm | | 1 lot | |
| Return activated sludge line | | | |
| Sludge pump station to influent of grit chambers-500 mm | | 1 lot | |
| Waste activated sludge line | | | |
| Sludge pump station to influent of grit chambers-200 mm | | 1 lot | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

EAST TREATMENT PLANT

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| TREATMENT AND DISPOSAL PLANT (Cont'd) | | | |
| Acct.373-Plant Sewers (Cont'd) | | | |
| Plant piping (Cont'd) Sludge pump station to sludge beds-150 mm | | 1 lot | |
| Total Acct.373 | | | |
| Acct.374-Outfall Sewer Line | | | |
| Outfall (1 200 mm) Drainage canal (40 m wide,8 m deep by 7 km long) Kait Bay outfall (1 250 mm) | 1954 | 735 m | |
| Total Acct.374 | | | |
| GENERAL PLANT | | | |
| Acct.390-Structures and Improvements | | | |
| Administration building and laboratory | | 1 ea | |
| Store | | 1 ea | |
| Mosque | | 1 ea | |
| Villa | | 1 ea | |
| Staff dwellings | | 3 ea | |
| Total Acct.390 | | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31, 1978

| | OC LE | RC LE | RCLD LE |
|---|---|---|---|
| **Detailed Summary** | | | |
| NETWORK | | | |
| **Collection Plant** | | | |
| Acct.352-Collection Sewers | | | |
| 352.1-Force | 2 432 570 | 6 921 600 | 6 209 000 |
| 352.2-Gravity | 25 881 678 | 123 092 400 | 62 328 000 |
| Acct.353-Services to Customers | 1 445 000 | 7 225 000 | 2 731 000 |
| Total Collection Plant | 29 759 248 | 137 239 000 | 71 268 000 |
| **Pumping Plant** | | | |
| Acct.360-Land and Land Rights | | | |
| Acct.361-Structures and Improvements | 2 247 840 | 5 871 700 | 4 359 000 |
| Acct.363-Electric Pumping Equipment | 9 562 632 | 23 546 600 | 14 427 000 |
| Total Pumping Plant | 11 810 472 | 29 418 300 | 18 786 000 |
| **General Plant** | | | |
| Acct.389-Land and Land Rights | 171 378 | 171 400 | 171 400 |
| Acct.390-Structures and Improvements | 95 570 | 95 600 | 95 000 |
| Acct.391-Office Furniture and Equipment | | | |
| Acct.392-Transportation Equipment | 96 696 | 96 700 | 92 000 |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31, 1978

| | OC / LE | RC / LE | RCLD / LE |
|---|---|---|---|
| **Detailed Summary** | | | |
| NETWORK (Cont'd) | | | |
| General Plant (Cont'd) | | | |
| Acct.393-Stores Equipment | | | |
| Acct.394-Tools,Shop and Garage Equipment | | | |
| Acct.395-Laboratory Equipment | | | |
| Acct.396-Power Operated Equipment | | | |
| Acct.397-Communication Equipment | | | |
| Total General Plant | 363 644 | 363 700 | 358 400 |
| TOTAL NETWORK | 41 933 364 | 167 021 000 | 90 412 400 |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.1-Collection Sewers-Force | | | |
| Cast iron | | | |
| 200 mm | 1950 | 150 m | |
| 250 mm | 1945 | 570 m | |
| | 1967 | 450 m | |
| | 1974 | 1 200 m | |
| | 1965(a) | 2 220 m | |
| 300 mm | 1967 | 670 m | |
| 350 mm | 1966 | 370 m | |
| | 1967 | 100 m | |
| | 1968 | 1 150 m | |
| | 1969 | 1 900 m | |
| | 1968(a) | 3 520 m | |
| 400 mm | 1935 | 760 m | |
| | 1951 | 100 m | |
| | 1966 | 2 530 m | |
| | 1967 | 1 260 m | |
| | 1968 | 1 160 m | |
| | 1969 | 1 560 m | |
| | 1971 | 1 030 m | |
| | 1975 | 2 140 m | |
| | 1967(a) | 10 540 m | |
| 450 mm | 1935 | 340 m | |
| | 1966 | 1 400 m | |
| | 1960(a) | 1 740 m | |
| 500 mm | 1951 | 100 m | |
| | 1966 | 280 m | |
| | 1967 | 800 m | |
| | 1968 | 2 000 m | |
| | 1969 | 1 960 m | |
| | 1970 | 280 m | |
| | 1968(a) | 5 420 m | |
| 550 mm | 1966 | 1 050 m | |
| | 1967 | 4 400 m | |
| | 1973 | 780 m | |
| | 1968(a) | 6 230 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct. 352-Collection Sewers | | | |
| Acct.352.1-Collection Sewers-Force (Cont'd) | | | |
| Cast iron (Cont'd) | | | |
| 600 mm | 1928 | 740 m | |
| | 1974 | 1 300 m | |
| | 1978 | 2 280 m | |
| | 1968(a) | 4 320 m | |
| 650 mm | 1951 | 1 050 m | |
| | 1972 | 1 600 m | |
| | 1964(a) | 2 650 m | |
| 900 mm | 1972 | 1 900 m | |
| 1 200 mm | 1965 | 4 000 m | |
| Total Cast iron | | 43 360 m | |
| Asbestos cement | | | |
| 200 mm | 1967 | 3 500 m | |
| 350 mm | 1970 | 3 500 m | |
| Total Asbestos cement | | 7 000 m | |
| Total Acct.352.1 | | | 2 432 570 |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity | | | |
| Sewers | | | |
| Brick | | | |
| 1 400 mm | 1911 | 287 m | |
| 1 000-1 500 mm | 1910 | 250 m | |
| 1 100 mm | 1911 | 78 m | |
| 700-1 050 mm | 1910 | 100 m | |
| Brick,egg shaped | | | |
| 880-1 320 mm | 1914 | 614 m | |
| 840-1 260 mm | 1914 | 365 m | |
| 720-1 080 mm | 1914 | 154 m | |
| 540-810 m | 1914 | 171 m | |
| Brick and concrete | | | |
| 600-900 mm | 1912 | 182 m | |
| 540-810 mm | 1912 | 146 m | |
| 500-750 mm | 1912 | 65 m | |
| 400 mm | 1912 | 118 m | |
| 300 mm | 1912 | 103 m | |
| Cast in place masonry | | | |
| 1 450-500 mm | 1977 | 570 m | |
| 1 250-500 mm | 1977 | 280 m | |
| 1 200-500 mm | 1977 | 160 m | |
| 1 000-500 mm | 1977 | 255 m | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Concrete | | | |
| 1 150 mm | 1914 | 62 m | |
| 900 mm | 1919 | 217 m | |
| 850 mm | 1914 | 290 m | |
| 750 mm | 1914 | 118 m | |
| 650 mm | 1914 | 65 m | |
| 500 mm | 1919 | 33 m | |
| 450 mm | 1914 | 100 m | |
| 400 mm | 1914 | 150 m | |
| | 1919 | 135 m | |
| | 1916 (a) | 285 m | |
| 350 mm | 1919 | 120 m | |
| 300 mm | 1914 | 80 m | |
| | 1919 | 90 m | |
| | 1917 (a) | 170 m | |
| Concrete clay pipe | | | |
| 1 000 mm | 1952 | 25 m | |
| 800 mm | 1952 | 350 m | |
| 600 mm | 1952 | 150 m | |
| Concrete in place | | | |
| 1 650-1 370 mm | 1914 | 250 m | |
| 1 500-1 650 mm | 1914 | 18 m | |
| 910-1 370 mm | 1914 | 2 207 m | |
| 800-800 mm | 1960 | 390 m | |
| 750-750 mm | 1960 | 240 m | |
| | 1961 | 168 m | |
| | | 408 m | |
| 500-1 000 mm | 1930 | 1 300 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Concrete in place (Cont'd) | | | |
| 1 900 mm | 1914 | 70 m | |
| | 1930 | 575 m | |
| | 1928(a) | 645 m | |
| 1 750 mm | 1914 | 1 750 m | |
| 1 650 mm | 1921 | 148 m | |
| | 1931 | 697 m | |
| | 1929(a) | 845 m | |
| 1 600 mm | 1914 | 1 290 m | |
| | 1928 | 624 m | |
| | 1930 | 601 m | |
| | 1921(a) | 2 515 m | |
| 1 550 mm | 1952 | 2 040 m | |
| 1 500 mm | 1929 | 681 m | |
| 1 450 mm | 1914 | 774 m | |
| | 1930 | 150 m | |
| | 1917(a) | 924 m | |
| 1 350 mm | 1914 | 60 m | |
| | 1929 | 1 450 m | |
| | 1930 | 157 m | |
| | 1929(a) | 1 667 m | |
| 1 300 mm | 1925 | 876 m | |
| | 1932 | 428 m | |
| | 1952 | 1 140 m | |
| | 1939(a) | 2 444 m | |
| 1 200 mm | 1914 | 295 m | |
| | 1920 | 688 m | |
| | 1930 | 343 m | |
| | 1921(a) | 1 326 m | |
| 1 150 mm | 1914 | 314 m | |
| | 1920 | 294 m | |
| | 1929 | 357 m | |
| | 1932 | 108 m | |
| | 1922(a) | 1 073 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Concrete in place (Cont'd) | | | |
| 1 100 mm | 1911 | 619 m | |
| | 1913 | 60 m | |
| | 1927 | 357 m | |
| | 1930 | 415 m | |
| | 1952 | 1 215 m | |
| | 1935(a) | 2 666 m | |
| 1 050 mm | 1914 | 73 m | |
| | 1924 | 97 m | |
| | 1929 | 245 m | |
| | 1925(a) | 415 m | |
| 1 000 mm | 1911 | 996 m | |
| | 1913 | 102 m | |
| | 1920 | 147 m | |
| | 1924 | 137 m | |
| | 1925 | 213 m | |
| | 1929 | 196 m | |
| | 1932 | 293 m | |
| | 1952 | 210 m | |
| | 1922(a) | 2 294 m | |
| 950 mm | 1924 | 214 m | |
| | 1927 | 101 m | |
| | 1932 | 550 m | |
| | 1937 | 1 032 m | |
| | 1934(a) | 1 897 m | |
| 900 mm | 1911 | 761 m | |
| | 1913 | 261 m | |
| | 1914 | 1 105 m | |
| | 1920 | 913 m | |
| | 1924 | 162 m | |
| | 1925 | 590 m | |
| | 1927 | 67 m | |
| | 1929 | 162 m | |
| | 1930 | 338 m | |
| | 1932 | 357 m | |
| | 1954 | 156 m | |
| | 1921(a) | 4 872 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Concrete in place (Cont'd) | | | |
| 850 mm | 1913 | 501 m | |
| | 1920 | 215 m | |
| | 1924 | 760 m | |
| | 1927 | 152 m | |
| | 1932 | 356 m | |
| | 1922(a) | 1 984 m | |
| 2-850 mm | 1929 | 300 m | |
| 800 mm | 1911 | 582 m | |
| | 1913 | 452 m | |
| | 1914 | 112 m | |
| | 1924 | 137 m | |
| | 1929 | 554 m | |
| | 1932 | 324 m | |
| | 1920(a) | 2 161 m | |
| 750 mm | 1920 | 221 m | |
| | 1924 | 962 m | |
| | 1925 | 327 m | |
| | 1927 | 319 m | |
| | 1929 | 271 m | |
| | 1930 | 424 m | |
| | 1932 | 1 314 m | |
| | 1954 | 86 m | |
| | 1928(a) | 3 924 m | |
| 700 mm | 1911 | 169 m | |
| | 1914 | 170 m | |
| | 1915 | 230 m | |
| | 1920 | 119 m | |
| | 1924 | 193 m | |
| | 1927 | 183 m | |
| | 1932 | 241 m | |
| | 1921(a) | 1 305 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Concrete in place (Cont'd) | | | |
| 650 mm | 1924 | 517 m | |
| | 1927 | 412 m | |
| | 1932 | 291 m | |
| | 1954 | 122 m | |
| | 1929 (a) | 1 342 m | |
| 600 mm | 1911 | 253 m | |
| | 1913 | 212 m | |
| | 1914 | 166 m | |
| | 1924 | 106 m | |
| | 1925 | 573 m | |
| | 1929 | 121 m | |
| | 1930 | 186 m | |
| | 1932 | 916 m | |
| | 1925 (a) | 2 533 m | |
| 550 mm | 1914 | 106 m | |
| | 1924 | 173 m | |
| | 1925 | 463 m | |
| | 1930 | 202 m | |
| | 1932 | 486 m | |
| | 1954 | 170 m | |
| | 1930 (a) | 1 600 m | |
| 500 mm | 1911 | 472 m | |
| | 1920 | 171 m | |
| | 1924 | 557 m | |
| | 1927 | 105 m | |
| | 1930 | 133 m | |
| | 1932 | 86 m | |
| | 1921 (a) | 1 524 m | |
| 450 mm | 1914 | 644 m | |
| | 1924 | 286 m | |
| | 1925 | 81 m | |
| | 1927 | 77 m | |
| | 1930 | 96 m | |
| | 1932 | 307 m | |
| | 1922 (a) | 1 491 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Concrete in place (Cont'd) | | | |
| 400 mm | 1913 | 239 m | |
| | 1914 | 566 m | |
| | 1920 | 236 m | |
| | 1924 | 262 m | |
| | 1927 | 136 m | |
| | 1930 | 225 m | |
| | 1932 | 566 m | |
| | 1954 | 74 m | |
| | 1924(a) | 2 304 m | |
| 350 mm | 1914 | 95 m | |
| | 1920 | 96 m | |
| | 1924 | 389 m | |
| | 1927 | 178 m | |
| | 1930 | 72 m | |
| | 1931 | 132 m | |
| | 1932 | 322 m | |
| | 1926(a) | 1 284 m | |
| 300 mm | 1911 | 158 m | |
| | 1913 | 218 m | |
| | 1914 | 140 m | |
| | 1924 | 369 m | |
| | 1925 | 82 m | |
| | 1927 | 287 m | |
| | 1930 | 44 m | |
| | 1931 | 118 m | |
| | 1932 | 70 m | |
| | 1933 | 120 m | |
| | 1923(a) | 1 606 m | |
| Concrete pipe | | | |
| 1 400 mm | 1959 | 290 m | |
| 1 350 x 650 mm reducing | 1925 | 460 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Concrete pipe (Cont'd) | | | |
| 1 250 mm | 1932 | 94 m | |
| 1 150 mm | 1928 | 82 m | |
| 1 100 mm | 1952 | 20 m | |
| | 1959 | 510 m | |
| | 1967 | 62 m | |
| | 1955(a) | 592 m | |
| 1 050 mm | 1932 | 80 m | |
| | 1952 | 45 m | |
| | 1954 | 192 m | |
| | 1948(a) | 317 m | |
| 1 000 mm | 1925 | 138 m | |
| | 1928 | 265 m | |
| | 1952 | 20 m | |
| | 1928(a) | 423 m | |
| 1 000 x 800 mm reducing | 1952 | 9 m | |
| 950 mm | 1944 | 625 m | |
| 900 mm | 1928 | 114 m | |
| | 1932 | 118 m | |
| | 1947 | 322 m | |
| | 1952 | 35 m | |
| | 1966 | 60 m | |
| | 1943(a) | 649 m | |
| 820 mm | 1952 | 10 m | |
| 800 mm | 1959 | 165 m | |
| 750 mm | 1915 | 319 m | |
| | 1925 | 358 m | |
| | 1928 | 148 m | |
| | 1952 | 12 m | |
| | 1959 | 240 m | |
| | 1962 | 237 m | |
| | 1939(a) | 1 489 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Concrete pipe (Cont'd) | | | |
| 700 mm | 1919 | 54 m | |
| | 1950 | 280 m | |
| | 1954 | 230 m | |
| | 1962 | 176 m | |
| | 1952 (a) | 740 m | |
| 2-700 mm | 1952 | 69 m | |
| 650 mm | 1925 | 55 m | |
| | 1932 | 130 m | |
| | 1947 | 123 m | |
| | 1954 | 150 m | |
| | 1962 | 137 m | |
| | 1947 (a) | 595 m | |
| 600 mm | 1915 | 133 m | |
| | 1928 | 433 m | |
| | 1932 | 98 m | |
| | 1950 | 230 m | |
| | 1952 | 20 m | |
| | 1959 | 120 m | |
| | 1962 | 64 m | |
| | 1975 | 700 m | |
| | 1952 (a) | 1 798 m | |
| 2-600 mm | 1952 | 80 m | |
| 3-600 mm | 1925 | 65 m | |
| | 1952 | 77 m | |
| | 1940 (a) | 142 m | |
| 4-600 mm | 1952 | 168 m | |
| 550 mm | 1925 | 99 m | |
| | 1932 | 184 m | |
| | 1959 | 105 m | |
| | 1962 | 46 m | |
| | 1940 (a) | 434 m | |
| 2-550 mm | 1952 | 88 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Concrete pipe (Cont'd) | | | |
| 500 mm | 1915 | 138 m | |
| | 1925 | 221 m | |
| | 1928 | 132 m | |
| | 1932 | 146 m | |
| | 1938 | 85 m | |
| | 1947 | 20 m | |
| | 1950 | 315 m | |
| | 1962 | 104 m | |
| | 1936(a) | 1 161 m | |
| 450 mm | 1925 | 238 m | |
| | 1932 | 102 m | |
| | 1962 | 164 m | |
| | 1938(a) | 504 m | |
| 400 mm | 1932 | 150 m | |
| | 1962 | 178 m | |
| | 1948(a) | 328 m | |
| 350 mm | 1925 | 74 m | |
| | 1928 | 90 m | |
| | 1927(a) | 164 m | |
| 300 mm | 1925 | 71 m | |
| | 1926 | 252 m | |
| | 1932 | 82 m | |
| | 1927(a) | 405 m | |
| Perforated pipe | | | |
| 2-1 500 mm | 1932 | 1 500 m | |
| 2-1 250 mm | 1932 | 1 270 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers (Cont'd) | | | |
| Stoneware | | | |
| 900 mm | 1971 | 10 m | |
| 500 mm | 1971 | 255 m | |
| 450 mm | 1914 | 92 m | |
| | 1971 | 990 m | |
| | 1972 | 15 m | |
| | 1966(a) | 1 097 m | |
| 400 mm | 1914 | 462 m | |
| 375 mm | 1971 | | |
| | 1972 | 40 m | |
| 350 mm | 1914 | 241 m | |
| 300 mm | 1914 | 181 m | |
| | 1924 | 153 m | |
| | 1932 | 143 m | |
| | 1971 | 1 760 m | |
| | 1972 | 510 m | |
| | 1963(a) | 2 747 m | |
| Sewers of unknown date and kind | | | |
| 2 000 x 1 750 mm | | 37 m | |
| 1 400 mm | | 234 m | |
| 1 200 mm | | 95 m | |
| 900 mm | | 425 m | |
| 800 mm | | 1 160 m | |
| 750 mm | | 445 m | |
| 650 mm | | 297 m | |
| 600 mm | | 2 639 m | |
| 550 mm | | 489 m | |
| 500 mm | | 209 m | |

(a) Average Age Year

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| COLLECTION PLANT (Cont'd) | | | |
| Acct.352-Collection Sewers | | | |
| Acct.352.2-Collection Sewers-Gravity (Cont'd) | | | |
| Sewers of unknown date and kind (Cont'd) | | | |
| 450 mm | | 1 281 m | |
| 400 mm | | 382 m | |
| 375 mm | | 95 m | |
| 350 mm | | 427 m | |
| 300 mm | | 1 139 m | |
| Branch Sewers | | | |
| 250 mm | | 150 000 m | |
| 225 mm | | 150 000 m | |
| 200 mm | | 750 000 m | |
| 175 mm | | 450 000 m | |
| Storm water inlets | | 277 778 ea | |
| Manholes | | | |
| On sewers to 500 mm | | 37 922 ea | |
| On sewers over 500 mm | | 691 ea | |
| | | 38 613 ea | |
| Sewers and Manholes unknown kind | 1978 | 1 lot | |
| Total Acct.352.2 | | | 25 881 678 |
| Acct.353-Services to Customers | | 85 000 ea | |
| Total Acct.353 | | | 1 445 000 |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT | | | |
| Acct.360-Land and Land Rights | | | |
| No.1 East | 1966 | 1 310 $m^2$ | |
| No.2 East | 1969 | 1 lot | |
| No.3 East | 1967 | 1 350 $m^2$ | |
| No.4 East | 1969 | 1 155 $m^2$ | |
| No.5 East | 1967 | 1 lot | |
| No.6 East | 1968 | 1 lot | |
| No.7 East | 1966 | 1 lot | |
| No.8 East | 1966 | 1 lot | |
| No.9 East | 1971 | 1 380 $m^2$ | |
| No.10 East | 1967 | 1 lot | |
| No.11 East | 1965 | 12 800 $m^2$ | |
| Montazah | 1966 | 590 $m^2$ | |
| Maamoura | 1970 | 800 $m^2$ | |
| Hospitals | 1967 | 1 lot | |
| No.1 West | 1974 | 1 lot | |
| No.2 West | 1968 | 1 lot | |
| No.3 West | 1973 | 1 lot | |
| Old Fourn El Garaya | 1950 | 1 lot | |
| New Fourn El Garaya | 1975 | 1 lot | |
| Industries | 1972 | 1 lot | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.360-Land and Land Rights (Cont'd) | | | |
| Gheit El Enab Main | 1950 | 1 lot | |
| Gheit El Enab Auxiliary | 1974 | 1 lot | |
| Sidi Bishr | 1945 | 1 lot | |
| Sarwat | 1935 | 1 lot | |
| Glym | 1935 | 1 lot | |
| Sporting | 1935 | 1 lot | |
| New Sidi Gaber | Under Constr. | 1 lot | |
| Smouha | 1951 | 1 lot | |
| Mohsen Pasha | 1928 | 1 lot | |
| Bisiry | 1970 | 1 lot | |
| Sinin Pasha | 1970 | 1 lot | |
| Kait Bay | 1953 | 1 lot | |
| Total Acct.360 | | | |
| Acct.361-Structures and Improvements | | | |
| No.1 East Pump Station<br>Circular substructure<br>9 m diam.<br>Superstructure<br>12 x 9 x 6.7 m<br>Overhead travelling crane<br>High tension building<br>Stores,office and garage | 1966 | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.361-Structures and Improvements (Cont'd) | | | |
| No.2 East Pump Station | 1969-1971 | | |
| Circular substructure | | | |
| 9 m diam. | | | |
| Superstructure | | | |
| 12 x 9 x 6.7 m | | | |
| Overhead travelling crane | | | |
| Transformer building | | | |
| Stores,office and garage | | | |
| No.3 East Pump Station | 1967 | | |
| Circular substructure | | | |
| 9 m diam. | | | |
| Superstructure | | | |
| 12 x 9 x 6.7 m | | | |
| Overhead travelling crane | | | |
| Transformer building | | | |
| Generator building | | | |
| No.4 East Pump Station | 1969-1978 | | |
| Circular substructure | | | |
| 9 m diam. | | | |
| Superstructure | | | |
| 12 x 9 x 6.7 m | | | |
| Overhead travelling crane | | | |
| Transformer building | | | |
| Stores and office | | | |
| No.5 East Pump Station | 1967 | | |
| Circular substructure | | | |
| 9 m diam. | | | |
| Superstructure | | | |
| 12 x 9 x 6.7 m | | | |
| Overhead travelling crane | | | |
| No.6 East Pump Station | 1968 | | |
| Circular substructure | | | |
| 9 m diam. | | | |
| Superstructure | | | |
| 12 x 9 x 6.7 m | | | |
| Overhead travelling crane | | | |
| Transformer building | | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.361-Structures and Improvements (Cont'd) | | | |
| No.7 East Pump Station<br>Circular substructure<br>9 m diam.<br>Superstructure<br>12 x 9 x 6.7 m<br>Overhead travelling crane<br>Transformer building<br>Stores,office and garage | 1966 | | |
| No.8 East Pump Station<br>Circular substructure<br>9 m diam.<br>Superstructure<br>12 x 9 x 6.7 m<br>Overhead travelling crane<br>High tension building<br>Stores,office and garage | 1966 | | |
| No.9 East Pump Station<br>Circular substructure<br>9 m diam.<br>Superstructure<br>12 x 9 x 6.7 m<br>Overhead travelling crane<br>High tension building<br>Office | 1960-1966 | | |
| No.10 Pump Station<br>Circular substructure<br>9 m diam.<br>Superstructure<br>12 x 9 x 6.7 m<br>Overhead travelling crane<br>Transformer building<br>Office and store | 1967 | | |
| No.11 East Pumping Station<br>Circular substructure<br>11 m diam.<br>Superstructure<br>18 x 11 x 7 m<br>Overhead travelling crane<br>Transformer building | 1965 | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.361-Structures and Improvements (Cont'd) | | | |
| Montazah Pump Station | 1966 | | |
| Circular substructure 9 m diam. | | | |
| Superstructure 12 x 9 x 6.7 m | | | |
| Overhead travelling crane | | | |
| Transformer building | | | |
| Office | | | |
| Maamoura Pump Station | 1970 | | |
| Circular substructure 9 m diam. | | | |
| Superstructure 12 x 9 x 6.7 m | | | |
| Overhead travelling crane | | | |
| Transformer building | | | |
| Stores and office | | | |
| Hospitals Pump Station | 1967 | | |
| Substructure 6 m diam. | | | |
| Superstructure 9 x 6 x 6.7 m | | | |
| Overhead travelling crane | | | |
| No.1 West Pump Station | 1974 | | |
| Circular substructure 9 m diam | | | |
| Superstructure 12 x 9 x 6.7 m | | | |
| Overhead travelling crane | | | |
| Transformer room | | | |
| Office | | | |
| No.2 West Pump Station | 1968 | | |
| Circular substructure 9 m diam. | | | |
| Superstructure 12 x 9 x 6.7 m | | | |
| Overhead travelling crane | | | |
| High tension building | | | |
| Office and stores building | | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.361-Structures and Improvements (Cont'd) | | | |
| No.3 West Pump Station<br>Circular substructure<br>9 m diam.<br>Superstructure<br>12 x 9 x 6.7 m<br>Overhead travelling crane<br>High tension building<br>Office and stores building | 1973 | | |
| Old Fourn El Garaya Pump Station<br>Circular building<br>8 m diam. | 1950 | | |
| New Fourn El Garaya Pump Station<br>Circular substructure<br>9 m diam.<br>Superstructure<br>12 x 9 x 6.7 m<br>Overhead travelling crane<br>Office and stores building | 1975 | | |
| Industries<br>Circular substructure<br>13 m diam.<br>Superstructure<br>19 x 13 x 6.7 m<br>Overhead travelling crane<br>High tension rooms<br>Screen chamber<br>Office | 1972 | | |
| Gheit El Enab Main<br>Rectangular building<br>15 x 18 x 5.4 m<br>Overhead travelling crane | 1950 | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.361-Structures and Improvements (Cont'd) | | | |
| Gheit El Enab Auxiliary<br>Circular structure<br>9 m diam.<br>Superstructure<br>8 x 9 x 6.7 m<br>Overhead travelling crane<br>Office and store | 1970 | | |
| Sidi Bishr Pump Station<br>Buildings (Underneath the sidewalk) | 1945 | | |
| Sarwat Pump Station<br>Buildings (Underneath the sidewalk) | 1935 | | |
| Glym Pump Station<br>(Underneath the sidewalk)<br>Rectangular structure<br>12.5 x 6.5 x 6 m | 1935 | | |
| Sporting Pump Station<br>(Underneath the sidewalk)<br>Rectangular structure<br>12.5 x 6.5 x 6.5 m | 1935 | | |
| New Sidi Gaber Pump Station<br>Circular substructure<br>13 m diam.<br>Superstructure<br>12 x 13 x 9 m<br>Overhead travelling crane | 1978 | | |
| Smouha Pump Station<br>Rectangular building<br>30 x 9.5 x 5 m<br>Transformer building<br>Store | 1951 | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.361-Structures and Improvements (Cont'd) | | | |
| Mohsen Pasha Pump Station<br>Rectangular structure<br>20 x 8 x 8 m<br>Stores and office | 1928 | | |
| Bisiry Pump Station<br>Circular substructure<br>7 m diam.<br>Superstructure<br>10 x 7<br>Overhead travelling crane | 1970 | | |
| Sinin Pasha Pump Station<br>Circular substructure<br>7 m diam.<br>Superstructure<br>10 x 7<br>Overhead travelling crane<br>Transformer building | 1970 | | |
| Kait Bay Pump Station<br>Rectangular building<br>42 x 8 x 7 m<br>Overhead travelling crane | 1953 | | |
| Total Acct.361 | | | 2 247,840 |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment | | | |
| No.1 East Pump Station | | | |
| Pump (648/428 $m^3$/hr, 34/15 m.H) and Motor (151/46 hp, 1 450/960 R.p.m) | 1966 | 2 ea | |
| Pump (576 $m^3$/hr,9 m.H) and motor (33 hp, 730 R.p.m) | 1966 | 2 ea | |
| Transformer | 1966 | 2 ea | |
| Generator | 1966 | 1 ea | |
| Switchboard | 1966 | 1 lot | |
| Station piping | 1966 | 1 lot | |
| No.2 East Pump Station | | | |
| Pump (648/428 $m^3$/hr, 34/15 m.H) and Motor (151/46 hp, 1 450/960 R.p.m) | 1969 | 2 ea | |
| Pump (576/436 $m^3$/hr, 15/8.7 m.H) and Motor (60/30 hp, 960/730 R.p.m) | 1969 | 2 ea | |
| Transformer | 1969 | 2 ea | |
| Generator | 1969 | 1 ea | |
| Switchboard | 1969 | 1 lot | |
| Station piping | 1969 | 1 lot | |
| No.3 East Pump Station | | | |
| Pump (540 $m^3$/hr,17 m.H) and motor (58 hp, 960 R.p.m) | 1967 | 2 ea | |
| Pump (1 440 $m^3$/hr, 10 m.H) and Motor (78 hp, 720 R.p.m) | 1967 | 2 ea | |
| Transformer | 1967 | 2 ea | |
| Generator | 1967 | 1 ea | |
| Switchboard | 1967 | 1 lot | |
| Station piping | | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost I.F |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment (Cont'd) | | | |
| No.4 East Pump Station | | | |
| Pump (540/410 $m^3$/hr, 17/9.8 m.H) and Motor (60/30 hp, 960/730 R.p.m) | 1969 | 3 ea | |
| Transformer | 1969 | 2 ea | |
| Switchboard | 1969 | 1 lot | |
| Station piping | 1969 | 1 lot | |
| No.5 East Pump Station | | | |
| Pump (1 440/1 102 $m^3$/hr, 25/15.5 m.H) and Motor (190/95 hp, 960/720 R.p.m) | 1967 | 2 ea | |
| Pump (360/248 $m^3$/hr, 20/9 m.H) and Motor (45/15 hp, 1 450/960 R.p.m) | 1967 | 2 ea | |
| Transformer | 1967 | 2 ea | |
| Generator | 1967 | 1 ea | |
| Switchboard | 1967 | 1 ea | |
| Station piping | 1967 | 1 lot | |
| No.6 East Pump Station | | | |
| Pump (1 440/1 102 $m^3$/hr, 25/15.5 m.H) and Motor (190/95 hp, 960/720 R.p.m) | 1968 | 2 ea | |
| Pump (540/410 $m^3$/hr, 20/9 m.H) and Motor (60/30 hp, 960/730 R.p.m) | 1968 | 2 ea | |
| Transformer | 1968 | 2 ea | |
| Generator | 1968 | 1 ea | |
| Switchboard | 1968 | 1 lot | |
| Station piping | 1968 | 1 lot | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment (Cont'd) | | | |
| No.7 East Pump Station | | | |
| Pump (540/410 $m^3$/hr, 17/9.8 m.H) and Motor (60/30 hp, 960/730 R.p.m) | 1966 | 2 ea | |
| Transformer | 1966 | 2 ea | |
| Switchboard | 1966 | 1 lot | |
| Station piping | 1966 | 1 lot | |
| No.8 East Pump Station | | | |
| Pump (540/410 $m^3$/hr, 17/9.8 m.H) and Motor (60/30 hp, 960/730 R.p.m) | 1966 | 2 ea | |
| Transformer | 1966 | 2 ea | |
| Generator | 1966 | 1 ea | |
| Switchboard | 1966 | 1 lot | |
| Station piping | 1966 | 1 lot | |
| No.9 East Pump Station | | | |
| Pump (396/263 $m^3$/hr, 23/10 m.H) and Motor (60/20 hp, 1 450/960 R.p.m) | 1971 | 3 ea | |
| Transformer | 1971 | 2 ea | |
| Switchboard | 1971 | 1 lot | |
| Station piping | 1971 | 1 lot | |
| No.10 East Pump Station | | | |
| Pump (1 296/871 $m^3$/hr, 10/4.5 m.H) and Motor (75/25 hp, 720/480 R.p.m) | 1967 | 2 ea | |
| Pump (540/410 $m^3$/hr, 17/9.8 m.H) and Motor (60/30 hp, 960/730 R.p.m) | 1967 | 1 ea | |
| Transformer | 1967 | 2 ea | |
| Generator | 1967 | 1 ea | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment (Cont'd) | | | |
| No.10 East Pump Station (Cont'd) | | | |
| Switchboard | 1967 | 1 lot | |
| Station piping | 1967 | 1 lot | |
| No.11 East Pump Station | | | |
| Pump (4 320/2 898 $m^3$/hr, 28/11.8 m.H) and Motor (605/180 hp, 740/480 R.p.m) | 1965 | 3 ea | |
| Transformer | 1965 | 4 ea | |
| Switchboard | 1965 | 1 lot | |
| Station piping | 1965 | 1 lot | |
| Montazah Pump Station | | | |
| Pump (288/191 $m^3$/hr, 25/11 m.H) and Motor (50/15 hp, 1 450/960 R.p.m) | 1967 | 3 ea | |
| Switchboard | 1967 | 1 lot | |
| Station piping | 1967 | 1 lot | |
| Maamoura Pump Station | | | |
| Pump (432 $m^3$/hr, 35 m.H) and Motor (190 hp, 1 450 R.p.m) | 1970 | 3 ea | |
| Switchboard | 1970 | 1 lot | |
| Station piping | 1970 | 1 lot | |
| Hospitals Pump Station | | | |
| Pump (288 $m^3$/hr, 15 m.H) and Motor (35 hp, 1 450 R.p.m) | 1967 | 3 ea | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment (Cont'd) | | | |
| Hospitals Pump Station (Cont'd) | | | |
| Switchboard | 1967 | 1 lot | |
| Station piping | 1967 | 1 lot | |
| No.1 West Pump Station | | | |
| Pump (1 440 $m^3$/hr, 13 m.H) and | | | |
| Motor (100 hp, 720 R.p.m) | 1974 | 3 ea | |
| Switchboard | 1974 | 1 lot | |
| Station piping | 1974 | 1 lot | |
| No.2 West Pump Station | | | |
| Pump (576/436 $m^3$/hr, 15/8.7 m.H) and | | | |
| Motor (60/30 hp, 960/720 R.p.m) | 1968 | 2 ea | |
| Transformer | 1968 | 2 ea | |
| Switchboard | 1968 | 1 lot | |
| Station piping | 1968 | 1 lot | |
| No.3 West Pump Station | | | |
| Pump (1 440 $m^3$/hr, 14 m.H) and | | | |
| Motor (100 hp, 720 R.p.m) | 1973 | 3 ea | |
| Transformer | 1973 | 2 ea | |
| Generator | 1973 | 1 ea | |
| Switchboard | 1973 | 1 lot | |
| Station piping | 1973 | 1 lot | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment (Cont'd) | | | |
| Old Fourn El Garaya Pump Station | | | |
| Pump (300 $m^3$/hr) and Motor (15 hp) | 1950 | 2 ea | |
| Pump (600 $m^3$/hr) and Motor (27 hp) | 1950 | 1 ea | |
| Switchboard | 1950 | 1 lot | |
| Station piping | 1950 | 1 lot | |
| New Fourn El Garaya Pump Station | | | |
| Pump (720 $m^3$/hr, 10 m.H) and Motor (45 hp, 960 R.p.m) | 1975 | 3 ea | |
| Switchboard | 1975 | 1 lot | |
| Station piping | 1975 | 1 lot | |
| Industries Pump Station | | | |
| Pump (2 160/1 440 $m^3$/hr, 23/10 m.H) and Motor (260/80 hp, 730/480 R.p.m) | 1973 | 3 ea | |
| Transformer | 1973 | 4 ea | |
| Switchboard | 1973 | 1 lot | |
| Station piping | 1973 | 1 lot | |
| Gheit El Enab Main Pump Station | | | |
| Pump (600 $m^3$/hr,4 m.H) and motor (15 hp, 750 R.p.m) | 1968 | 2 ea | |
| Pump (300 $m^3$/hr,4 m.H) and motor (8 hp) | 1968 | 2 ea | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment (Cont'd) | | | |
| Gheit El Enab Main Pump Station (Cont'd) | | | |
| Pump (900 $m^3$/hr, 15 m.H) and Motor (75 hp, 1 470 R.p.m) | 1972 | 2 ea | |
| Switchboard | 1968 | 1 lot | |
| Station piping | 1972 | 1 lot | |
| Gheit El Enab Auxiliary Pump Station | | | |
| Pump (600 $m^3$/hr, 10 m.H) and Motor (52 hp, 1 470 R.p.m) | 1974 | 2 ea | |
| Pump (900 $m^3$/hr, 25 m.H) and Motor (75 hp, 1 470 R.p.m) | 1974 | 1 ea | |
| Generator | 1974 | 1 ea | |
| Switchboard | 1974 | 1 lot | |
| Station piping | | | |
| Sidi Bishr Pump Station | | | |
| Pump (300 $m^3$/hr, 8 m.H) and Motor (17.5 hp, 960 R.p.m) | 1945 | 2 ea | |
| Switchboard | 1945 | 1 lot | |
| Station piping | | | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment (Cont'd) | | | |
| Sarwat Pump Station | | | |
| Pump (300 $m^3$/hr, 8/10 m.H) and Motor (33 hp, 975 R.p.m) | 1935 | 1 ea | |
| Pump (300 $m^3$/hr, 8/10 m.H) and Motor (24 hp, 975 R.p.m) | 1935 | 1 ea | |
| Pump (300 $m^3$/hr, 8/10 m.H) and Motor (27 hp, 1 440 R.p.m) | 1935 | 2 ea | |
| Switchboard | 1935 | 1 lot | |
| Station piping | | | |
| Glym Pump Station | | | |
| Pump (480 $m^3$/hr, 10/15 m.H) and Motor (30 hp) | 1973 | 2 ea | |
| Pump (480 $m^3$/hr, 10/15 m.H) and Motor (30 hp) | 1975 | 1 ea | |
| Pump (480 $m^3$/hr, 10/15 m.H) and Motor (45 hp) | 1975 | 1 ea | |
| Switchboard | 1973 | 1 lot | |
| Station piping | 1975 | 1 lot | |
| Sporting Pump Station | | | |
| Pump (540 $m^3$/hr, 15/17 m.H) and Motor (45 hp) | 1935 | 2 ea | |
| Pump (900 $m^3$/hr, 15/17 m.H) and Motor (75 hp) | 1945 | 1 ea | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment (Cont'd) | | | |
| Sporting Pump Station (Cont'd) | | | |
| Pump (900 $m^3$/hr, 15/17 m.H) and Motor (90 hp) | 1951 | 2 ea | |
| Switchboard | 1935 | 1 lot | |
| | 1945 | 1 lot | |
| | 1951 | 1 lot | |
| Station piping | | | |
| New Sidi Gaber Pump Station | | | |
| Pump (2 520 $m^3$/hr, 18 m.H) and Motor (740 R.p.m) | 1978 | 3 ea | |
| Switchboard | | 1 lot | |
| Station piping | | | |
| Smouha Pump Station | | | |
| Pump (900 $m^3$/hr, 26 m.H) and Motor (126 hp, 980 R.p.m) | 1951 | 2 ea | |
| Pump (1 800 $m^3$/hr, 26 m.H) and Motor (220 hp, 980 R.p.m) | 1951 | 2 ea | |
| Switchboard | 1951 | 1 lot | |
| Station piping | 1951 | 1 lot | |
| Mohsen Pasha Pump Station | | | |
| Pump (1 200 $m^3$/hr, 15 m.H) and Motor (115 hp, 730 R.p.m) | 1928 | 2 ea | |
| Pump (480 $m^3$/hr, 11 m.H) and Motor (48 hp, 960 R.p.m) | 1928 | 2 ea | |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| PUMPING PLANT (Cont'd) | | | |
| Acct.363-Electric Pumping Equipment (Cont'd) | | | |
| Mohsen Pasha Pump Station (Cont'd) | | | |
| Generator | 1928 | 1 ea | |
| Switchboard | 1928 | 1 ea | |
| Station piping | | | |
| Bisiry Pump Station | | | |
| Pump (600 $m^3$/hr, 15 m.H) and Motor (75 hp, 1 470 R.p.m) | 1970 | 2 ea | |
| Switchboard | 1970 | 1 lot | |
| Station piping | 1970 | 1 lot | |
| Sinin Pasha Pump Station | | | |
| Pump (600 $m^3$/hr, 15 m.H) and Motor (75 hp, 1 470 R.p.m) | 1970 | 2 ea | |
| Switchboard | 1970 | 1 lot | |
| Station piping | 1970 | 1 lot | |
| Kait Bay Pump Station | | | |
| Pump (3 000 $m^3$/hr, 5 m.H) and Motor (114 hp, 585 R.p.m) | 1953 | 6 ea | |
| Generator | 1953 | 1 ea | |
| Switchboard | 1953 | 1 lot | |
| Station piping | 1953 | 1 lot | |
| Total Acct.363 | | | 9 562 632 |

GOSSD-ALEXANDRIA
INVENTORY OF UTILITY
PLANT IN SERVICE
December 31,1978

NETWORK

| | Year | Quantity | Original Cost LE |
|---|---|---|---|
| GENERAL PLANT | | | |
| Acct.389-Land and Land Rights | | 1 lot | 171 378 |
| Acct.390-Structures and Improvements | | 1 lot | 95 570 |
| Acct.391-Office Furniture and Equipment | | 1 lot | |
| Acct.392-Transportation Equipment | | 1 lot | 96 699 |
| Acct.393-Stores Equipment | | 1 lot | |
| Acct.394-Tools,Shop and Garage Equipment | | 1 lot | |
| Acct.395-Laboratory Equipment | | 1 lot | |
| Acct.396-Power Operated Equipment | | 1 lot | |
| Acct.397-Communication Equipment | | 1 lot | |