Appendixes

Appendix A

Selected Medical Services Projects in the Middle East

Table A-1. — Medical Services Contracts in Saudi Arabia

Project	Awarded to	Ownership	Public or private	Supplier nation	Location	Year of initiation	Product Ion level
1) Hospital staffing and management		70% U.S. Corp. 30% HRH Khalid Bin Abdullah Bin Abdulrahman Al-Saud	Ministry of Defense and Aviation (MODA) contract w/joint venture U.S. Corp. and private Saudi partner	United States	Jeddah. Khami's Muchayt, Tabuk	1981	To staff and operate 3 hospitals
Dollar value: \$334 m							
2) Hospital area	Kuk Dong Construction	Korean and Saudi joint	MODA contract with	Korea	King Khalid	1981	To build a 300. bed
15H	Co., Ltd/Al Mashrik Contracting Company	venture	Korea private joint venture companies	10.00	Military City, Al Batin		
Size of personnel ur Dollar value: \$164.8 Major Saudi Participant		ting Company					
3) Four 100-bed hospitals	Dragages et Travaux Publics/EI Seif Engineering and Contracting joint venture	France and Saudi Arabia	Ministry of Health (MOH) contract with private joint venture	France	Ula, Qunfuda, Rabigh, Adum	1981	To build, equip. furnish four 100-bed hospitals
Size of personnel: un Dollar value: \$199.6 Major Saudi participa NOTES: Subcontractor		g and Contracting electrical work					
4) Hospital management	International Hospital Group (IHG) [Major competition came fror Belgium, France and Us.]	United Kingdom	Saudi Arabian National Guard contract with private firm	United Kingdom	Jeddah	1981	To commisston and operate the 500-bed National Guard hospital in Jeddah constructed by Eurosystem Hospitalier of Belgium
	million ants: — rs include: International	Aeradio, Grand Metropolitan,					chell and Co , International
	Services, Cusdin, Burden	and Hewitt, Donald Smith, S	eymour and Rooley, and Ha	nscomb Internation	nal for services rai		accountancy to architecture
5) Hospital management	Hospital Corporation of America (HCA)	United States	National Guard contract with private firm on a government to government basis	United States	Riyadh	1982	To staff and manage the 500 bed hospital for 30 months
Size of personnel: 1,5 Dollar value \$350 mi Major Saudi participan							

Project	Awarded to	Ownership	Public or	private	Supplier nat	ion Location	Year of initiation	Product Ion level
6)Two 100-bed hospitals	Laing Wimpey Alireza	Laing Wimpey Alireza, a U, K./Saudi joint venture	MOH contract companies	with private	United Kingdom, Ita Canada	Bakeriyya and ly, Mizheb	1981	To construct two 100-bed hospitals each with maternity wards, gynecology, physiotherapy, pediatrics radiotherapy, dentistry, two operating theaters, blood bank and hematology lab,
Size of personnel: U Dollar value: \$90.9								
<i>Major Saudj particiµ</i> VOTES: Subcontract		Design Associates, Totalterm	ica. Redi Electr	ic. Arabian (Consultant End	ineerina Center. C	anadian Heal	th Care.
7) Hospital	El Seif Engineering and Contracting;/ Dragages et Travaux Publics/Samsun Construction Company	Saudi, French. Korean	MOH contract companies				1981	Construction of a 345-ber hospital with screening clinic, ancillary buildings housing, and all medical equipment
Size <i>of</i> personnel: U Dollar value:\$102 . 3 Major Saudi particij	million							
8) Public Security Hospital-Phase I	Ballast Nedam Group I and Gustav Epple (design by Llewelyn- Davies Weeks)	Netherlands and West Germany (U K.)	Ministry of Ini contract with		Netherlands, West German (U K.)	Riyadh y	1981	To expand existing 105-bed PSH to add 179 beds and establish 8 intensive care units, 4 units for heart patients, operating theaters, and outpatient facilities
Size of personnel: \ Dollar value: \$166 . Major Saudi particij	7 million							
9) Health services	Charter Medical Saudi Co., Ltd.	Joint venture between Saudi Medical Services (90%) and Charter Medical Corp. (10%)	MODA contrac private compa		United States	King Khalid Military City near Hafral Bat in	1982	To provide complete health care services to KKMC including 100-bed acute general care hospital and related clinics
	million <i>ipant:</i> Saudi Medical Serv	ices a subcontract to supply hospi	tal training prog	rams				
Complex Size of personnel: UI		d) – .	MOH contra	act offer	_	Riyadh	1983 +	'1-400-bed medical complex
Dollar value: Unkno Major Saudi Particip VOTE: One of the	pants: —	in the MOH 1980-85 program	—status now ur	ocertain Plan	s for the comm	lex were drafted by	/ Rogers Bu	roun Shahine and Deschlu

Table A-I .-- Medical Services Contracts in Saudi Arabia (continued)

SOURCES Office of Technology Assessment

Source of funds	Project	Foreign nations involved	Contractors	Product	Year started_	Level expendidures	Comments
 Private sector Equity: Saudi/Egyptian debt: Barclay's Basnco di Roma Misr. Int'l. 	Arab Contractor's Hospital		European equipment	Hospital		\$17 million	
Equity: Saudi, German, Egyptian debt: Egyptian, German banks	Misr. International Hospital		European equipment	150-bed hospital		\$6.5 million	
Equity: Saudi, Egyptian, American (12.50/0), Gulf States	As-Salam International Hospital	1-U.S.	American Medical International	300-bed hospital management	1980	\$56 million planned	AM I has withdrawn from management
	HOSpital	2-Korea	Dongsan Construction and Engineering	construction		\$80 million actual	
		3-United Kingdom	Widnett & Trollope	quantity surveyor			
Equity: Egyptian, Kuwait i debt: 70°/0	Cairo Hospital		European equipment	80-bed hospital		\$30 million	
	Squibb Factory	United States		drugs			Only fully private drug factory in Egypt
II. Public/private joint venture	Pfizer Company Egypt Swiss Pharma Hoescht Orient	United States Switzerland Germany Arab		pharmaceuticals		\$20-23 million	Plan as of April, 1979;
	El Qahira Co.	Alab		pharmaceuticais		φ20-23 minion	new factory in Ramadan. Joint venture with Arab Investment Co. for medical industries and medical requirements

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Source o funds	Project	⊢oreign nations involved	Contractors	Product	Year started	Level expendidures	Comments
II. Public sector							
	Chemical Industries Co.				1978		New plant in Giza
	Memphis Co. Misr Pharmaceutical Co.				1978	\$7 million \$7-10 million	New factory in Cairo New plant in Abu Zaabal
	El Masr Pharmaceutical Co.	People's Republic of					Four new plants
		China					
	Arab Pharmaceuticals Co.				978		Tablet and capsule medicines
	Alexandria Drug				1978		Expansion to include veterinary
Japanese Gov't.	Pediatric hospital	Japan	Egyptian engineers medical equipment	240-bed hospital	1979	\$30 million grant	Opened 1982, in Cair
Japanese Gov't.	Medical Education Technology Center	Japan		Closed circuit TV	1982	LE 1 million grant	Equipment additions donation
French Gov't.	Suez Canal University Teaching Hospital	France		teaching hospital	982	\$20 million grant	
	Ismailia Medical School				1977		Opened October 198 at Suez Canal Univ
	Assiut University Teaching Hospital			over 1,000-bed teaching hospital			Will open 1983
	Ein Shams University Hospital		over 1,000-bed hospital				Under construction
	Gamul Abdel Nasser Hospital			over 1,000-bed cancer hospital			Under construction
M (m), of the state	Cairo area hospitals			hospitals	1979-82		hirteen opened totaling 2,500 beds
Ministry of Health	Medium sized hospitals			100-140 bed hospitals			Sixteen hospitals under construction totaling 4.600 beds

Table A-2.—Major Projects and Sources of Investment in Medical Services in Egypt (1971-1981) (continued)

SOURCE: Office of Technology Assessment.

Description of project	Client	Contractor	Location	Value of contract	Year
1. Provision of technical services and medicines for a plant to make antibiotics	Ministry of Health	Indian Drugs and Pharmaceuticals (India)	Medea	Not stated	1979
2. Supply of four mobile laboratories to analyze water and noise pollution	Ministry of Health	Ecopol (France)		Not stated	1980
3. Supply of 50 refuse presses and staff training	Ministry of Health	Martex (France)		\$980,800	1980
 Supply of 100 incubators for premature babies 	Ministry of Health	Vickers Medical (United Kingdom)	_	\$264,700	1980
5. Preparation of studies for hospital	Ministry of Health	Uniconsult (Sweden)	Constantine	Not stated	1981
6. Supply of dental equipment	Ministry of Health	Nissho Iwai Co. (Japan)		\$1 million	1981
7. Construction of three hospitals	Ministry of Health	Maurice Delens & Batipont Int'I. (Belgium)	El-Cheliff	\$38.8 million	1982
8. Supply of dental equipment	Ministry of Health	Nissho Iwai Co. (equipment manufacture by Yoshida (Japan))	_	\$1 million	1981
9. Pharmaceutical plants feasibility study SOURCE Office of Technology Assessment	Ministry of Health	Chemokomplex (Hungary)	_	\$230,000	1982

Table A-3.-Medical Services Contracts in Algeria 1979-82

Table A-4.—Medical Services Contracts in Iraq

Country Year	Supplier	Description	\$ amount
France1980	Renault Industries	Construction of five hospitals	\$116 million
France ., . 1977	Institut Merieux Stodete	Provision of vaccine-producing plant	\$24 million
France 1981	No Data	Construct two ophthalmological clinics in Baghdad	\$40 million
Ireland1981	Fay International Co.	Construction of hospital sewerage	\$0.5 million
Italy	Olsa Construction	Construct vaccine plant	\$3 million
Japan1979	Marunbenicorpstaiset Corp.	Construction of four 400-bed hospitals	\$1385 million
Japan ., .,1981	Marunbeni Corp. and Tisei	Hospital construction	\$60 million
South Korea1980	Hyundia Construction	Construct 2d stage Baghdad's medical city	\$338.6 million
Kuwait .,	No data	Construct 2d stage therapeutic institute	\$20 million
Spain1981	Huarte & Compagnia	Construction of pediatric and maternity hospitals	\$175 million
United Kingdom1982	Shanning International	Medical equipment	\$10.8 million
United Kingdom1979		Design of reconstruction and expansion of Baghdad's General Hospital	No data
United States1980	Med Tech Int	Supply of three 0450 CT scanners, including installation, training and maintenance	\$3 million
United States1977	Roger Butler & Burgan Associates and Whiting Associates International Corp.	2d stage Medical City	\$89.6 million approx.
United States1980	Med Tech Int	Supply of renal dialysis equipment	No data
Yugoslavia ,1981	Sutjeska Fabrika	Supply of medical equipment	No data
SOURCE Office of Technolog	gy Assessment.		

Commodity Import Program1975	24.4 ^ª 3.0 pending (for Grant 606 FY 83)	Medical Supplies. (Commodities are procured by various Government of Egypt Ministries and organizations as allocated by the Ministry of Investment and International Cooperation. These procurements are periodically announced in the A.I.D. Export Opportunities Bulletin,
		published by A. I.D. 's Office of Small Business.)
Strengthening Rural Health Delivery 1976	14.9	This grant project is designed to assist the government to identify and validate, through field trials, the principal factors limiting the productivity and outreach of the rural health service, and to devise strategies to reduce or eliminate these factors.
Family Planning1977	67.6	To strengthen family planning delivery services. The activities include: a) expanded community-based family planning services delivery programs in rural and urban areas; b) integrated health, family planning and social services delivery projects in the Menoufia and Beni Suef Governorates; c) development of a field training site in Alexandria; d) development of a training center at Al Gala. Maternity Hospital; e) a multi-media IE&C campaign; f) innovative activities to test new approaches to FP services delivery. Fiscal year 1983 last year of obligation.
Urban Health Delivery Systems1979	37.3	This project is designed to improve the delivery of urban health services, particularly maternal-child health (MCH), family planning and nutrition services, in Cairo and Alexandria. The activity emphasizes community involvement, the use of home visitors, the delivery of health services in the neighborhoods where people live, physical improvements to facilities, and cooperation between the health services of Cairo Universities and the Ministry of Health.
Suez Community Health Personnel Training1980	13.2	This grant assists the GOE in improving health services, particularly primary care, by initiating an integrated medical education and health services program which relates educational investment directly to the health needs of the population. The funds are used to train health personnel to plan, manage and provide preventive and community-based primary health services, including maternal and child health, nutrition, family planning and environmental sanitation.
Control of Child Diarrheal	00.0	To develop and initiate a national compare to reduce inform
Diseases1981	26.0	To develop and initiate a national campaign to reduce infan- and child mortality due primarily to diarrhea caused by dehydration.
Population/Family Planning II1983	20.6	To give substantial further stimulus to the several programs centered around the provision of family planning information and services through public and private channels; also to stimulate further understanding of population and family planning issues in a manner which will increase demand for existing and new family planning services and result in significant reduction of the birth rate in the next few years.
Total	261.6	rate in the next lew years.
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Table A-5.—AID Health Programs in Egypt (million U.S. \$)

SOURCE Agency for International Development, Doc. #1215H, Mar. 6, 1984