

PDAA2658
1/21/84

UNITED STATES INTERNATIONAL DEVELOPMENT COOPERATION AGENCY
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D. C. 20523

P R O J E C T P A P E R

Amendment No. 3

EGYPT: URBAN HEALTH DELIVERY SYSTEMS
(263-0065)

APPENDIX 3A, Attachment 1
Chapter 3, Handbook 3 (TM 3:43)

AGENCY FOR INTERNATIONAL DEVELOPMENT
PROJECT DATA SHEET

1. TRANSACTION CODE
 A - Add
C - Change
D - Delete
Amendment Number: 3

DOCUMENT CODE: 3

COUNTRY/ENTITY: EGYPT
BUREAU, DIVISION: NE

2. PROJECT NUMBER: 263-0065
3. PROJECT TITLE (maximum 40 characters): URBAN HEALTH DELIVERY SYSTEMS

4. PROJECT ASSISTANCE COMPLETION DATE (FY) (MM DD YY): 07 31 87
5. ESTIMATED DATE OF OBLIGATION (Under "B" below, enter 1, 2, 3, or 4)
A. Initial FY: 79 B. Quarter: 5 C. Final FY: 84

6. COSTS (\$000 OR EQUIVALENT \$1 =)

A. FUNDING SOURCE	FIRST FY <u>79</u>			LIFE OF PROJECT		
	B. FX	C. LC	D. Total	E. FX	F. LC	G. Total
ADJ Appropriated Total						
Grant	12,640	2,313	4,953	28,823	16,730	45,553
Loan						
Other						
U.S.						
Host Country		10,664	10,664		80,513	80,513
Other Donors						
TOTALS	2,640	12,977	15,617	28,823	97,243	126,066

7. SCHEDULE OF AID FUNDING (\$000)

A. APPROXIMATE PROXIMATE DATE	B. PRIMARY PURPOSE CODE	C. PRIMARY TECH CODE	D. OBLIGATIONS TO DATE		E. AMOUNT APPROVED THIS ACTION		F. LIFE OF PROJECT	
			1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan
11/84	533	510	37,253		8,300		45,553	
(2)								
(3)								
(4)								
TOTALS								

8. SECONDARY TECHNICAL CODES (maximum 6 codes of 3 positions each)
510 | 563 | 580 | 530 | 440 |

9. SECONDARY PURPOSE CODE: 532

10. SPECIAL CONCERNS CODES (maximum 7 codes of 4 positions each)
A. Code: | | | | B. Amount: | | | |

11. PROJECT PURPOSE (maximum 450 characters):

To make the existing urban health delivery system more accessible and effective so that it better supports efforts at health improvement in the project area and could form the basis for Cairo-wide and other urban area replication.

12. SCHEDULED EVALUATIONS: Interim 10/84 Final 12/87

13. SOURCE/ORGAN OF GOODS AND SERVICES: 000 941 Local Other (Specify)

AMENDMENTS/NATURE OF CHANGE PROPOSED (This is Page 1 of ___ page(s) of amendments)
This amendment provides funds to cover increases in construction costs due to the decision to upgrade to U.S. standards and to inflation attendant upon the delays in completing and negotiating the architectural and engineering contracts, land acquisition, and necessary redesigns.

14. APPROVED BY: M.P.W. Stone Mission Director
Date Signed: 10/21/84

15. DATE OF PREVIOUS RECEIPT IN AID OF PROJECT (DD MM YY): 11/26/84

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URABAN HEALTH DELIVERY SYSTEMS PROJECT
No. 263-0065

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SECOND AMENDMENT
TO
PROJECT AUTHORIZATION

Name of Country: Arab Republic
of Egypt

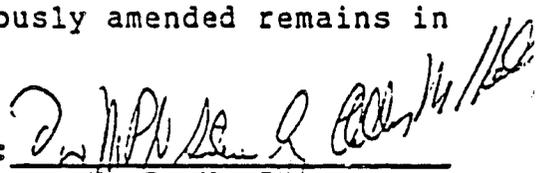
Name of Project: Urban Health
Delivery Systems

Number of Project: 263-0065

- I. Pursuant to Section 531 of the Foreign Assistance Act of 1961, as amended ("the Act"), the Urban Health Delivery Systems Project for the Arab Republic of Egypt was authorized on November 15, 1978. That authorization, as amended on August 18, 1981 is hereby further amended as follows:

The first paragraph is amended to delete the words and figures "Thirty-seven Million Two Hundred Fifty-three Thousand United States Dollars (\$37,253,000)" and to substitute the words and figures "Forty-five Million Five Hundred Fifty-three Thousand United States Dollars (\$45,553,000)" therefor.

2. The authorization, cited above, as previously amended remains in force except as hereby further amended.

Signature: 
M. P. W. Stone
Director

Date: Oct 29, 1984

OCT 29 1984

A. Summary

1. Grantee: The Government of the Arab Republic of Egypt.
2. Implementing Agency: The Ministry of Health represented by the Urban Health Delivery Systems Project and the Health Insurance Organization.
3. Grant Amount: Adds \$8,300,000 for construction, A & E services and contingency to bring the A.I.D life-of-project total to \$45,553,000.
4. Project Goal: To improve the health status of the Egyptian people.
5. Project Purpose: To make the existing urban health delivery system more accessible, effective and utilized so that it better supports efforts at health improvement in the project area and could form the basis for Cairo-wide and other urban area replication.
6. Project Description: The original Project Grant Agreement was signed in November 1978 in the amount of \$4,953,000 for the first year funding of a \$25,253,000 project. The balance of this funding was provided in early 1980. The Project Authorization was amended in August 1981 to increase the level of funding to \$37,253,000. The project is intended to increase the effectiveness, accessibility and utilization of the urban health delivery systems in Cairo and Alexandria.

The target population is estimated to be 4 million urban poor in the two project sites, the majority of whom are women of child-bearing age and children under the age of 6. Improvements to services are being carried-out through technical assistance, extensive training, especially in Egypt, modernizing equipment and physical improvements to facilities. Towards this end, 15 of 18 planned Maternal Child Health Clinics (MCHC's) have been renovated in Cairo. An additional 11 are being surveyed by an A & E firm in Alexandria to start renovations there.

The construction of new, higher level health facilities, is also a key component of the Project. A 7,000 square meter teaching and research center under the auspices of the Department of Pediatrics at Cairo University is planned. The unit, the Center for Social and Preventive Medicine (CSPM) will be staffed by both University and MOH employees.

This is expected to strengthen working relationships between the Ministry of Health (the provider of services) and the University (the trainers of physicians who will work in MOH clinics). Of more importance is the fact that the CSPM staff, through their research and work in MOH facilities, will be encouraging a community/public health approach to providing services to the population. The innovative ideas developed at the CSPM will be formalized in changes in the Medical School curricula. The second major construction activity is the building of 8, 1,300 square meter, General Urban Health Clinics (GUHC's) in Cairo to augment the 6 already existing. These clinics will provide more specialized health care than is available in the MCHC's. All three health units (the CSPM, the GUHC's and the MCHC's) will provide a much improved referral system for the clients and relieve the already over-crowded conditions in hospitals in the city.

Progress to date: The findings of the second internal evaluation of the Project completed in early 1984 indicated that considerable progress has been made towards meeting the stated purpose of the Project, especially over the past year and a half. Clients like the services provided in the newly reopened clinics and the staff are taking more interest in their work, staying on the job for longer hours and spending more time with patients. Staff in Alexandria are planning for the renovation of clinics there and are conducting training courses for clinic staff to prepare them for working in more functional clinics once renovations are completed in 1985.

Despite this considerable progress on the technical and renovation side of the Project, delays in obtaining the contracts for the new construction and the decision to change from Egyptian standard construction to U.S. standards have caused a 120 percent increase in construction costs since the original estimates were prepared in August 1978. The most significant delays were: underestimation of the time that would be needed to compete and negotiate the Egyptian and U.S. architectural and engineering contracts; underestimation of the time required for the G.O.E. acquisition of and gaining access to suitable land; reworking of initial designs because the costs exceeded the budget and were too large for some sites; and the unanticipated and extended absence of the U.S. architect from Egypt for medical reasons.

Although an inflation factor was built into the original costs estimates, delays of two and in some cases four years caused considerable increases in the costs attributable to inflation. We estimate \$ 6.1 million or 60 percent of the total increase in cost is due to the added inflation costs.

In order to increase the visibility of U.S. foreign assistance in Egypt, to increase utilization of the facilities by making them more modern and attractive, to open competition to U.S. firms, and to improve the building's, safety and durability, the decision was made to change from Egyptian standard construction to U.S. standards. We estimate this decision caused an additional \$ 3.3 million or 40 percent increase in construction costs.

These figures are supported by the independent estimates provided by CAPMAS and were found to be comparable to local costs for Japanese, French, and U.S. Embassy construction.

At present, we do not anticipate further delays. The contract has been awarded for the first four GHCU's and construction activity will begin August 6, 1984. The contract for the second four GHCU's will be identical to the first and can be awarded as soon as this Amendment is approved for the additional funding. All land has been acquired and cleared. The the draft IFB for the CPSM has been prepared. Therefore, we believe most of the project's contracting, land acquisition, and design problems are in the past and the remaining construction activities will be completed according to the revised implementation plan presented on pages 8 to 10. For further details, see Annex - F of this amendment.

The Ministry has asked that A.I.D consider increasing the funding available to the Project so that the remaining 4 clinics can be built and the bidding process can continue for the CSPM.

C. Recommendation

1. It is recommended that this amendment be approved to provide \$8,300,000 to: build 4 additional General Urban Health Clinics (out of the 8 originally planned for the Project); to cover fully the current estimated cost for building the CSPM; and for the extension of A & E construction supervision services beyond the current January 1986 termination date to the estimated mid -1987 construction completion date. The \$8,300,000 also includes \$1,000,000 for contingencies. The previously authorized contingency has been reallocated among existing budget line items.

2. The additional funds will be allocated as follows:

<u>ITEM</u>	<u>Existing</u>	<u>Plus</u>	<u>New Level</u>
GUHC's	\$5,200,000	\$5,100,000	\$10,300,000
CSPM	5,800,000	1,200,000	7,000,000
A & E	<u>3,106,000</u>	<u>1,000,000</u>	<u>4,106,000</u>
Subtotal:	\$14,106,000	\$7,300,000	21,438,000
Contingencies	-0-	1,000,000	1,000,000
		<u>\$8,300,000</u>	

(Budget Tables 1, 2 and 3, which follow, give details of the overall budget.)

D. Project Assistance Completion Date

The PACD will be extended from January 30, 1986 to July 31, 1987 to allow for sufficient construction time.

E. Environmental Impact

The Project is designed to improve the health of people. The construction element will have a minor and temporary negative impact on the environment principally through the noise of the construction. No other environmental changes are expected to occur.

F. Other Issues

No new conditions precedent or covenants will be included in the Grant Agreement Amendment to be negotiated for these additional funds.

TABLE 1

SUMMARY COST ESTIMATE & FINANCIAL PLAN **
(\$000)

TITLE: URBAN HEALTH DELIVERY SYSTEMS
Project 263-0065
PP Amendment No. 3

<u>SOURCE</u>	<u>AID</u>			<u>GOE</u>	<u>COMBINED</u>		
	<u>FX</u>	<u>LC</u>	<u>TOTAL</u>	<u>LE</u>	<u>FX</u>	<u>LC</u>	<u>TOTAL</u>
<u>Use</u>							
Technical Assistance	3,430	1,715	5,145	2,703	3,430	4,418	7 848
Training	938	162	1,100	---	938	162	1,100
Commodities	4,534	1,000	5,534	---	4,534	1,000	5,534
Construction/ Renovation	13,313	7,125	20,438	---	13,313	7,125	20,438
A & E	3,183	1,255	4,438	---	3,183	1,255	4,438
Other Recurring Costs	25	2,174	2,199	8,809	25	10,983	11,008
Land	---	---	---	8,022	---	8,022	8,022
Buildings & Facilities	---	---	---	4,211	---	4,211	4,211
Alexandria	1,000	2,199	3,199	5,340	1,000	7,539	3,539
Innovative Activities	2,000	500	2,500	51,428	2,000	51,928	53,928
Subtotal	28,423	16,130	44,553	80,513	28,423	96,643	125,066
Contingency	<u>400</u>	<u>600</u>	<u>1,000</u>	<u>---</u>	<u>400</u>	<u>600</u>	<u>1,000</u>
Total	28,823	16,730	<u>45,553</u>	<u>80,513</u>	28,823	97,243	<u>126,066</u>

** In addition to new funds added under "Construction/Renovation", "A & E" and "Contingency" in this amendment the budget reflects the allocation throughout line items of the previously authorized "Contingency" of \$ 3.264 million

TABLE 2

AID OBLIGATIONS BY FISCAL YEAR
(\$000)
TITLE: URBAN HEALTH CARE DELIVERY SYSTEMS
Project 263-0065
PP Amendment No. 3

	FY '79			FY ' 80			FY ' 81			FY '84 **			All Years		
	FX	LC	TOTAL	FX	LC	TOTAL	FX	LC	TOTAL	FX	LC	TOTAL	FX	LC	TOTAL
Technical Assistance	1,629	677	2,306	1,753	320	2,003	---	---	---	38	718	756	3,430	1,715	5,145
Training	497	218	715	---	--	---	496	(-56)	440	(55)	---	(55)	938	162	1,100
Commodities	---	---	---	4,717	549	5,266	1,576	(-45)	1,531	(-1,759)	496	(-1,263)	4,534	1,000	5,534
Construction/ Renovation	---	---	---	8,328	2,191	10,519	1,285	1,043	2,328	3,700	3,891	7,591	13,313	125	20,438
A & E	493	224	717	698	531	1,229	---	---	---	1,992	500	2,492	3,183	1,255	4,438
Other Recurring Costs	23	1,192	1,215	---	---	---	---	---	---	2	982	984	25	2,174	2,199
Alexandria	---	---	---	---	---	---	1,015	2,125	3,140	(-15)	74	59	1,000	2,199	3,199
Innovative Activities	---	---	---	---	---	---	1,100	1,400	2,500	900	(-900)	---	2,000	500	2,500
Contingency	---	---	---	601	602	1,203	988	1,073	2,061	(-1,189)	(-1,075)	(-2,264)	400	600	1,000
<u>TOTAL AID</u>	<u>2,642</u>	<u>2,311</u>	<u>4,953</u>	<u>16,107</u>	<u>4,193</u>	<u>20,300</u>	<u>6,460</u>	<u>5,540</u>	<u>12,000</u>	<u>3,614</u>	<u>4,686</u>	<u>8,300</u>	<u>28,823</u>	<u>16,730</u>	<u>45,553</u>

** This reflects the allocation of the previously obligated contingency of \$3.264 million among the budget line items.

TABLE 3

Projection of Expenditures by Fiscal Year
 Urban Health Delivery Systems Project No. 263-0065
 PP Amendment No. 3

	<u>PRIOR YEARS</u>			<u>FY 84</u>			<u>FY 85</u>			<u>FY 86</u>			<u>FY 87</u>			<u>TOTAL</u>		
	<u>FX</u>	<u>LC</u>	<u>TOTAL</u>	<u>FX</u>	<u>LC</u>	<u>TOTAL</u>	<u>FX</u>	<u>LC</u>	<u>TOTAL</u>	<u>FX</u>	<u>LC</u>	<u>TOTAL</u>	<u>FX</u>	<u>LC</u>	<u>TOTAL</u>	<u>FX</u>	<u>LC</u>	<u>TOTAL</u>
<u>AID INPUTS</u>																		
Technical Assistance	1,655	1,007	2,662	507	285	792	720	219	939	500	154	654	48	50	98	3,430	1,715	5,145
Training	334	98	432	30	4	34	342	36	378	217	20	237	15	4	19	938	162	1,100
Commodities	133	---	133	510	400	910	490	600	1,090	2,100	---	2,100	1,301	---	1,301	4,534	1,000	5,534
Construction/Renovation	---	1,936	1,936	---	1,464	1,464	6,450	2,275	8,725	5,463	1,150	6,613	1,400	300	1,700	13,313	7,125	20,438
A & E	938	445	1,383	562	277	839	720	243	963	687	193	880	276	97	373	3,183	1,255	4,438
Other Recurring Costs	25	684	709	---	675	675	---	582	582	---	208	208	---	25	25	25	2,174	2,199
Alexandria	48	45	93	25	179	204	905	1,753	2,658	22	217	239	---	5	5	1,000	2,199	3,199
Innovative Activities	---	---	---	350	75	425	1,325	225	1,550	325	200	525	---	---	---	2,000	500	2,500
Contingency	---	---	---	---	---	---	---	---	---	300	400	700	100	200	300	400	600	1,000
<u>TOTAL AID:</u>	<u>3,133</u>	<u>4,215</u>	<u>7,348</u>	<u>1,984</u>	<u>3,359</u>	<u>5,343</u>	<u>10,952</u>	<u>5,933</u>	<u>16,885</u>	<u>9,614</u>	<u>2,542</u>	<u>12,156</u>	<u>3,140</u>	<u>685</u>	<u>3,821</u>	<u>28,823</u>	<u>16,730</u>	<u>45,553</u>
<u>GOE INPUTS</u>																		
Technical Assistance	---	1,325	1,325	---	485	485	---	427	427	---	385	385	---	81	81	---	2,703	2,703
Recurring Costs	---	4,724	4,724	---	1,285	1,285	---	1,368	1,368	---	1,328	1,328	---	104	104	---	8,809	8,809
Land	---	8,022	8,022	---	---	---	---	---	---	---	---	---	---	---	---	---	8,022	8,022
Bldgs and Facilities	---	4,211	4,211	---	---	---	---	---	---	---	---	---	---	---	---	---	4,211	4,211
Alexandria	---	1,253	1,253	---	2,188	2,188	---	759	759	---	740	740	---	400	400	---	5,340	5,340
Innovative Activities	---	3,458	3,458	---	8,256	8,256	---	19,877	19,877	---	14,323	14,323	---	5,514	5,514	---	51,428	51,428
<u>TOTAL GOE:</u>	<u>---</u>	<u>22,993</u>	<u>22,993</u>	<u>---</u>	<u>12,214</u>	<u>12,214</u>	<u>---</u>	<u>22,431</u>	<u>22,431</u>	<u>---</u>	<u>16,776</u>	<u>16,776</u>	<u>---</u>	<u>6,099</u>	<u>6,099</u>	<u>---</u>	<u>80,513</u>	<u>80,513</u>
<u>TOTAL PROJECT:</u>	<u>3,133</u>	<u>27,208</u>	<u>30,341</u>	<u>1,984</u>	<u>15,573</u>	<u>17,557</u>	<u>10,952</u>	<u>28,364</u>	<u>39,316</u>	<u>9,614</u>	<u>19,318</u>	<u>28,932</u>	<u>3,140</u>	<u>6,784</u>	<u>9,920</u>	<u>28,823</u>	<u>97,243</u>	<u>126,066</u>

- 8 -
IMPLEMENTATION AND PROGRESS
SCHEDULE

ANNEX A

Project Number 263 - 0065

Date June 10, 1984

Project Title URBAN HEALTH DELIVERY

Project Officer J. WILES

page 1 of 3

Revision No. 4

EVENT	TARGET DATE		DATE COMPLETED	REMARKS
	ORIGINAL	REVISED		
(A) <u>SERVICE IMPROVEMENTS:</u>				
<u>CAIRO</u>				
1) Prepare 6 month Project Implementation Plan	3/83		3/83	Coordinated by WHS TA contractor.
2) Organize & begin use of Human Resource Committee to plan & organize training in the project area.	3/83		3/83	Committee will meet monthly: members include Project, Governorate, Zonal Staff & WHS TA Advisors.
3) Conduct Evaluation of CSPM Program.	4/83		4/83	Report prepared & recommendations accepted by GOE.
4) Finalize out-of-country training requirements for 83 - 84.	8/83		8/83	Project taking a hard look at participant training; therefore, may be minimal for 83.
5) Contract with an Egyptian firm to provide evaluation studies and training in the project area.	9/83	6/84	6/84	Contract signed 6/84 with SINAI Consultation Group for 18 month period.
6) Implement interventions in four MCH Clinics.	9/83	4/84	5/84	Will be phased-in over period of 6 months per schedule developed by project staff.
7) Implement interventions in the Pilot GUHC (Tora)	10/83	6/84	6/84	Renovations completed 12/83.
8) Begin Program to provide training in the project area for undergraduates (e.g. Medical, Dental, Nursing, Social Work).	10/83		7/83	Will be annual, 2-3 months in duration: 40-50 students each session.
9) Obtain the services of US Specialist in primary health care.	10/83		8/83	Full-time position to be hired under WHS TA Contract.
0) Prepare 6 month Project Implementation Plan	10/83		9/83	Continuation of first Plan

9
IMPLEMENTATION AND PROGRESS
SCHEDULE

PAGE 2 of 3

Project Number 263-0065

Date June 10, 1984

Project Title URBAN HEALTH DELIVERY

Project Officer J. WILES

EVENT	TARGET DATE		DATE COMPLETED	REMARKS
	ORIGINAL	REVISED		
11) Prepare final report on integration of CSPM curriculum	12/83	10/84		Consultant scope of work being prepared.
12) Designate a renovated MCH Clinic in which CSPM staff can participate in service improvement efforts.	1/84		7/83	Masr El Kedema selected
13) Evaluate service improvement interventions.	4/84	12/84		Revise, delete, add as indicated. Will be part of 5) on page 1.
14) Prepare final Project Implementations Plan.	4/84	4/85		To PACD (1/86). Jointly decided to have interim thru 3/85 - completed.
15) Begin OJT in upgraded MCHC's for postgraduates	7/84	9/84		CSPM coordinated activity. To use MASR EL KADIMA.
16) Implement interventions in remaining MCH clinics.	9/84	12/84		
<u>ALEXANDRIA</u>				
1) Revise detailed work plan for the MCH subactivity for the next 6 months.	6/83		7/83	With assistance of TA advisor. Time to be covered in future plans will be determined by 1/84.
2) Begin contract work for developing a management information system at the Health Insurance Organization.	2/84	8/84		Proposals received 5/84. Contract should be signed by 7/84.
<u>(B) CONSTRUCTION /RENOVATIONS:</u>				
1) Complete renovation in 17 MCHC's in Cairo.	9/83	12/84		5 MCHC's to be deleted from contract until work can progress unhindered. Total increased to 18.15 completed as of 6/84.
2) Begin construction of 8 GUEC's in Cairo.	10/83	9/84		Bids received 3/84. 100% over budget. Start with 4.
3) Hire construction coordinator.	10/83	12/83	12/83	To use DMJM/KIDDE contract.
4) Begin construction of CSPM in Cairo	3/84	1/85		Prequalifications began 7/83; completed 9/83. IFD's in process.

203-0065

IMPLEMENTATION AND PROGRESS

Project Number 203-0065 SCHEDULE

Date June 10, 1984

Project Title URBAN HEALTH DELIVERY

Project Officer J. WILES.

EVENT	TARGET DATE		DATE COMPLETED	REMARKS
	ORIGINAL	REVISED		
5) Begin renovation work in 11 MCHC's in Alexandria	4/84	10/84		A & E design work started 8/83. Prequalifications completed 6/84. IFR's in draft.
6) Complete GUHC's	6/85	1/86 6/86		Two contracts of 4 each \$ needed for 2nd 4.
7) Complete Alexandria renovation work.	7/85			
8) Complete CSPM	1/86	3/87		Design delay.
<u>(C) EQUIPMENT:</u>				
<u>CAIRO</u>				
1) Complete equipping of MCHC's (17)	12/83	10/84		Increased to 18.
2) Complete ordering of equipment for GUHC's (8)	12/84	10/85		Delay to match building schedule.
3) Complete ordering of equipment for CSPM	12/85	7/86		as above
<u>ALEXANDRIA</u>				
1) Equip renovated MCHC -	8/85			
2) Install computer hardware at H10	2/85			

ARAB REPUBLIC OF EGYPT
MINISTRY OF HEALTH

000443

جمهورية مصر العربية
وزارة الصحة
مكتب الوزير

MINISTER'S OFFICE

Date . . . 14th June, 1984.

التاريخ: _____
الرقم: 4343/2

Mr. Michael P.W. Stone,
Director,
US AID Mission to Egypt,
American Embassy,
No.5 Latin America Street
Garden City,
Cairo - A.R.E.

DIP		3/15
TO: HRD	HRD	
ATTENTION TAKEN	DATE	7/5
MAN: _____	INITIALS	_____



Dear Mr. Stone,

This is to request your consideration of an increase in the budget for the construction of the new facilities planned under the Urban Health Delivery System, Project (No. 203-0055).

A variety of factors, including delays in planning and design, coupled with inflation, resulted in the bids for the construction of the eight new General Urban Health Centres being submitted in March of this year at twice the budgeted amount. On the basis of this experience, we expect that the cost of the centre for Social and Preventive Medicine will also substantially exceed the budget.

It is my understanding that the additional amounts required are under study by US AID and the project staff. Your understanding of this need, and your support in providing the required funds, will be greatly appreciated. It will enable us to continue, without further delay, what this Ministry considers to be a highly important undertaking with long-term and far-reaching impact.

Thank you for your consideration.

Yours sincerely,

(Mr. M.S. ZAKY),
State Minister for Health
Cairo - Egypt.

6/24/84
SSK

Recommendation to purchase Egyptian Pounds with U.S. Dollars:

It is not intended at this time that additional Egyptian pounds be purchased with U.S. Dollars. The currently approved level of \$18,423,000 will be sufficient to meet the needs of the project.

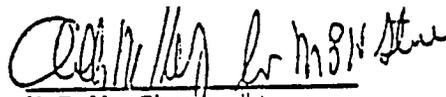
A 612(b) determination was made by the Acting Administrator for this project at the time of authorization, and the determination was repeated by the Administrator at the time of the First Amendment to the Project Authorization. The determination is still valid for the project under the proposed amendment.

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CERTIFICATION PURSUANT TO SECTION 611(e)
of the FAA of 1961 as Amended

I, M.P.W. Stone, Director, the Principal Officer of the Agency for International Development in Egypt, having taken into account, among other things, the maintenance and utilization of projects in Egypt previously financed or assisted by the United States, do hereby certify that, in my judgement, Egypt has both the financial capability and the human resources to effectively install, maintain and utilize the capital assistance to be provided for the construction of 8 General Urban Health Clinics and a Center for Social and Preventive Medicine in Cairo.

This judgement is based upon general considerations discussed in the project assistance paper as amended to which this certification is to be attached.


M.P.W. Stone
Date: 8/21/84

0259A

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5C(2) PROJECT CHECKLIST

Listed below are statutory criteria applicable to projects. This section is divided into two parts. Part A. includes criteria applicable to all projects. Part B. applies to projects funded from specific sources only: B.1. applies to all projects funded with Development Assistance Funds, B.2. applies to projects funded with Development Assistance loans, and B.3. applies to projects funded from ESP.

CROSS REFERENCES: IS COUNTRY CHECKLIST UP TO DATE? HAS STANDARD ITEM CHECKLIST BEEN REVIEWED FOR THIS PROJECT? YES

A. GENERAL CRITERIA FOR PROJECT

1. FY 1982 Appropriation Act Sec. 523; FAA Sec. 634A; Sec. 653(D).

(a) Describe how authorizing and appropriations committees of Senate and House have been or will be notified concerning the project;

(b) is assistance within (Operational Year Budget) country or international organization allocation reported to Congress (or not more than \$1 million over that amount)?

Congressional notification is required

2. FAA Sec. 611(a)(1). Prior to obligation in excess of \$100,00, will there be

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(a) engineering, financial or other plans necessary to carry out the assistance and (b) a reasonably firm estimate of the cost to the U.S. of the assistance?

- a. YES
- b. Yes

3. FAA Sec. 611(a)(2). If further legislative action is required within recipient country, what is basis for reasonable expectation that such action will be completed in time to permit orderly accomplishment of purpose of the assistance?

No further legislative action is required other than ratifying the signed Project Grant Agreement Amendment.

4. FAA Sec. 611(b); FY 1982 Appropriation Act Sec. 501. If for water or water-related land resource construction, has project met the standards and criteria as set forth in the Principles and Standards for Planning Water and Related Land Resources, dated October 25, 1973? (See AID Handbook 3 for new guidelines.)

N/A

5. FAA Sec. 611(e). If project is capital assistance (e.g., construction), and all U.S. assistance for it will exceed \$1 million, has Mission Director certified and Regional Assistant Administrator taken into consideration the country's capability effectively to maintain and utilize the project?

Yes

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6. FAA Sec. 209. Is project susceptible to execution as part of regional or multilateral project? If so, why is project not so executed? Information and conclusion whether assistance will encourage regional development programs.

NO

7. FAA Sec. 601(a). Information and conclusions whether project will encourage efforts of the country to: (a) increase the flow of international trade; (b) foster private initiative and competition; and (c) encourage development and use of cooperatives, and credit unions, and savings and loan associations; (d) discourage monopolistic practices; (e) improve technical efficiency of industry, agriculture and commerce; and (f) strengthen free labor unions.

This is not a production project and will therefore not affect trade production, labor, etc., except through improved health services and a healthier population.

8. FAA Sec. 601(b). Information and conclusions on how project will encourage U.S. private trade and investment abroad and encourage private U.S. participation in foreign assistance programs (including use of private trade channels and the services of U.S. private enterprise).

U.S. private enterprise will be a source for goods and services required for the project.

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- 9. FAA Sec. 612(b), 636(h);
FY 1982 Appropriation
Act Sec. 507. Describe
steps taken to assure
that, to the maximum
extent possible, the
country is contributing
local currencies to meet
the cost of contractual
and other services, and
foreign currencies owned
by the U.S. are utilized
in lieu of dollars.

- 10. FAA Sec. 612(d). Does
the U.S. own excess
foreign currency of the
country and, if so, what
arrangements have been
made for its release?

- 11. FAA Sec. 601(e). Will
the project utilize
competitive selection
procedures for the
awarding of contracts,
except where applicable
procurement rules allow
otherwise?

- 12. FY 1982 Appropriation Act
Sec. 521. If assistance
is for the production of
any commodity for export,
is the commodity likely
to be in surplus on world
markets at the time the
resulting productive
capacity becomes
operative, and is such
assistance likely to
cause substantial injury
to U.S. producers of the
same, similar or
competing commodity?

- 13. FAA 118(c) and (d).
Does the project comply
with the environmental
procedures set forth in
AID Regulation 16? Does

The Grant Agreement will
so provide. A 612(b)
determination has been made
for the project, and no
U.S. owned local currencies
are available.

OMB has determined that
Egypt is a near-excess
foreign currency country
for FY 1984 (OMB Bulletin
84-2 dated 26 Oct. 1983).
A Section 612(b) determination
was made by the Acting
Administrator at the time
of project Authorization.

Yes

N/A

Yes

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the project or program take into consideration the problem of the destruction of tropical forests?

N/A

14. FAA 121(d). If a Sabel project, has a determination been made that the host government has an adequate system for accounting for and controlling receipt and expenditure of project funds (dollars or local currency generated therefrom)?

N/A

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3. Economic Support Fund
Project Criteria

- a. FAA Sec. 531(a). Will this assistance promote economic or political

The project will promote both economic & political stability by providing education & training

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stability? To the extent possible, does it reflect the policy directions of FAA Section 102?

to MD's & other health workers. Activities are concentrated on meeting basic health needs of the poor.

b. FAA Sec. 531(c). Will assistance under this chapter be used for military, or paramilitary activities?

NO

c. FAA Sec. 534. Will ESP funds be used to finance the construction of the operation or maintenance of, or the supplying of fuel for, a nuclear facility? If so, has the President certified that such use of funds is indispensable to nonproliferation objectives?

NO

d. FAA Sec. 609. If commodities are to be granted so that sale proceeds will accrue to the recipient country, have Special Account (counterpart) arrangements been made?

N/A

5C(3) - STANDARD ITEM CHECKLIST

Listed below are the statutory items which normally will be covered routinely in those provisions of an assistance agreement dealing with its implementation, or covered in the agreement by imposing limits on certain uses of funds.

These items are arranged under the general headings of (A) Procurement, (B) Construction, and (C) Other Restrictions.

A. Procurement

1. FAA Sec. 602. Are there arrangements to permit U.S. small business to participate equitably in the furnishing of commodities and services financed? Yes

2. FAA Sec. 604(a). Will all procurement be from the U.S. except as otherwise determined by the President or under delegation from him? Yes

3. FAA Sec. 604(d). If the cooperating country discriminates against marine insurance companies authorized to do business in the U.S., will commodities be insured in the United States against marine risk with such a company? Yes

4. FAA Sec. 604(e); ISDCA of 1980 Sec. 705(a). If offshore procurement of agricultural commodity or product is to be N/A

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financed, is there provision against such procurement when the domestic price of such commodity is less than parity? (Exception where commodity financed could not reasonably be procured in U.S.)

5. FAA Sec. 604(a). Will construction or engineering services be procured from firms of countries otherwise eligible under Code 941, but which have attained a competitive capability in international markets in one or these areas? NO

6. FAA Sec. 603. Is the shipping excluded from compliance with requirement in section 901(b) of the Merchant Marine Act of 1936, as amended, that at least 50 per centum of the gross tonnage of commodities (computed separately for dry bulk carriers, dry cargo liners, and tankers) financed shall be transported on privately owned U.S. flag commercial vessels to the extent that such vessels are available at fair and reasonable rates? NO

7. FAA Sec. 621. If technical assistance is financed, will such assistance be furnished by private enterprise on a contract basis to the fullest extent practicable? If the facilities of other Yes

Federal agencies will be utilized, are they particularly suitable, not competitive with private enterprise, and made available without undue interference with domestic programs? N/A

8. International Air Transport. Fair Competitive Practices Act, 1974. If air transportation of persons or property is financed on grant basis, will U.S. carriers be used to the extent such service is available? Yes

9. FY 1982 Appropriation Act Sec. 504. If the U.S. Government is a party to a contract for procurement, does the contract contain a provision authorizing termination of such contract for the convenience of the United States? Yes

3. Construction

1. FAA Sec. 601(d). If capital (e.g., construction) project, will U.S. engineering and professional services to be used? Yes

2. FAA Sec. 611(c). If contracts for construction are to be financed, will they be let on a competitive basis to maximum extent practicable? Yes

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3. FAA Sec. 620(k). If for construction of productive enterprise, will aggregate value of assistance to be furnished by the U.S. not exceed \$100 million (except for productive enterprises in Egypt that were described in the CP)?
- N/A

C. Other Restrictions

1. FAA Sec. 122(b). If development loan, is interest rate at least 2% per annum during grace period and at least 3% per annum thereafter?
- N/A

2. FAA Sec. 301(d). If fund is established solely by U.S. contributions and administered by an international organization, does Comptroller General have audit rights?
- N/A

3. FAA Sec. 620(h). Do arrangements exist to insure that United States foreign aid is not used in a manner which, contrary to the best interests of the United States, promotes or assists the foreign aid projects or activities of the Communist-bloc countries?
- Yes

4. Will arrangements preclude use of financing:

- a. FAA Sec. 104(f); FY 1982 Appropriation Act Sec. 525: (1) To pay for performance of abortions as a method of family
- Yes

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- planning or to motivate or coerce persons to practice abortions; (2) to pay for performance of involuntary sterilization as method of family planning, or to coerce or provide financial incentive to any person to undergo sterilization; (3) to pay for any biomedical research which relates, in whole or part, to methods or the performance of abortions or involuntary sterilizations as a means of family planning; (4) to lobby for abortion? Yes

- b. FAA Sec. 620(g). To compensate owners for expropriated nationalized property? Yes

- c. FAA Sec. 660. To provide training or advice or provide any financial support for police, prisons, or other law enforcement forces, except for narcotics programs? Yes

- d. FAA Sec. 662. For CIA activities? Yes

- e. FAA Sec. 636(i). For purchase, sale, long-term lease, exchange or guaranty of the sale of motor vehicles manufactured outside U.S., unless a waiver is obtained? Yes

- f. FY 1982 Appropriation Act, Sec. 503. To pay pensions, annuities, retirement pay, or Yes

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adjusted service
compensation for military
personnel?

g. FY 1982 Appropriation
Act, Sec. 505. To pay
U.N. assessments,
arrearages or dues? Yes

b. FY 1982 Appropriation
Act, Sec. 506. To carry
out provisions of FAA
section 209(d) (Transfer
of FAA funds to
multilateral
organizations for
lending)? Yes

i. FY 1982 Appropriation
Act, Sec. 510. To
finance the export of
nuclear equipment, fuel,
or technology or to train
foreign nationals in
nuclear fields? Yes

j. FY 1982 Appropriation
Act, Sec. 511. Will
assistance be provided
for the purpose of aiding
the efforts of the
government of such
country to repress the
legitimate rights of the
population of such
country contrary to the
Universal Declaration of
Human Rights? NO

k. FY 1982 Appropriation
Act, Sec. 515. To be
used for publicity or
propaganda purposes
within U.S. not
authorized by Congress? Yes

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Detailed Explanation of Revised Cost Estimates:

Since the original project paper was written in 1978, this project has experienced cost increases in the construction elements. Specifically, in amendment number three we now estimate LOP cost increases of 120 percent to construct the eight General Urban Health Clinics (GHCUs) and the Center for Social and Preventive Medicine (CSPM). The details of these increases are presented below:

Add-Ons for New Construction (\$)

	<u>Original PP</u> (10/78)	<u>Amend # 1</u> (10/79)	<u>Amend # 2</u> (6/81)	<u>Amend # 3</u> (8/84)
GHCUs				
Additional		No new	549,500	5,100,000
Total	4,650,500	funds	5,200,000	10,300,000
CSPM				
Additional		No new	2,582,500	1,200,000
Total	3,217,500	funds	5,800,000	7,000,000

As described in the amendments, the two principle reasons for these increase are delays and the change from Egyptian standard construction to U.S. standards. The most significant delays were of the following nature:

- 1) Underestimation in the original project paper of the time that would be needed to compete and negotiate both the Egyptian and U.S. architectural and engineering contracts (17 months delay).
- 2) Underestimation of the time required for the GOE acquisition of and gaining access to suitable land (12 up to 72 months in one case)
- 3) As a result of 2 above, the initial designs had to be reworked because the cost estimate exceeded the budget and the designs were too large for some sites (7 months).
- 4) Unanticipated and extended absence of U.S. architect from Egypt for medical reasons, his eventual resignation and the time needed to replace him (8 months).

These delays are for the most part not overlapping but additive. Therefore, the delay from the originally estimated date for the issuance of the IFB for the GHCU's (3/80) to its actual date of issuance (11/83) - a delay of 31 months - becomes more understandable.

Although an inflation factor was built into the original cost estimates, delays of two, and in some cases, to four years caused considerable increases in the cost attributable to inflation. At the modest annual inflation rate of 15 percent from the midpoint of the original construction completion to the midpoint of the revised construction completion, inflation alone added at least \$ 6.1 million to the cost of construction. According to the information we have (see Annex F1), the actual rise in construction costs may have been as high as 22 percent during some of the period.

Cost Increases Due to Inflation (\$ million)

	<u>Original</u>	<u>'81</u>	<u>'82</u>	<u>'83</u>	<u>'84</u>	<u>'85</u>	<u>Difference from Original</u>
GHCU's	4.65	5.02	5.78	6.64	7.64	8.25	3.60
CSPM	3.22	3.47	4.00	4.60	5.28	5.71	2.49

The cost of construction was also increased by the decision to change from Egyptian standard construction (as originally contemplated in the project paper) to U.S. standard. This decision was made to increase the visibility of U.S. foreign assistance to Egypt, to increase utilization of the facilities by making them more attractive and modern, to open competition to U.S. firms, and to improve the buildings' safety and durability. The Egyptian architectural and engineering sub-contractor on the project analyzed the cost increases in one clinic. The report is attached (Annex F2). According to this report, many items were added to the final cost estimate or were upgraded. This resulted from the decision to build facilities at U.S. standards. For this clinic, at least 61 percent of the additional cost can be attributed to inflation and the remainder (39 percent) can be attributed to the upgrading to U.S. standards. As stated previously, we believe the increased costs due to inflation should actually be higher.

Extrapolating from these figures, we estimate that the increased costs due to additional inflation expense was approximately 60 percent and those due to the change from Egyptian to U.S. standards 40 percent. These figures are supported by the CAPMAS estimates presented in Annex F3. In addition, the current construction estimates were compared to local costs under Japanese, French, and U.S. Embassy construction projects. These figures received are comparable to our current estimates, which further confirms their validity.

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memorandum

Annex F-1

DATE: November 9, 1983

REPLY TO
ATTN OF: A. Hussein, DPPE/PAAD

SUBJECT: Price Indices Relevant to Construction

TO: Mr. Piad Mounir Imam, IDPS, Engineering

This is an answer to your question to the Program Office concerning Price Increases in Egypt from December 1981 to December 1983:

A. December 1981 to December 1982:

- 1. Consumer price index: all items 14.0%
- 2. Wholesale price index: construction materials 19.0%

B. December 1982 to June 1983

- 1. Consumer price index: all items 22.0% (6 month period)
- 2. Wholesale price index: construction materials NA (but expected to be not less than 22% also)

All these figures are obtained from the data given by the Control Agency for Population Motivation and Statistics (CAPMAS) reports on Consumer and wholesale price indices.

32'

M15r
Annex F2

SUMMARY FOR THE COMPARISON LIST

A comparison between the preliminary and the final cost estimate is displayed for site No.1; Galaa Street.

This comparison does not include pricing for the maintenance shop as it is not included in all sites.

Cost Estimate:

Preliminary	L.E. 536 424
Final	L.E. 947 230

Main differences appeared in the following items:

Acoustic tiles	= @ 42000
Glazing	= @ 50000 (Originally not included in prelim.cost est.)
Metal Works	= @ 78000
Electircal Works	= @ 76000
<hr/>	
T O T A L	= @250000

The rest which is estimated to be around 160000 L.E. is distributed among the other items.

G.U.H.C'S Project
Preliminary Versus Final Cost Estimate
Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	L.E.
0.	<u>SITE WORK</u> Site development Decennial Insurance Removal of buildings Roads and Highways Shrubs and Trees Gate house Incinerator Trash Container	L.S	19700	19700				
					L.S.	42100	42100	
	Subtotal [Item 0]			19700			42100	22400
1.	<u>EARTH WORK & FOUNDATIONS</u> Excavation. Back-filling. Plain Concrete. Grade Slab	L.S	16440	18900	570 m ³ 370 m ³ 60 m ³ 210 m ³	4.00 3.00 56.00 165.00	2280 1110 3360 34650	
			x 1.15 80 x 1.15	7176				
	Subtotal [Item 1]			26076			41400	15324

G.U.H.C'S Project
Preliminary Versus Final Cost Estimate
Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF.
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	L.E.
2.	<u>CONCRETE & R. CONCRETE</u> Elevated Slab - 16 cm. in thickness.	72 m ³	50 x 1.15	4140	950 m ² x 0.16	35 x $\frac{1}{0.16}$	33250	
	Subtotal [Item 2]			4140			33250	29110
3.	<u>MASONRY WORKS.</u> Stairs and Elevators	66 m ³	50 x 1.15	3795				
	Masonry wall 12 cm. thick				285 m ² x 0.12	8.00 x $\frac{1}{0.12}$	2280	
	Masonry wall 20 cm. thick				50 m ³	45.00	2250	
	Subtotal [Item 3]			3795			4530	735
4.	<u>DAMP PROOFING & WATER PROOFING.</u> BUILT up Recf with glazing	175 m ²	40 x 1.15	8050	185 m ²	6.00	1110	
	Water proofing for kitchens	650 m ²	5 x 1.15	3737	100 m ²	4.00	400	
	Subtotal [Item 4]			11787			1510	-10277

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G.U.H.C'S Project Preliminary Versus Final Cost Estimate Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF. L.E.
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	
5-	<u>DRY WALL PARTITIONS.</u> Leight weight partitions	1050 m ²	35x1.15	42262	1020 m ²	30.00	30600	
	Subtotal [Item 5]			42262			30600	
6-	<u>PLASTERING WORKS.</u> Lath and plaster	450 m ²	5x1.15	2587				
	All cement plaster work				800 m ²	4.50	3600	
	All false ceiling system				250 m ²	18.00	4500	
	Subtotal [Item 6]			2587			8100	5513

G.U.H.C'S Project Preliminary Versus Final Cost Estimate Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF. L.E.
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	
7.	<u>FLOOR COVERINGS.</u>							
	Ceramic tile Wort	380 m ²	22x1.15	9614	145 m ²	25.00	3625	
	Quarry tile.	170 m ²	12x1.15	2346	500 m ²	20.00	10000	
	Resilient Flooring.	800 m ²	8x1.15	7360	-	-	-	
	Vinyl floor tile.				465 m ²	11.00	5115	
	all marble landing] 44 m ²	80x1.15	4048	20 m ²	65.00	1300	
	all marble stair treads				90 L.M.	50.00	4500	
	all carpet work				145 m ²	20.00	2900	
	Rubber skirting.				65 L.M.	3.00	195	
	Hardwood skirting				50 L.M.	2.00	100	
	Marble skirting.				75 L.M.	6.00	450	
	Subtotal [Item 7]				23368		28185	4817
8.	<u>PAINTING & WALL COVERINGS</u>							
	Resilient Base.	1100 L.M.	3x1.15	3795				
	3. Coat oil base paint.				1620 m ²	4.00	6480	
	Interior painting.	3000 m ²	5x1.15	17250				
	Vinyl wall fabric.				1000 m ²	13.00	13000	
	Ceramic wall tile				365 m ²	20.00	7300	
Subtotal [Item 8]				21045		26780	5735	

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G.U.H.C'S Project
Preliminary Versus Final Cost Estimate
Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF.
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	L.E.
9-	<u>ACOUSTIC TILES</u>							
	Rough carpentry suspended ceiling system	L.S.	5000 x 1.15	5750	810 m ²	15.00	12150	
	All acoustic tiles				810 m ²	45.00	36450	
	Subtotal [Item 9]			5750			48600	42850
10-	<u>ALUMINIUM WINDOWS, DOORS</u>							
	Metal doors and frames	75 (frame)	60 x 1.15	5175	1 (each)	60.00	60	
	Wood doors	75 (Door)	40 x 1.15	3450				
	Metal frames, wood doors				26 (each)	130	3380	
	Type A				52 (each)	150	7800	
	Type A				2 (each)	165	330	
	Type B				2 (each)	230	460	
	Type E				2 (each)	110	220	
	Type D				1 (each)	230	230	
	Entrance door	1	1000 x 1.15	1150	"			
	Service Entrance	2	500 x 1.15	1150				
	Aluminium interior windows	420 m ²	100 x 1.15	48300				
	Type A				3 (each)	25.00	75	
Type B				7 (each)	35.00	245		
Type C				2 (each)	40.00	80		

G.U.H.C'S Project
Preliminary Versus Final Cost Estimate
Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF.
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	L.E.
10.	<u>ALUMINIUM WINDOWS, DOORS</u> Aluminium interior window							
	Type D				3 (each)	50.00	150	
	Type E				2 (each)	80.00	160	
	Subtotal [Item 10]			59225			23190	-36035
11.	<u>GLAZING</u> Glass in exterior window				415 m ²	120.00	49800	
	Glass in interior window				7 m ²	25.00	175	
	Subtotal [Item 11]						49975	49975

G.U.H.C'S Project
Preliminary Versus Final Cost Estimate
Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF. L.E.
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	
12.	<u>METAL WORKS</u>							
	Structural Metals	90 Tons	1000x1.15	103500				
	Columns, structural sections				5.60 m.T.	1200	6720	
	Beams, rolled structures				15.5 m.T.	1200	18600	
	Columns, rolled box sections				30.0 m.T.	1200	36000	
	Beams, rolled struc. sections				17.5 m.T.	1200	21000	
	Beams, rolled struc. sections				3.5 m.T.	1200	4200	
	Bracing single multi-angled				4.4 m.T.	1200	5280	
	Stair Framing Ladders				0.80 m.T.	1200	960	
	Metal Decking	1180 m ²	35x1.15	47495	950 m ²	70.00	66500	
	Sandwich panels (exterior)	480 m ²	50x1.15	27600	78 (each)	500	39000	
	Aluminium exterior window				66 (each)	700	46200	
	Anodized Aluminium handrails				35 L.H.	46.00	1610	
	Anodized Aluminium grille				1 (each)	600	600	
	Sign.				L.S.	1000	1000	
	Test specimens, performance tests				L.S.	9000	9000	
	Subtotal [Item 12]				178595		256670	78075

G.U.H.C'S Project
Preliminary Versus Final Cost Estimate
Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF. L.E.
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	
13.	<u>SANITARY WORKS</u> Sanitary fixtures Soil waste, storm water... Cold & Hot water supply Fire fighting system Toilet stalls & Accessories Plumbing				AS DETAILED IN B.O.G.			
		L.S.	3500 x 1.15	4025				
		L.S.	2500 x 1.15	28750				39833
	Subtotal [Item 13]			32775			39833	7058
14.	<u>LOW VOLTAGE SYSTEM</u> Circuits for lighting. Socket Circuits. Outlets, Switches. Lighting Fixtures, Incl. Luminaires Panel Boards, Feeders Fire Alarm, Telephone Systems electrical (service & distribution)				AS DETAILED IN B.O.G.			
		L.S.	2700 x 1.15	31050				
								107560
	Subtotal [Item 14]			31050			107560	76510

G.U.H.C'S Project Preliminary Versus Final Cost Estimate Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF. L.E.
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	
15.	<u>VERTICAL TRANSPORTATION</u> Hydraulic Elevator	1 (each)	30000	30000	1 (each)	50000	50000	
	Subtotal [Item 15]			30000			50000	
16.	<u>MECHANICAL</u> H. V. A. C.	L.S.	10000 x 115	11500				
	Air Conditioning window type				27	1200	32400	
	Air Conditioning Split type				2	2000	4000	
	Center, supply fan				2	1500	3000	
	Network of ducts & outlets				L.S.	3000	3000	
	Subtotal [Item 16]			11500			42400	30900
	Subtotal [Previous Items]			503661			834683	331022

G.U.H.C'S Project
Preliminary Versus Final Cost Estimate
Comparison List

NO.	DESCRIPTION	PRELIMINARY COST			FINAL COST EST.			DIFF.
		QUANT.	UNIT RATE	TOTAL	QUANT.	UNIT RATE	TOTAL	L.E.
	<u>SPECIALITIES</u>							
	Identifying devices	L.S.	1500 x 1.15	1725	-	-	-	
	Special door in Corridor	7	300 x 1.15	345	-	-	-	
	Subtotal			2070			-	-2070
	<u>SPECIAL CONSTRUCTION</u>							
	Radiation & R.F. shielding	48m ²	40 x 1.15	2208	-	-	-	
	Subtotal			2208	-	-	-	-2208
	Subtotal [previous items]			507939				403642
	Contingency			23985			35649	11664
	TOTALS (L.E.)			531924			947230	
	TOTAL DIFFERENCE (L.E.)							415306
					<u>Enq. Shakira Hossain</u>			

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Wholesale Price Index
(1965/66 = 100)

End of Period	1974	1975	1976	1977	1978	1979	1980	1980/81	1981/82	1982/83
Agricultural crops (27.0) 1/	172.3	178.7	205.0	240.6	257.9	292.7	344.8	366.5	395.5	537.5
Foodstuffs and beverages (19.9)	168.9	190.0	213.2	236.1	247.4	299.7	335.0	357.0	394.6	499.6
Tobacco and tobacco products (7.1)	122.6	122.7	122.7	122.9	123.0	134.3	138.4	138.4	138.4	138.4
Yarn, textiles, etc. (20.5)	122.3	122.4	125.3	128.1	175.0	184.1	231.3	236.6	247.0	255.2
Petroleum and fuels (7.4)	138.3	148.7	157.8	159.5	170.8	192.1	233.9	239.4	246.2	271.8
Paper (1.2)	250.4	258.7	257.2	241.0	248.1	317.0	390.0	423.8	423.8	443.7
Wood (1.2)	255.9	255.9	358.6	370.7	238.1	365.7	482.2	478.1	483.7	483.7
Construction materials (2.6)	151.7	179.2	188.6	212.1	261.4	390.2	412.9	469.4	552.6	573.9
Medicines (1.6)	107.9	110.2	110.2	158.3	158.3	158.3	182.4	183.2	186.4	211.8
Chemical products (2.8)	118.5	125.3	130.8	130.8	134.7	162.1	185.7	191.0	224.0	232.7
Heat and metal products (1.0)	165.8	178.1	190.7	213.8	237.5	251.0	293.6	333.2	348.8	363.4
Transportation equipment (1.0)	173.9	173.9	173.9	195.8	232.9	264.8	287.7	287.8	311.6	356.8
All items (100.0)	161.8	161.8	178.5	196.9	213.0	249.4	291.6	306.6	331.8	403.8

Source: Central Agency for Public Mobilisation and Statistics

1/ The numbers in parentheses are commodity weights. The weights indicated do not sum to 100.0 as the index for all items also includes (with weights in parentheses) poultry and fish (3.4) inedible animal products (0.8), tanned skins (0.3), household appliances (1.2), and machinery and equipment (0.4)

End of Period	1981	1982
Construction materials	462.3	556.2
All items	308.9	337.7

Source: World Bank