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PROJECT ASSISTANCE COMPLETION REPORT (PACR)

for Field Epidemiology Training Program (FETP)

Primary Health Care Financing Project (PHCFP)

FIELD EPIDEMIOLOGY TRAINING PROGRAM

This narrative provides an update to the PACR for the Primary Health Care Financing Project completed before July 31, 1991.

The Field Epidemiology Training Program (FETP) component was added to the service delivery element of the PHCFP in August 1986 with an amended PACD of 31 December 1991. The purpose of this program is to improve and strengthen the epidemiologic services of the Department of Health by improving capacities to investigate disease outbreaks, report and analyze disease surveillance data, develop methodologies for disease control and prevention interventions, and utilize epidemiologic information for planning, managing and evaluating health services.

The strategy utilized to achieve the project purpose consists of: (a) developing a cadre of trained field epidemiologists and providing them with the status, prestige and financial incentives conducive to rendering effective epidemiologic services, and (b) developing a self sustaining capacity within the DOH to continue training an adequate number of field epidemiologists with the necessary job incentives to remain with the program.

The program is provided with a long term consultant epidemiologist from the US Centers for Disease Control (CDC) acting as co-manager of the program, together with the senior epidemiologist of the DOH. Jointly, they are responsible for arranging and conducting the two-year training of epidemiologists, for interacting with other programs of the DOH and ensuring that the FETP serves the needs of the DOH most effectively.

All major activities under the program are on schedule and physical accomplishments within target. A total of 15 physicians graduated from the first two courses completed, the third course with 7 trainees is on its second year, and the fourth batch of 7 trainees have been selected. The program is housed in a building

fully renovated by the PHCFP and four sentinel sites have been identified, provided with equipment and computers, and are operational.

Significant accomplishments of the program include (a) the formulation of several policy recommendations resulting from outbreak investigations conducted by the FETP trainees and graduates that have contributed to DOH management policy decisions, and (b) professional projection and recognition both locally and internationally which trainees and graduates gained through the publication of their FETP studies and presentations they have made at local and international conferences. This component provides a clear model of what a program can achieve when it is provided with a conducive atmosphere for development, consisting of strong top management support, adequate budgetary support for high quality selection and training, sustained technical assistance and the needed technical inputs.

Financial support from USAID Grant for the component was increased from \$1.65M to \$2.2M. Reported level of expenditure increased at a steady pace from 16% in December 1987 to 37% in 1988 to 48% in December 1989. By December 1990, the level of expenditure was \$1.3M or 79% of total obligations for the component. As of December 1991, level of expenditure is at 79% or \$1.8M against \$2.2 total obligations. It is estimated that by the Terminal Disbursement Date (TDD) in September 1992, 96% or \$2.19M of the total obligations will be expended by the component. Funds utilization levels of this component are thus within normal limits.

A final evaluation on this project component was performed in December, 1991. The evaluation report concluded that, on the whole, FETP has achieved its original objectives and has followed the planned strategy. Aside from meeting its training targets, the following intended objectives of FETP have been substantially met: 1) Investigate disease outbreaks; 2) report and analyze disease surveillance data; 3) develop methodologies for disease control and prevention interventions; and 4) utilize epidemiologic information for planning, managing and evaluating health services programs.

Because of the perceived effectiveness of the program and its potential to contribute significantly to the strengthening of the DOH organization, FETP has been institutionalized to become the Epidemiology Division of the Health Intelligence Service (HIS). This was formalized by DOH Administrative Order No. 118-D issued on March 8, 1992. The absence of permanent arrangements for staff and personnel, which had been identified as an issue before, has also been addressed with the institutionalization of FETP within HIS. A third issue, which is the lack of an adequate quick response mechanism to provide for the financial and

administrative requirements of outbreak investigations became a non-issue after the FETP staff adjusted to government budgeting accounting and auditing procedures and learned to specify requirements with sufficient lead time.

Thus, all FETP component issues identified in the PHC Financing Project PACR have been addressed.

FETP FINANCIAL STATUS AS OF DECEMBER 1991

1. USAID had obligated 100% of the \$2.2 million project assistance and had committed 97% (2.19M).

2. Pipeline status:

<u>Component</u>	<u>Pipeline as % of Component Budget only</u>
FETP	21%

3. Level of expenditures for FETP is 79%.

4. Estimated savings of unutilized funds is 6%.

5. Estimated GOP counterpart for FETP - \$150,000

**TABLE 1
DOH-USAID PHCFP
FINANCIAL STATUS
CUMULATIVE AS OF DECEMBER 1991**

USAID Obligated Dec. 31, 1991	2,257
USAID Committed Dec. 31, 1991	1,954
Pipeline Dec. 31, 1991	465 (21%)*
Operations Budget Dec. 31, 1991	1,653
Level of Expenditure Dec. 31, 1991	1,792
Estimated Savings Dec. 31, 1991	6%
Estimated DOH counterpart**	150 (7%)*

* % against USAID obligations

** Total counterpart for Primary Health Care Finance Project, of which FETP is a component, is 84%.

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**PRIMARY HEALTH CARE FINANCING PROJECT – FETP COMPONENT
COMMODITY LISTING**

<u>Year</u>	<u>Item</u>	<u>Quantity</u>	<u>P Value</u>	<u>Approx. \$ Value</u>	<u>EE</u>	<u>CC</u>
1991	Printer, dot matrix	3 units	51,900.00	1,922.22	223	226
	Uninterruptible power supply	2 units	19,000.00	703.70	223	226
	Computer, laptop	1 unit	89,250.00	3,305.56	223	226
	Computer, PC	1 unit	63,420.00	2,348.89	223	226
	Mini-computer, server	1 unit	1,289,000.00	47,740.74	223	226
	Laserjet printer toner	4 tubes	14,348.00	531.41	223	226
	Diskettes, 5.25", DD	20 boxes	3,600.00	133.33	223	226
	Printer ribbon, IBM	50 units	18,000.00	666.67	223	226
	Printer ribbon, Epson 8755	20 units	3,200.00	118.52	223	226
	Printer ribbon, Epson 8750	20 boxes	3,000.00	111.11	223	226
	Diskettes, 3.5", HD	20 boxes	13,600.00	503.70	223	226
	Diskettes, 3.5" DD	20 boxes	6,700.00	248.15	223	226
	Airconditioner, 5 tons, package type including installation	4 units	380,927.67	14,108.43	223	226
	Calculator, handheld model	15 units	43,500.00	1,611.11	223	226
	Calculator, desktop model	8 units	51,600.00	1,911.11	223	226
	Diskettes, 5.25", HD	20 boxes	5,800.00	214.81	223	226
	Typewriter ribbon	20 boxes	16,900.00	625.93	223	226
	Typewriter lift-off tape	20 boxes	4,400.00	162.96	223	226
	Typewriter printwheel	3 units	22,500.00	833.33	223	226
	Typewriter, electric	9 units	378,004.05	14,000.15	221	226
	Computer, laptop -	10 units	961,300.00	35,603.70	221	225
	Printer, dot matrix	10 units	160,000.00	5,925.93	221	225
	Airconditioner, 2hp, window-type	8 units	166,400.00	6,162.96	221	225
	Typewriter, electronic	2 units	91,600.00	3,392.59	221	225
	Table and chair set, clerical	6 sets	36,900.00	1,366.67	221	225
	Cabinet, filing	6 units	17,700.00	655.56	221	225
	Airconditioner, split, wall-mounted)	1 unit				
	Airconditioner, split, stand type)	1 unit	116,000.00	4,296.30	220	222
	Liquid nitrogen tank	2 units	141,600.00	5,244.44	220	222
	Auto-focus camera	1 unit	7,623.00	282.33	220	222
	Photocopying machine	1 unit	279,000.00	10,333.33	220	222
	Facsimile machine	1 unit	68,000.00	2,518.52	220	222
	Computer plotter, colored	1 unit	158,000.00	5,851.85	220	222
	Printer, laser	2 units	226,000.00	8,370.37	220	222
	Computer, laptop	4 units	384,520.00	14,241.48	220	222
	Printer, dot matrix	10 units	140,000.00	5,185.19	220	222
	Data switches, electronic	4 units	42,400.00	1,570.37	220	222
	Table, utility	1 unit	4,035.00	149.44	220	222
	Tissue homogenizer	1 unit	73,050.00	2,705.56	220	222
	Liquid nitrogen cryogenic equipment	1 unit	72,146.25	2,672.08	220	222

**PRIMARY HEALTH CARE FINANCING PROJECT – FETP COMPONENT
COMMODITY LISTING**

	Ultra low freezer, chest type	1 unit	225,000.00	8,333.33	220	222
	UV fluorescent table	1 unit	105,650.00	3,912.96	220	222
	Autoclave, floor model	1 unit	268,888.00	9,958.81	220	222
	Oven with microprocessor	1 unit	58,100.00	2,151.85	220	222
	Microscope	1 unit	44,380.00	1,643.70	220	222
	Computer	20 units	1,900,000.00	70,370.37	216	216
	Uninterruptible power supply	20 units	330,000.00	12,222.22	216	216
	Refrigerated centrifuge	1 unit	777,820.00	23,808.15	216	216
	Refrigerator, 2-door, 10 cu. ft.	1 unit	13,050.00	483.33	216	216
	Icebox/cooler, 68 qts.	1 unit	2,600.00	96.30	216	216
1990	Autoclaves	3 units	278,833.50	12,674.25	4-40205	
	Incubators	2 units	75,328.00	3,424.00	4-40205	
	Waterbaths	3 units	21,489.60	976.80	4-40205	
	Electronic balance	1 units	17,702.30	804.65	4-40205	
	PH temperature meter	1 units	11,278.40	517.20	4-40205	
	Centrifuge w/ rotor and shields	1 units	26,172.30	1,189.65	4-40205	
	Culture dishes	3 cases	13,596.00	618.00	4-40205	
	Test tubes (screw caps)	2 cases	4,391.20	199.60	4-40205	
	Inoculating loops	1 pack	647.46	29.43	4-40205	
	Culture dishes	1 case	2,420.00	110.00	4-40205	
	Test tubes (flared lip) 100mm x 13mm	2 packs	1,375.00	62.50	4-40205	
	Test tubes (flared lip) 150mm x 16 mm	2 packs	1,351.68	61.44	4-40205	
	Culture Tubes w/o lip	2 packs	582.56	26.48	4-40205	
	Specimen vials	1 case	1,562.00	71.00	4-40205	
	Pasteur pipets, 9"	1 case	396.00	18.00	4-40205	
	Pasteur pipets, 5-3/4	1 case	396.00	18.00	4-40205	
	Cryogenic storage tubes	1 pack	924.00	42.00	4-40205	
	Membrane filters	1 pack	747.34	33.97	4-40205	
	Rubber policeman	1 pack	190.30	8.65	4-40205	
	Assay plates	1 case	3,217.50	146.25	4-40205	
1989	Airconditioner, 2hp	2 units	33,800.00	1,609.52	61	97B
	Electric stove	1 unit	1,495.00	71.19	61	97B
	Refrigerator, 8 cu. ft.	2 units	14,980.00	713.33	61	97B
	Triple sugar agar iron	3 btls.	2,096.40	357.14	132	132B
	McConkey Agar	2 btls.	1,560.00	74.28	132	132A
	Salmonella Shigella	3 btls.	2,550.00	121.43	132	132A
	Lysine Iron Agar	2 btls.	2,118.00	100.86	132	132A
	Bacto Oxgall	1 btl.	2,198.00	104.67	132	132A
	Sacharose	1 btl.	450.00	21.43	132	132A
	Floptop vials	1,000 pcs.	7,500.00	357.14	132	132B
	Petri dishes w/ lids	100 pairs	4,695.00	223.57	132	132A
	Computer printers	6 units	30,000.00	1,428.57	100	125E

**PRIMARY HEALTH CARE FINANCING PROJECT – FETP COMPONENT
COMMODITY LISTING**

	Voltage regulators	2 units	2,590.00	123.33	100	125E
	Sound system	1 unit	7,438.00	354.19	125	125D
	Computers, w/ modems	1 pair	75,150.00	3,578.57	125	125C
	Computers, w/ modems	3 pairs	64,650.00	3,078.57	125	125C
	Dot matrix printers	3 pairs	30,600.00	1,457.14	125	125C
	Emergency power units	6 pairs	75,000.00	3,571.43	125	125C
	Velobinder, Model 200	1 unit	41,016.25	1,953.15	125	125B
	Velobinder consumables	1 lot	10,870.00	517.68	125	125B
	Photocopier	1 unit	56,000.00	2,666.67	125	125A
	Miniblinds	1,424 ft.	42,920.74	2,043.84	61	117
	Airconditioner, 1 hp	2 units	24,000.00	1,142.86	61	117
	Airconditioner, 2 hp	2 units	17,000.00	1,619.05	61	117
	Electric stove	1 unit	1,495.00	71.19	61	97B
	Refrigerator, 8 cu. ft.	2 units	14,980.00	713.33	61	97B
	Airconditioners, 2 hp	2 units	33,800.00	1,609.52	61	97B
	PREM 386/16)	1 unit	157,630.62	7,506.22	4-40199	
	80FH drive)	1 unit				
	Laserjet printer)	1 unit				
	Laserjet memory board)	1 unit				
	Monitor)	1 unit				
	64CLR, EGA, CGA, MGA)	1 unit				
1988	Dot matrix printers	8 units	40,800.00	1,942.86	61	114
	Computers, w/o modems	7 units	164,500.00	7,833.33	61	114
	Computers, w/ modems	9 units	225,450.00	10,735.71	61	114
	UPS	18 units	203,400.00	9,685.71	61	114
	Executive tables	2 units	9,400.00	447.62	61	107
	Executive swivel chair	1 unit	2,100.00	100.00	51	107
	Visitors' chairs	2 units	3,498.00	166.57	61	107
	Corner set	1 set	8,495.00	404.52	61	107
	Executive swivel chair	1 unit	1,950.00	92.86	61	107
	Visitors' chairs	2 units	1,898.00	90.38	61	107
	Corner set	1 set	8,090.00	385.24	61	107
	Conference table w/ 20 chairs	1 set	54,479.00	2,594.24	61	107
	Wooden planters	10 units	44,740.00	2,130.48	61	107
	Conference table w/ 8 chairs	1 set	12,999.00	619.00	61	107
	Wooden planters	2 units	2,450.00	116.67	61	107
	Folding chairs	20 units	9,980.00	475.24	61	107
	Clerical swivel chair	15 units	14,175.00	675.00	61	107
	Computer console desk	5 units	7,495.00	356.00	61	107
	Computer chairs	10 units	9,490.00	451.90	61	107
	Clerical tables	5 units	7,495.00	356.90	61	107
	Clerical swivel chair	4 units	3,796.00	180.76	61	107
	Visitor's chair	8 units	7,560.00	360.00	61	107

**PRIMARY HEALTH CARE FINANCING PROJECT – FETP COMPONENT
COMMODITY LISTING**

	Typing table	2 units	1,898.00	90.38	61	107
	Utility table	2 units	2,798.00	133.24	61	107
	Library chair	24 units	16,680.00	794.26	61	107
	Library tables	4 units	5,996.00	285.52	61	107
	Book cases w/ glass doors	6 units	35,694.00	1,699.71	61	107
	Chaise longue	2 units	3,998.00	190.38	61	107
	Card catalogue	1 unit	6,949.00	330.90	61	107
	Living room set	1 set	8,489.00	404.24	61	107
	Serving cart	1 unit	958.00	45.62	61	107
	Folding table	2 units	978.00	46.57	61	107
	Hanging folder racks	6 units	4,620.00	225.36	61	106
	Steel lockers	2 units	3,300.00	160.98	61	106
	Video cassette recorder	1 unit	6,800.00	331.71	61	96
	Television set	1 unit	12,288.00	599.41	61	96
	Refrigerator, 6 cu. ft.	1 unit	5,250.00	256.10	61	96
	Books	1 lot	118,900.00	5,800.00	4-60184	
	Utility vehicle	1 unit	517,300.00	25,234.15	61	72G
1987	Steel file cabinets	6 units	10,800.00	540.00	61	84
	Overhead projector	1 unit	11,500.00	575.00	61	84
	Cassette tape recorder	1 unit	3,500.00	175.00	61	84
	Slide projector	1 unit	12,766.00	638.30	61	84
	Portable projection screen	1 unit	5,800.00	290.00	61	84
	Manual typewriter	1 unit	8,200.00	410.00	61	84
	Electronic typewriter	1 unit	18,500.00	925.00	61	84
	Airconditioners, 2hp	4 units	66,980.00	3,349.00	61	84
	Airconditioners, 1hp	5 units	61,562.00	3,078.12	61	84
	Photocopier	1 unit	96,500.00	4,825.00	61	84
	Mimeograph machine	1 unit	35,625.00	1,781.25	61	84
	Electronic scanner	1 unit	34,886.00	1,744.30	61	84
	FETP brochures	1,000 units	2,500.00	125.00	61	87
GRAND TOTAL			<u>12,537,851.12</u>	<u>499,818.75</u>		