

PD AAL-519

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|--|---|--|--|-----------------------|
| AGENCY FOR INTERNATIONAL DEVELOPMENT PROJECT PAPER FACESHEET | | 1. TRANSACTION CODE <input checked="" type="checkbox"/> A ADD C - CHANGE D - DELETE | | 2. DOCUMENT CODE 3 |
| 3. COUNTRY/ENTITY Africa Regional | | 4. DOCUMENT REVISION NUMBER <input type="checkbox"/> | | |
| 5. PROJECT NUMBER (7 digits) <input type="checkbox"/> 698-0412.1 <input type="checkbox"/> | 6. BUREAU/OFFICE A. SYMBOL AFR B. CODE <input type="checkbox"/> 06 <input type="checkbox"/> | 7. PROJECT TITLE (Maximum 40 characters) <input type="checkbox"/> Health Inst. Imp. 211(d) - Meharry <input type="checkbox"/> | | |
| 8. ESTIMATED FY OF PROJECT COMPLETION FY <input type="checkbox"/> 8 <input type="checkbox"/> 3 <input type="checkbox"/> | | 9. ESTIMATED DATE OF OBLIGATION A. INITIAL FY <input type="checkbox"/> 7 <input type="checkbox"/> 8 B. QUARTER <input type="checkbox"/> 4 C. FINAL FY <input type="checkbox"/> 8 <input type="checkbox"/> 2 (Enter 1, 2, 3, or 4) | | |

10. ESTIMATED COSTS (\$000 OR EQUIVALENT \$) -)

| A. FUNDING SOURCE | FIRST FY | | | LIFE OF PROJECT | | |
|------------------------|----------|--------|----------|-----------------|---------|-----------|
| | B. FX | C. L/C | D. TOTAL | E. FX | F. L/C | G. TOTAL |
| AID APPROPRIATED TOTAL | 300 | 50 | 350 | 1,080 | 170 | 1,250 |
| (GRANT) | (300) | (50) | (350) | (1,080) | (170) | (1,250) |
| (LOAN) | (-) | (-) | (-) | (-) | (-) | (-) |
| OTHER U.S. 1. | | | | | | |
| 2. | | | | | | |
| HOST COUNTRY | | | | | | |
| OTHER DONOR(S) | | | | | | |
| TOTALS | 300 | 50 | 350 | 1,080 | 170 | 1,250 |

11. PROPOSED BUDGET APPROPRIATED FUNDS (\$000)

| A. APPROPRIATION | B. PRIMARY PURPOSE CODE | PRIMARY TECH. CODE | | E. 1ST FY <u>78</u> | | H. 2ND FY <u>79</u> | | K. 3RD FY <u>80</u> | |
|------------------|-------------------------|--------------------|---------|---------------------|---------|---------------------|---------|---------------------|---------|
| | | C. GRANT | D. LOAN | F. GRANT | G. LOAN | I. GRANT | J. LOAN | L. GRANT | M. LOAN |
| (1) H | 500 | 500 | - | 350 | - | 225 | - | 225 | - |
| (2) | | | | | | | | | |
| (3) | | | | | | | | | |
| (4) | | | | | | | | | |
| TOTALS | | | | 350 | - | 225 | - | 225 | - |

| A. APPROPRIATION | N. 4TH FY <u>81</u> | | O. 5TH FY <u>82</u> | | LIFE OF PROJECT | | 12. IN-DEPTH EVALUATION SCHEDULED <input type="checkbox"/> MM <input type="checkbox"/> YY <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 8 <input type="checkbox"/> 0 |
|------------------|---------------------|---------|---------------------|---------|-----------------|---------|---|
| | D. GRANT | P. LOAN | R. GRANT | S. LOAN | T. GRANT | U. LOAN | |
| (1) H | 225 | - | 225 | - | 1,250 | - | |
| (2) | | | | | | | |
| (3) | | | | | | | |
| (4) | | | | | | | |
| TOTALS | 225 | - | 225 | - | 1,250 | - | |

13. DATA CHANGE INDICATOR. WERE CHANGES MADE IN THE PID FACESHEET DATA, BLOCKS 12, 13, 14, OR 18 OR IN PRP FACESHEET DATA, BLOCK 12? IF YES, ATTACH CHANGED PID FACESHEET.

1 = NO
2 = YES

| | | | |
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| 14. ORIGINATING OFFICE CLEARANCE | | 15. DATE DOCUMENT RECEIVED IN AID/W. OR FOR AID/W DOCUMENTS, DATE OF DISTRIBUTION | |
| SIGNATURE <i>E. Dennis Conroy</i> | | MM DD YY <input type="checkbox"/> 0 <input type="checkbox"/> 8 <input type="checkbox"/> 2 <input type="checkbox"/> 1 <input type="checkbox"/> 7 <input type="checkbox"/> 8 | |
| TITLE Director, AFR/RA | | | |
| DATE SIGNED | | MM DD YY <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> | |

| | | | |
|---|---|--|-------------------------------------|
| AGENCY FOR INTERNATIONAL DEVELOPMENT PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS PART I | | 1. TRANSACTION CODE <div style="border: 1px solid black; display: inline-block; padding: 2px;">A</div> A = ADD C = CHANGE D = DELETE | PAF 2. DOCUMENT CODE 5 |
| 3. COUNTRY/ENTITY Africa Regional | | 4. DOCUMENT REVISION NUMBER <div style="border: 1px solid black; display: inline-block; padding: 2px;">0</div> | |
| 5. PROJECT NUMBER (7 digits) <div style="border: 1px solid black; display: inline-block; padding: 2px;">698-0412.1</div> | 6. BUREAU/OFFICE A. SYMBOL AFR | 7. PROJECT TITLE (Maximum 40 characters) <div style="border: 1px solid black; display: inline-block; padding: 2px;">Health Inst. Imp. 211(d) - Meharry</div> | |
| 8. PROJECT APPROVAL DECISION ACTION TAKEN <div style="border: 1px solid black; display: inline-block; padding: 2px;">A</div> A - APPROVED D - DISAPPROVED DE - DEAUTHORIZED | | 9. EST. PERIOD OF IMPLEMENTATION YRS. <div style="border: 1px solid black; display: inline-block; padding: 2px;">0</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">5</div> QTRS. <div style="border: 1px solid black; display: inline-block; width: 20px; height: 15px;"></div> | |

| 10. APPROVED BUDGET AID APPROPRIATED FUNDS (\$000) | | | | | | | | | |
|--|-------------------------|--------------------|---------|---------------------|---------|---------------------|---------|---------------------|---------|
| A. APPROPRIATION | B. PRIMARY/PURPOSE CODE | PRIMARY TECH. CODE | | E. 1ST FY <u>78</u> | | H. 2ND FY <u>79</u> | | K. 3RD FY <u>80</u> | |
| | | C. GRANT | D. LOAN | F. GRANT | G. LOAN | I. GRANT | J. LOAN | L. GRANT | M. LOAN |
| (1) H | 500 | 500 | - | 350 | - | 225 | - | 225 | - |
| (2) | | | | | | | | | |
| (3) | | | | | | | | | |
| (4) | | | | | | | | | |
| TOTALS | | | | | | | | | |

| A. APPROPRIATION | N. 4TH FY <u>81</u> | | Q. 5TH FY <u>82</u> | | LIFE OF PROJECT | | 11. PROJECT FUNDING AUTHORIZED (ENTER APPROPRIATE CODE(S)) 1 = LIFE OF PROJECT 2 = INCREMENTAL LIFE OF PROJECT | A. GRANT | B. LOAN |
|------------------|---------------------|---------|---------------------|---------|-----------------|---------|---|----------|---------|
| | D. GRANT | P. LOAN | R. GRANT | S. LOAN | T. GRANT | U. LOAN | | | |
| (1) H | 225 | - | 225 | - | 1,250 | - | | 1 | |
| (2) | | | | | | | | | |
| (3) | | | | | | | | | |
| (4) | | | | | | | | | |
| TOTALS | | 225 | - | 225 | - | 1,250 | - | | |

C. PROJECT FUNDING AUTHORIZED THRU FY

8

2

| | | | | | |
|---|--------------------------------|---------|---|--|--|
| 12. INITIAL PROJECT FUNDING ALLOTMENT REQUESTED (\$000) | | | 13. FUNDS RESERVED FOR ALLOTMENT | | |
| A. APPROPRIATION | B. ALLOTMENT REQUEST NO. _____ | | TYPED NAME (Chief, SER/FM/FSD) SIGNATURE _____ DATE _____ | | |
| | C. GRANT | D. LOAN | | | |
| (1) H | 350 | - | | | |
| (2) | | | | | |
| (3) | | | | | |
| (4) | | | | | |
| TOTALS | | 350 | - | | |

14. SOURCE/ORIGIN OF GOODS AND SERVICES
 000
 941
 LOCAL
 OTHER _____

15. FOR AMENDMENTS, NATURE OF CHANGE PROPOSED

| | | | | |
|-----------------------|-------------------------------|-----------------------------|---------------------------------|-----------------------------------|
| FOR PPC/PIAS USE ONLY | 16. AUTHORIZING OFFICE SYMBOL | 17. ACTION DATE MM DD YY | 18. ACTION REFERENCE (Optional) | ACTION REFERENCE DATE MM DD YY |
|-----------------------|-------------------------------|-----------------------------|---------------------------------|-----------------------------------|

PROJECT AUTHORIZATION AND REQUEST FOR ALLOTMENT OF FUNDS
PART II

Name of Entity: Meharry Medical College

Project Title : Health Institutions Improvement FAA Section 211(d)

Project Number : 698-0412.1

Pursuant to Part I, Chapter 1, Section 104, and Part I, Chapter 2, Section 211(d), of the Foreign Assistance Act of 1961, as amended, I hereby authorize a Grant to the Meharry Medical College of not to exceed Three Hundred Fifty Thousand United States Dollars (\$350,000) the ("Authorized Amount") to assist in financing institutional development pursuant to the attached Grant Project Statement. The Project will help improve the Meharry Medical College's capacity to provide assistance to African countries in (1) maternal and child health/family planning (MCH/FP) efforts, and (2) in applied nutrition.

I approve the total level of A.I.D. appropriated funding planned for this project of not to exceed One Million, Two Hundred Fifty Thousand United States Dollars (\$1,250,000.00), Grant, including the funding authorized above, during the period Fiscal Year 1978 through Fiscal Year 1982, subject to the availability of funds in accordance with A.I.D. allotment procedures.

I hereby authorize the initiation of negotiation and execution of the Grant Agreement by the officer to whom such authority has been delegated in accordance with A.I.D. regulations and Delegations of Authority on such terms and conditions as A.I.D. may deem appropriate.

Date: August 24, 1978

E. Haven North
W. Haven North
Deputy Assistant Administrator
for Africa

drafted:GC/AFR:^{EAD}EADfagon:mls:8/22/78:X29218

Clearance:AFR/RA:JDKraus *[initials]* date: 8/22
PPC/PDS:JEriksson *[initials]* date: 8/23/78
AFR/RA:MDuffy *[initials]* date: 8/22/78
AFR/DR:ECross(draft)
AFR/RA:CMiracle(subs)
AFR/DP:CWard *[initials]* date: 8/23
AFR/RA:MCruft *[initials]* date: 23 Aug 78

PROPOSAL

FOR SUPPORT UNDER

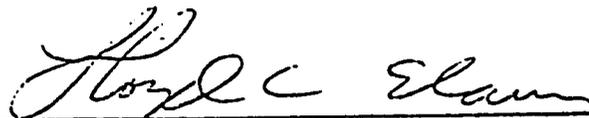
THE AGENCY FOR INTERNATIONAL DEVELOPMENT

INSTITUTIONAL GRANTS PROGRAM

APPLICANT: Meharry Medical College
DATE: May 31, 1978
TITLE: Maternal Child Health/Family Planning
and Applied Nutrition

AMOUNT AND TERM OF GRANT: \$1,250,000
5 Years (January 1, 1979 - January 1, 1984)

AID SPONSORING TECHNICAL OFFICE: Office of Regional Affairs
Bureau of Africa



Dr. Lloyd Elam, President



Dr. Charles Johnson, Dean
School of Graduate Studies and Research



Dr. Gladys Hardy, Director
International Center for Health Sciences

MEHARRY MEDICAL COLLEGE

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I. Description of the Problem

Adequate health is in the equivocal position of being both a means and an objective of economic and social development. On one hand it directly affects the morbidity, mortality and fertility rates of a population and together these factors largely determine the age, sex, size and productivity of the labor force--a factor which may either inhibit or facilitate national development. On the other hand, the overall objective of development is to improve the well being of the population in general. A necessary, but not sufficient condition for this is providing that population with basic health services which will enable it to effectively participate in and benefit from the growth process. Increased accessibility to improved health care services at affordable costs facilitates a redistribution of income by increasing the income of the lower income groups.

Adequate health care in developing countries takes on particular significance when one considers that the distribution of health services is highly skewed and that eighty per cent of the rural populations in many developing countries do not have access to modern health services (Taylor, C. and Hall, M., 1967; Pan American Health Organization Technical Group, 1970; Wooley, P., et al, 1972; Holland, et al., 1973; Morley, 1973). This problem is further exacerbated by high parity (large number of births), chronic malnutrition, short interpregnancy intervals, little or no pre-natal care, pregnancy at both extremes of reproductive life, infections and communicable diseases, and poor environmental conditions. (Simpkiss, 1968; Bryant, J., 1969; Connell, E., 1975; Henderson, Jr., 1975.)

Several developing countries are attempting to develop or extend health care programs in outlying rural areas, however, they are confronted with major

constraints due to the scarcity and maldistribution of fiscal and health manpower resources, lack of health infrastructure and the urban based curative services rather than preventive health services. In order to attain optimal benefits from available resources, the focus of programs to provide low-cost health services to rural areas should be primarily on preventive health measures which reduce the susceptibility of the rural poor to various diseases or reduce the hazards of diseases. Essential and underlying elements to such measures are: (a) improving the nutritional and environmental standards of these populations in general and of children and lactating mothers in particular, and (b) assisting sub-Saharan African governments to help their poor majorities to achieve more manageable family sizes. In connection with this, studies of impoverished families in several areas of Africa have consistently shown that the incidence of malnutrition is greater in large families. In Zaire, for example, those families with four or fewer members consume an average of about 3,000 calories per day; members of families larger than nine eat an average of only 2,000 calories per day. Some physicians calculate that even without other improvements in income, food availability or medical care, the limitation of family size to three children would bring down the incidence of the severe forms of protein-calorie malnutrition by at least 60 per cent. (Rao, K. V., and Gopalan, C., 1969; Wray, J., and Aquirre, A., 1969; Lowenstein, F., 1973.)

In many sub-Saharan countries, the masses of the population pass through annual "hungry seasons" as food production barely meets minimal nutrition requirements. In some, the problem is not insufficient foods but rather insufficient amounts of and demand for appropriate high protein foods. This problem is further compounded by socio-cultural factors and environmental conditions. In both cases, it is the children and lactating mothers who suffer most from lack of adequate health education programs, malnutrition and related death. When preg-

nant, a well nourished woman's daily caloric intake should exceed the usual amount by approximately three hundred calories. When nursing, the dietary supplement should be greater. (Arroyave, G., 1975; Rush, P., 1975.) If the mother does not receive a dietary supplement during pregnancy and nursing her body will draw upon its own reserve resulting in the suffering of both mother and child.

In the context of these problems and the congressional mandate to improve the health conditions of the poorer segments of developing countries, the health strategy of the Africa Bureau (AFR), as outlined in "Health in Africa", is to support programs which have as their goals developing and implementing efficient and affordable health services. A key element in this strategy is assisting the governments of these countries in establishing nutrition, health education, maternal child health and family planning programs by providing some of the technical assistance and training opportunities required. The Agency for International Development is providing such assistance to several countries through bilateral supported health, agricultural, and rural development projects. In many instances, this bilateral assistance is complemented by AID Africa regional projects that provide assistance which is related to AID overall program goals but which most often is not provided in specific bilateral projects.

One such project is the integrated maternal and child health/family planning and nutrition planning program implemented by Meharry Medical College of Nashville, Tennessee. Initiated with a grant in 1970, the goal of this project was to develop some institutional capability to assist in the improvement of health conditions in selected countries in sub-Saharan Africa through the establishment of a MCH/FP Training and Research Center at the College. The Center was established on July 1, 1971 with an administrative and coordinative role for all departments on campus. Since that time, several research projects

have been initiated and over 200 persons from developing countries in Africa have participated in the MCH/FP and Nutrition Planning programs. Services rendered by the Center have been evaluated to ascertain the efficiency, effectiveness of programs, and demand for services by African countries. Based on the findings and recommendations of several evaluations, Meharry Medical College is requesting a five year institutional development grant to expand its capability in planning and implementing interdisciplinary MCH/FP, applied nutrition and biomedical ecology programs for developing countries in Africa. Continuing and expanding the international activities in this regard will contribute to the goal of strengthening Meharry's multidisciplinary capability to assist in the improvement of health care delivery in developing countries in Africa.

II. Description of Grantee

A. Existing Capability

Meharry Medical College is one of two predominately Black medical schools in the United States and has graduated almost fifty per cent of the Black physicians and dentists now practicing in the United States. Meharry continues its historic heritage of empathy for the disadvantaged of all origins as reflected in the following mission:

True to its heritage, Meharry must maintain its empathy for the disadvantaged of all origins. This must be done in a system that does not compromise the standards of quality upon which an excellent education in the health services, basic and clinical, is founded.

Always primary will be the objective to develop and maintain a center of excellence for continuing study as a

sound and enduring basis for the practice and delivery of health care services of highest quality.

The college will continue its established partnership between college and community in the programs of health care, education, and research.

In light of its special concern for the health of minorities and the disadvantaged, Meharry will emphasize the amelioration of their problems in its programs of research.

Meharry pledges itself to the maintenance of the highest human and moral values in respect to the care and welfare of those it serves.

Meharry is organized into three basic units: a college division composed of four schools (medical, dental, graduate and a school of Allied Health which is shared with Tennessee State University), a health services division composed of a 550 bed teaching hospital and several large out-patient clinics, and a Central Administration division. (See figure 1 page 8 for summary organization chart showing the three divisions.)

Major Units Participating in the 211(d) Grant

The International Center for Health Sciences

This training and research unit of the College was established on July 1, 1971 and will serve an administrative and coordinative role for the 211(d) grant. This Center's multinational and multitalented team of health specialists are affiliated with various departments on campus and serve in an international

training and advisory capacity in MCH/FP and Nutrition Planning. Although most of the Center's professional personnel are administratively located in the Graduate School's multidisciplinary division of biomedical ecology, the Center's activities require the involvement of other elements of Meharry Medical College and appropriate disciplines at other academic units of the North Nashville Complex.

Bio-Medical Ecology Division

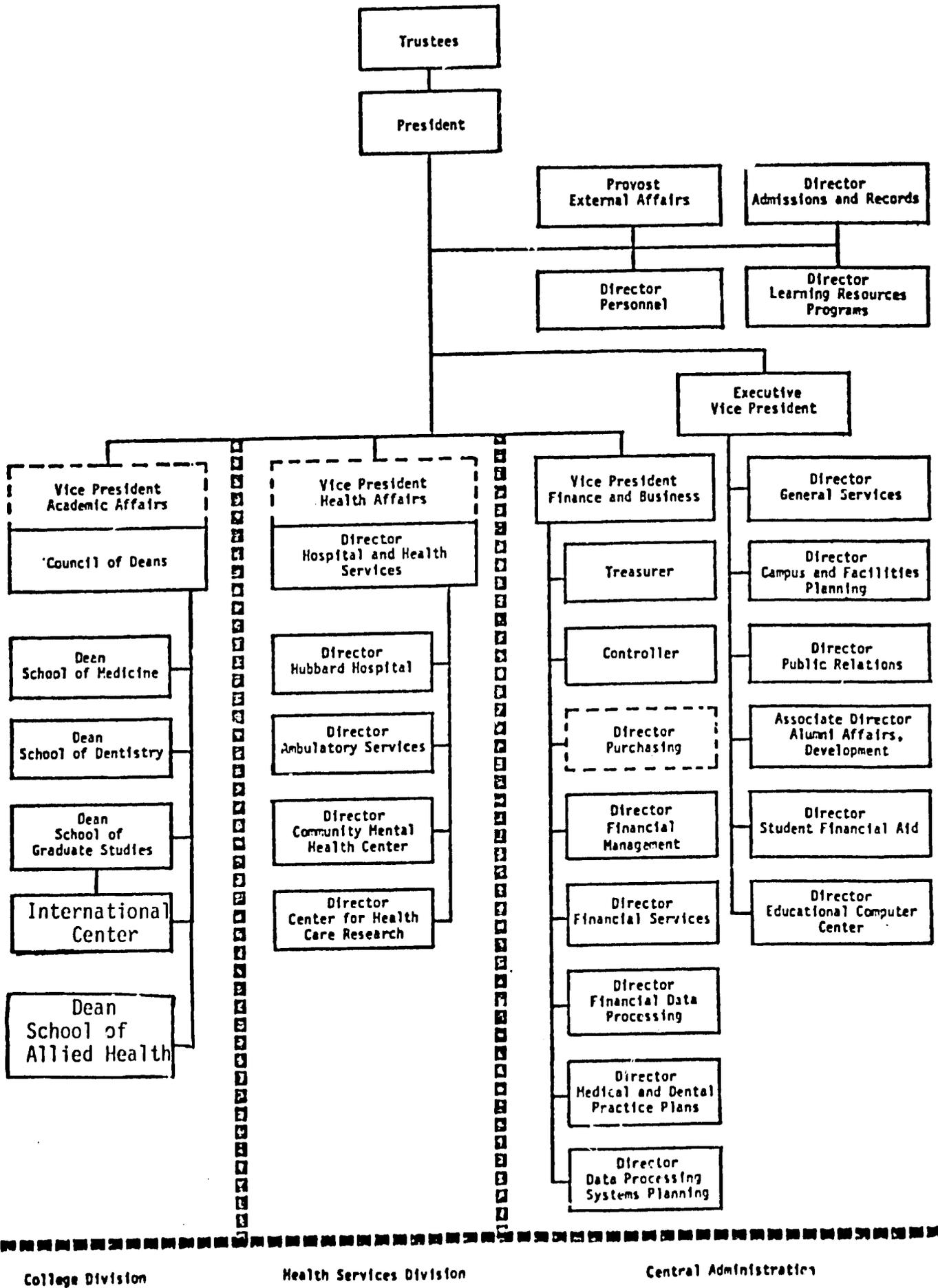
This educational unit of the College was established as the Division of Behavioral Sciences in 1968. The division supports Fisk University's master's program in psychology by providing instructional experiences in clinical psychology. Current activities in this division, having domestic implications and of interest to developing countries, include the development of multidisciplinary programs which will include the appropriate elements of nutrition (including planning), medical anthropology (nutrition and traditional healing), and major endemic parasitic infections (e.g., onchocercosis, schistosomiasis, trypanosomiasis, and malaria). Comprehensive research in appropriately selected "Black related disease syndromes" is also in the developmental stage in this unit along with associated multidisciplinary academic programs.

OB/GYN Department

The Department of Obstetrics and Gynecology has four major functional divisions - Education, In-Patient Services, Ambulatory Programs, and Research. The objectives of this department are to: 1) render the best gynecologic and obstetric care in the delivery of health services in Meharry's integrated community health and family programs; 2) to provide all students in the specialty with a curriculum designed to equip them with a thorough scientific knowledge of the fundamental of clinical and didactic obstetrics and gynecology; 3) to

create a departmental atmosphere conducive to scientific investigation and attractive to the students; 4) to encourage each student to seek a Residency in this after his internship; 5) to continue to strengthen a Resident Training Program which qualifies a candidate to become certified by the American Board of Obstetrics and Gynecology; 6) encourage continuing education by the senior staff through scientific writings and attendance at post graduate courses and seminars in the specialty.

Fig. 1. Summary organization chart showing the three divisions of the college. Dotted lines indicate vacant positions; Council of Deans functions as chief academic officer, in the absence of an academic vice president; General Services (under the Executive Vice President) includes maintenance and auxiliaries.



Supporting Facilities for 211(d) Grant

The Kresege Learning Resources Center

The programs in the Kresege Learning Resources Center provide educational support services to the learning and instructional activities of the four schools of Meharry. It provides support resources in terms of personnel and facilities for the improvement of instructional quality, efficiency and effectiveness. This program assists the faculty and administration in translating educational policy into educational process and practice. It assists the instructors in formulating objectives, analyzing the learning skills, designing the system of learning, implementing, testing the outcome, and in revising the learning experience in keeping with the results of the evaluation. Staff affiliated with the various programs in the Learning Resources Center acquires and produces learning materials for students related to the curricula of the four schools and provides excellent facilities for self-pace learning.

The Medical Library

The Library is another facility that plays a major role in supporting the instructional, patient care and research programs of the medical complex. The Library is housed on the second, third and fourth floors of the Kresege Learning Resources Center and contains 40,000 volumes, 2,000 audiovisuals and receives 975 current journal and serial subscriptions. Other library facilities include four (4) group study rooms, two (2) conference rooms, one (1) typing room equipped with four (4) typewriters, several reading rooms equipped with tables, 106 carrels, three (3) terminals for computer assisted instruction, a variety of audiovisual equipment, thirty-one (31) research cubicles, lounges, a reading laboratory, technical and public service areas and staff space.

Materials unavailable in the Meharry collection are obtained from other

libraries via the document delivery service. This service enables Meharry users to obtain materials from the Joint University Libraries (Peabody, Scarritt, Vanderbilt including the Medical and the Science and Technology Libraries). Fisk University, Tennessee State University, and eleven (11) resource libraries of the Southeastern Regional Medical Library Program (SERMLP), a federally funded health-science library and information program designed to serve health care practitioners in the states of Alabama, Florida, Georgia, Mississippi, South Carolina, Tennessee and the territory of Puerto Rico.

The Media Library

The Media Library is also in the Learning Resources Center and is housed on the sixth floor. It consists of five rooms occupying approximately 2,800 square feet. The inventory of equipment in the Media Library include forty-four (44) 35 mm slide projectors, 20 audiotape players, four video cassette players with monitors, a portable record player and eight oscilloscopes.

Of the 50 carrel facilities in this library, 34 are multimedia tutorial environments equipped with various combinations of random access and conventional slide projectors, 8 mm cartridge film projectors, oscilloscopes and television monitors. Three carrels provide computer access, two by cathode ray terminal and one by Telex print-out terminal.

The Biomedical Communications Unit

Another division in the Learning Resources Center is the Biomedical Communications Unit which provides services in the areas of audiovisual production, photography, and cinematography, graphic arts and illustrations, instructional television and maintenance equipment.

The Computer Center

This two story building was specifically designed to house the College's computer facilities. The Center has two large computers. One, a Burrough 3500 used for financial and accounting functions of the College. The other, a Sigma 7, with 256 K Bit Core, 50 M Bit Disc, 4 tape drives, card reader, line printer, A/D convertor and digital input and output lines, is used to support research programs at the College. It can also be used for simulations of bio-medical systems, mathematical models, statistical analysis, data reduction and data analysis.

B. Specific Interest in the Problem

Meharry has trained a significant number of students from Africa and is particularly suited to providing health care delivery assistance to African countries for several reasons:

- 1) It has a long history of effective outreach health programs with disadvantaged black population groups in both urban and rural settings in the southeastern U.S., where sensitivities to family planning and population activities are comparable to the attitudes found in many African countries.
- 2) Conditions existing in many rural southern situations closely approximate those found in some of the African countries, i.e., low economic levels, trained health manpower shortages, a lack of domestic and community sanitation and consequently a high incidence of infectious disease and malnutrition.
- 3) More than 200 persons from eighteen African countries have participated in the MCH/FP Programs and nutrition

workshop.

- 4) Training manuals in mch/fp and nutrition planning have been developed to serve as a resource guide for persons in those areas.
- 5) The important "linkage experience" involves the Botswana-Meharry-AID Project.

Since 1973 the Botswana/Meharry/USAID Maternal and Child Health/Family Planning Project has progressed toward the following objectives:

- a) To develop a public health, maternal and child health, and family planning in-service training program for enrolled and registered nurses.
- b) To prepare an integrated curriculum for use in basic nurse training schools and assist in incorporating it into existing nurse training programs.
- c) To develop field training facilities and field practice areas needed to support the health training program.
- d) To train a selected tutorial staff to continue use of the integrated health curriculum.
- e) To help establish an effective post-natal family planning service in government training hospitals.
- f) To establish a functioning education unit with a trained local staff capable of serving health needs, including maternal and child health/family planning and preventive

health.

The Meharry Medical College Field Staff for the Botswana Project has included three senior public health nurses, a health educator, and an administrator. They have been assisted by Meharry and MCH/FP Center administrators and consultants under contract with the grant over the last five years. Through their efforts, in collaboration with the Government of Botswana and USAID, the project is on target in meeting contract objectives, when funding terminates September 30, 1978.

With respect to in-country training by the public health nurses on the Meharry Field Staff, as of September 1, 1978, a total of 412 nurses will have received Botswana-Meharry In-Service program certificates in Public Health, Maternal and Child Health and Family Planning, (Registered Nurses - N=182 + Enrolled Nurses N=230, Total 412) and the twelve week classes offered in the Fall, 1977 and the Spring, 1978 were expected to provide training for between 90-95% of the nurses in Botswana. Out-of-country training has yielded two B.S. degrees in Nursing; two B.Sc. degrees in Health Education, two diplomas in Nurse Tutor training; the completion of two persons of short-term courses in MCH/FP Evaluation and Administration. Current Botswana population participants include: 4 candidates for B.S. degree in Nursing; 1 candidate for B.S. degree in Health Education; 2 Master's degree candidates in Education and Public Health Nursing; 2 candidates for a Nurse Tutor diploma; and 5 candidates in a family nurse practitioner training program. The MCH/FP Center also provided 4½ months of MCH/FP training and certificates to twenty-three participants from 1973 to 1976.

- 6) For several years, Meharry has been oriented toward infectious disease control, the improvement of the nutritional status of populations, and community service utilizing para-

medical personnel in the provision of maternal and child care and family planning.

7) Multidisciplinary teams in the various departments have engaged in numerous evaluation and research activities such as:

- a) A long-term, multifaceted study of unmet needs for health care and service.
- b) A study of hypertension which examined the epidemiology of hypertension in predominantly black poverty communities.
- c) A study of Consumer Satisfaction with health services.
- d) A Vital Statistics monitoring study which involved the collection of time series data on births, deaths, and perinatal deaths in three geographic areas.
- e) A Standard of Care Study.
- f) A Health Systems monitoring study which focused on the structure and process of different health services programs.
- g) A study of the interrelationships of training and service programs.
- h) Evaluation of Meharry's Nurse Practitioner Program.
- i) The effects of oral contraceptives on the nutritional status of women.

- i) Analysis of the 10 State Nutrition Survey
- j) International Efforts in Family Planning Training
(published in the Southern Medical Journal).

The above activities reflect Meharry's continued interest and long-term commitment to the improvement of maternal and child health/family planning services in developing countries in Africa.

C. Meharry's Contributions

The 211(d) grant will be used to develop and strengthen Meharry's multidisciplinary capacity in maternal child health/family planning and provide a base for training, research and technical assistance. This in turn will enhance the College's ability to assist developing countries in the area of MCH/FP with secondary emphasis on applied nutrition and medical ecology. (Family Planning Services are presently sponsored by the College in the Comprehensive Health Center and the Matthew Walker Neighborhood Health Center.)

In carrying out the activities of the institutional development grant, Meharry will provide human and fiscal resources to this effort as reflected in existing programs. Meharry will also provide through its on-going programs access to considerable research efforts in health care delivery conducted by multidisciplinary teams. Excellent laboratories, computers and library facilities are available to support the activities of this grant. Meharry's multi-disciplinary programs are well suited to the needs of persons from less developed countries. Major research facilities are located in the Kresge Resources Center (and the participating units) and provide a sound operational base for staff development, training and research.

The grant will be used to develop and strengthen Meharry's response capabilities in MCH/FP and applied nutrition. Activities supported by the grant will be complimentary to existing programs. The presence of such supporting programs already in existence will contribute to rapid and efficient development of the grant objectives.

In summary, Meharry's contribution to the institutional development grant will be as follow:

- 1) Use of facilities and equipment in clinics, laboratories and libraries, heat, light, maitnenance, classroom, transportation, \$375,000 over a five year period.
- 2) Office space for faculty members, participants, guest lecturers, visitors, and other in-kind as required in training of Meharrians.
- 3) Administrative and technical assistance and supervision, including physicians, technicians, meetings, etc., estimated value \$60,000 yearly times 5 equals \$300,000.

D. Administrative Organization

Authority to initiate, implement and evaluate the grant activities has been delegated by the President of Meharry Medical College to the Dean of the School of Graduate Studies and Research. The organizational structure for program activities is shown in figure 2, page 19.

The program activities will be administered through the regular administrative framework of the College and the International Center for Health Sciences. The International Center for Health Sciences consists of a director (doctoral level), clinical director (obstetrician), nurse mid-wive (master's level), two family nurse practitioners (master's level), one pediatric nurse practitioner, one behavioral scientist (master's level), an assistant administrator (master's level), and one nutrition planner (master's level), all of whom have participated in the training of participants from LDCs.

Their efficiency has been augmented by the accumulated experiences of former staff members, some of whom are utilized as consultants to the Center.

In order to effect maximum coordination of multidisciplinary efforts, the Director of the International Center for Health Sciences will be responsible for the administration and coordination of the grant activities. She will report directly to the Dean of the School of Graduate Studies and Research who is directly responsible to the President of the College.

In maintaining a multidisciplinary focus, the project director will also work very closely with the Core Chairmen of the Departments of OB/GYN and Pediatrics and the Director of the Bio-Medical Ecology Division and appropriate persons in other elements of the College and at other academic units of the North Nashville complex. The present project director also holds an academic appointment in the Graduate School's Division of Bio-Medical Ecology.

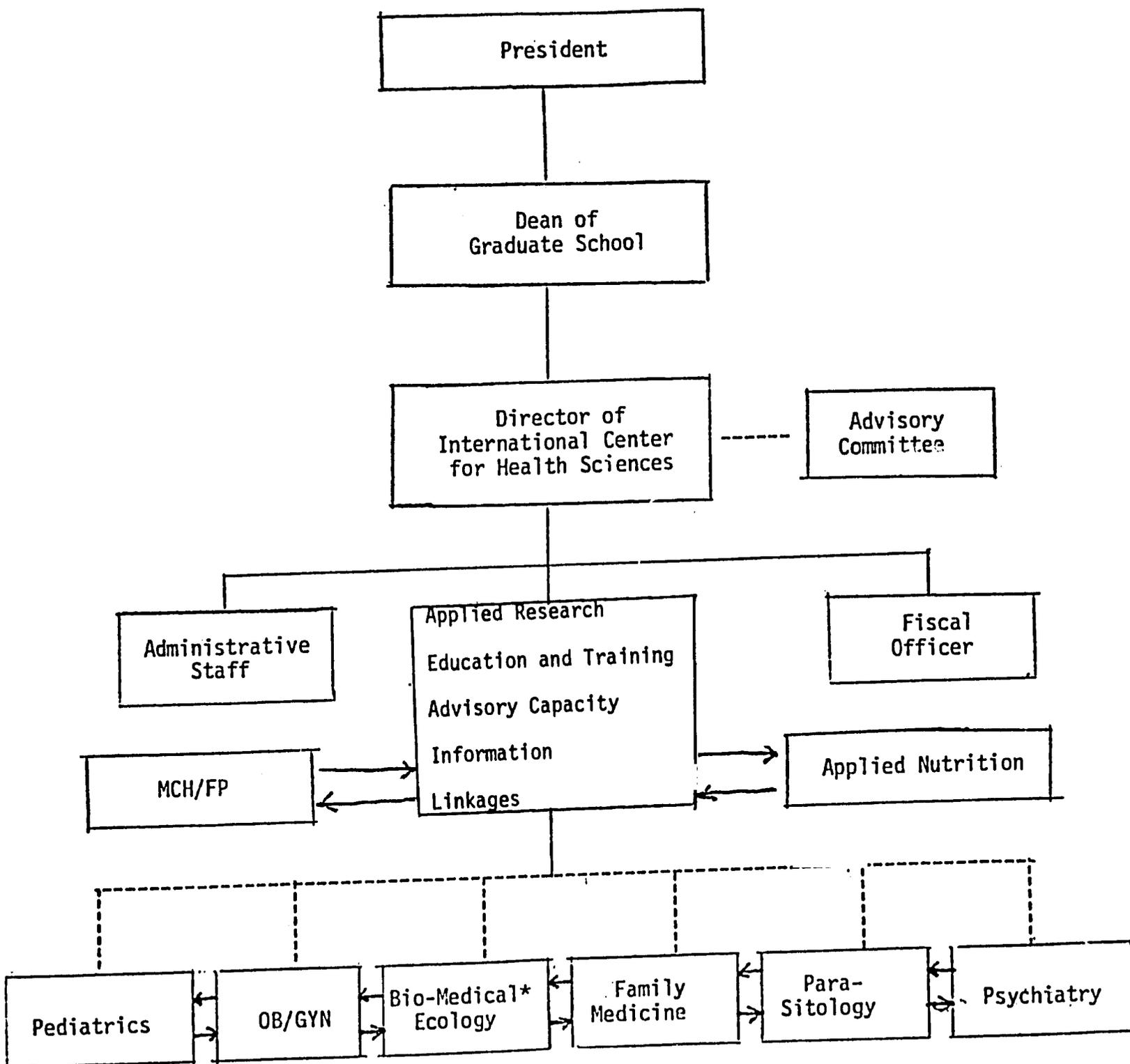
The management of grant expenditures and fiscal reports will be carried out by the fiscal officer at the International Center for Health Sciences, while the semi-annual reports of the grants activities will be submitted by the Project Director. All expenditures will be exercised by the College.

E. Program Advisory Committee for the Center

This committee has been appointed by the Dean of the School of Graduate Studies and Research with nominations from various individuals in official capacities. Representation from disciplines of particular interest to the Center and its areas of major emphasis has been an important consideration in determining the composition of this committee. Further, the nature of the committee composition enhances the potential for total

integration of educational and research activities of the Center with relevant areas from other units of the College and the total university community which will allow for increased and appropriate communication and utilization of talents, skills and expertise not immediately present among members of the core staff of the Center. Advisory Committee members, during their regular quarterly meetings will propose and assist in the development of appropriate programs as related to expressed needs and objectives of the Center. The Advisory Committee will also provide continuous evaluation, utilizing outside consultants for objective study when indicated, of all programs developed and maintained by the Center. It is also expected that some members of the Committee will advise and solicit other support for various Center programs.

211(d) GRANT ORGANIZATIONAL SCHEMA



*The Bio-Medical Ecology Division will play a very special role in that persons affiliated with this unit will employ a systems approach to determine the interrelationships between and among the participating units and the affects of these interrelationships on the implementation of the 211(d) Grant activities.

III. Purpose, Objectives and Outputs

A. Purpose

The purpose of this grant is to create, adapt, and strengthen the multidisciplinary capacity of Meharry Medical College to make available on request and to offer its capabilities, facilities and specialized knowledge in (I) MCH/FP with secondary attention to (II) applied nutrition and bio-medical ecology considerations to selected LDCs. Without the assistance of the 211(d) grant, Meharry's competence in these areas would not be sufficient to meet the needs of the LDCs, AID and other donors.

For seven years Meharry has successfully trained more than 200 persons in MCH/FP and nutrition planning. Meharrians would like to create and strengthen multi-disciplinary activities in these areas and develop applied interdisciplinary programs in medical ecology. The creation and strengthening of activities in these areas will require additional fiscal and human resources. The 211(d) Grant will enable selected Meharrians to contact, consult, and interact on a more effective basis with health care personnel in developing countries.

This multi-disciplinary capability will require the development of a competent core of persons with expertise in training, advising, sector analysis, project design and implementation, research and evaluation. As a result of this grant, Meharry can be expected to serve the projected MCH/FP and applied nutrition needs and become a leading Center for U.S. competence in these areas.

Grant activities will focus primarily on MCH/FP, and secondarily on applied nutrition and nutrition planning, with bio-medical ecology considerations. The general plan is to strengthen the existing competence of Meharry and associated universities to identify the current needs in these areas in selected LDC's. Once competence is strengthened and needs are clearly identified, services to developing countries can be initiated, implemented and evaluated with greater scientific reliability and practical utility.

B. Major Objectives

The 211(d) Grant will widen the capabilities of Meharry to respond to the needs of selected LDC's in MCH/FP, and applied nutrition with bio-medical ecology perspectives. Meharry's competency in these areas will be greatly enhanced with the realization of the following objectives:

- 1) To expand the research capacity and relevancy of professional knowledge of selected Meharrians by providing opportunities for problem orientation visits to selected LDC's.
- 2) To increase the education and training capacity of Meharry by: a) modifying the curriculum to improve course and program offering in International Health Care Delivery; b) scheduling regular workshops and seminars that will assist in the revision and expansion of the scope of existing programs; and c) developing a curriculum leading to an interdisciplinary certificate and master's degree.
- 3) To strengthen the skills of Meharrians in the area of problem identification, sector analysis, project design and implementation, research and evaluation to respond to the requests of AID and LDC's.
- 4) To increase the capacity of the medical library through the acquisition of pertinent books and journals and develop an African Resource Clearinghouse for the exchange of research data in MCH/FP with secondary attention to applied nutrition and bio-medical ecology considerations.

- 5) To develop and strengthen networks of world-wide institutional and individual linkages in MCH/FP, applied nutrition and bio-medical ecology. This includes the establishment of a linkage with one regional or other institution in Africa.

Each participating unit at Meharry, and associated institutions will identify persons who will participate in a multi-disciplinary team. This will be a person who is: 1) able to travel internationally on the needs assessment assignments; 2) interested in further training in project design, sector analysis, research and evaluation to enhance capability to provide training and technical assistance to health personnel from LDC's; 3) able to carry-out research projects related to the needs of Meharry and the LDC's; 4) interested in and able to participate in workshops, seminars, conferences and consultations when requested by AID and African institutions. Selected persons will contribute individually as well as collectively in realizing several outputs.

C. Outputs

Output 1: Expanded Knowledge Base and Research Capability. The knowledge base and research capability of selected Meharrarians will be greatly expanded. In order to accomplish this, it will be necessary to conduct a "state of the arts" survey to secure accurate information with respect to MCH/FP and applied nutrition, with consideration of bio-medical ecology perspectives. Data generated by these "state of the arts" surveys will enable Meharrarians to: 1) identify the extent and kinds of needs there are in selected LDCs and demographic economical and enviromental factors influencing them; 2) develop maternal child health, and nutrition plans; and 3) design training programs and short-term advisory

services in light of maternal child health and nutrition needs and utilization patterns. As a result of research efforts in these areas, the knowledge base of Meharrians will be expanded to include those practices, experiences and approaches that have been tried with varying success in developing countries.

Grant funds will be used to support: 1) travel costs and other expenses incurred in the "state of the art" surveys; 2) publication of findings; 3) the acquisition of relevant literature; 4) an evaluation of the adaptability of Meharry's current knowledge and technology to health problems in LDC's; and 5) appropriate and relevant research as determined through cooperative endeavors involving AID Bureaus and governmental institutions in selected LDC's.

Output 2: Increased Education and Training Capabilities. There will be several activities to increase the educational and training capabilities of Meharry. Insight gained by Meharrians through literature surveys, on-site problem orientation visits, and consultations will readily lend itself to the enrichment of course and program offerings and the development of new curricula at various levels.

Other areas of development will include:

- 1) An expansion of present competence through the utilization of past experiences and the designs of applied programs aimed at resolution of key health sciences problems which may be impeding economic and social progress in less developed countries (LDC's), e.g., infant mortality rate, fertility rate and malnutrition.

- 2) The strengthening of the capability of the institution by integrating didactic and practical experience into relevant parts of a general academic regimen as a visible and permanent part of the whole.
- 3) The development of skills and knowledge of health personnel in the U.S. and LDC's through the establishment of inter-disciplinary training programs at the certificate and graduate degree levels in MCH/FP and nutrition, and in consideration of bio-medical ecology perspectives.
- 4) An increase in the knowledge and skills of ten (10) health science students from the U.S. and LDC's presently enrolled at U.S. institutions through the organization of summer academic programs. These programs (MCH/FP, applied nutrition, will be developed as education and research adjuncts to regular academic plans for the students each summer.
- 5) An increase in the depth and diversity of core persons to include desirable and applicable areas not presently available for responsible interdisciplinary approach. This will also include the integration of appropriately qualified and interested faculty and students from other discrete units of the College into selected research and educational activities (e.g., demographic studies, socio-economic development and analysis).

- 6) The training of personnel as "trainers" and "deliverers" in the area of MCH/FP and applied nutrition with bio-medical ecology considerations. Training programs to be developed include short-term (certificate) for "primary-level providers" and graduate level programs for planners, supervisors, and/or educators.

With reference to nutrition planning and bio-medical ecology, a clinical nutritionist will be added to the department of OB/GYN and an anthropologist/nutritionist will be added to the Division of Bio-Medical Ecology. Additional professional personnel acquired will be organized in association with similarly qualified individuals holding appointments at Meharry Medical College, Fisk University and Tennessee State University. Through regularly scheduled workshops, the following kinds of developmental activities will be considered: a) techniques and methodology of nutrition surveys; b) relation of nutrition to socio-economic development; c) techniques and methods of improving nutrition; d) improved capabilities in planning and design of nutrition components into programs of integrated rural health delivery systems and development programs; e) socio-cultural aspects of health; and f) health care utilization patterns, infant mortality/morbidity rates.

Utilizing previous experiences and expanded professional competence, Meharrians will revise and expand the scope (in an interdisciplinary manner) of its existing training programs for African professionals of government agencies (and private voluntary agencies approved by host governments and AID) who are responsible for the design and implementa-

tion of and training for community nutrition and ecology, maternal child health/family planning and basic health programs.

Through its own activity and the discriminating use of consultants, the core staff will also develop a special curriculum leading to an interdisciplinary degree at the masters level in International Health, with emphasis on one of the component areas. The component areas include nutrition in its various forms, MCH/FP, health care delivery, etc. Limited presentations in sociology and pertinent presentations in agricultural sciences will also be included. In addition to trainees recommended by AID and governments of LDC's, students will be recruited for education from selected groups presently enrolled in academic programs at Meharry Medical College, Fisk University and Tennessee State University, as well as other U. S. institutions, particularly those located in the Southeastern United States. Adequate space and facilities are currently available for support of these activities. Initiation of such a program would increase the institution's potential for acquiring additional support funds.

Output 3: A Strengthened Advisory Capacity. Considerable attention will be directed towards improvements in problem identification, sector analysis, project design and implementation, research and evaluation to enable core persons to respond to the requests of AID and LDC's approaches. in the areas of MCH/FP, applied nutrition, and medical ecology/ In order to up-grade faculty skills in these areas, grant funds will be used to support faculty training. The major activities to be supported by the grant will include: 1) one-week training courses in project design and evaluation for four persons sponsored by AID; 2) training in French and Kiswahili for core staff at Meharry; 3) the introduction of new family planning techniques; 4) the provision of short-term technical consulta-

will be summarized and mailed to the participants and AID missions.); and
4) sponsor a MCH/conference at Meharry or an institution in Africa during the fifth year to discuss practices, experiences and approaches in MCH that have been tried with varying success.

Output 5. Expanded Linkages and Networks. Relationships will be developed with MCH/FP institutions and organizations to widen the base of expertise at Meharry Medical College in MCH/FP.

In order to accomplish this effort the following activities will be carried out to develop worldwide linkages and networks:

- a) The development of a linkage with one (1) regional institution in Africa. This would involve the establishment of ties with one (1) regional institution during the first year to provide feedback information on MCH/FP needs in training education and research. This should lead to the strengthening of the capacity of Meharry to make available on request and to offer its specialized knowledge in MCH/FP to selected LDCs. After linkage agreement has been signed the first year, annual visits will be made to initiate cooperative relations for purposes of faculty exchanges, manpower pooling, joint research, data exchange, program coordination with associated local institutions, donor agencies and LDCs to provide important linkages for African problem orientation and expediting needs assessment efforts in LDCs. This would also lead to a lasting institutional involvement and commitment to shared interests and programs.
- b) Ties will be established with selected U. S. institutions and firms involved in MCH/FP and applied nutrition during the first six months

tion and assistance to African governments in MCH/FP, applied nutrition and medical ecology approaches; 5) assisting selected LDCs in the development of plans and health sciences resources for early implementation and maintenance of programs.

It is anticipated that within 6 months after grant funding there will be short-term advisory services available in MCH/FP, applied nutrition, and medical ecology approaches. It is expected that requestors of these services will pay the costs of travel and per diem to conserve limited grant resources. As funds become available from other sources, they will be used to support these kinds of activities.

Output 4: Expanded Information and Dissemination Capacity. An African Resource Clearinghouse for the exchange of research data in MCH/FP, applied nutrition and medical ecology will be developed in the International Center for Health Sciences. This will include an inventory of approaches to maternal child health care delivery in Africa, demographic, economic and environmental factors influencing these approaches, maternal child care utilization patterns and trends, maternal child health status of samples in selected LDC's, and a cataloging of institutions and individuals conducting research in MCH/FP. A semi-annual newsletter to selected LDC's will be used to provide current information of activities in MCH/FP.

Funds from this grant will also be used to: 1) develop training packages in MCH/FP and applied nutrition planning; 2) sponsor a one-week MCH refresher workshop for 20-25 participants to be held in Africa beginning with year two; 3) sponsor a one-week nutrition refresher workshop for 25 participants to be held in Africa beginning year two (funds for activities in 2 and 3 will be used to support Meharry or associated institutions' travel and per diem only). (Proceedings from these workshops

of the first year to expand the knowledge base of Meharry personnel. This will contribute directly to strengthening desired elements of institutional response capability in MCH/FP.

- c) The strengthening of linkages with USAID regional bureaus.
- d) The development of ties with Southeast Consortium for International Development.
- e) Play an active role in professional organizations concerned with International Development .. (e.g. A.P.H.A.)
- f) Initiate contacts with the World Bank Group, the Food and Agriculture Organization (FAO), United Nations Educational, Scientific and Cultural Organization (UNESCO), and World Health Organization (WHO) during the first three months of the grant period to broaden the base of expertises at Meharry Medical College in MCH/FP.

D. Statement of Scope

1. Meharry's response capability in MCH/FP will involve a multidisciplinary team. Core team members will be selected from OB/GYN Department, Bio-Medical Ecology Division, Family Medicine, Pediatrics and the International Center for Health Sciences. Members of this team will work closely with the Project Director and collectively analyze information, initiate and implement research studies and short-term advisory services and to plan conferences and services.
2. Initial thrust:
 - a. Review of relevant literature and contacts with selected institutions and individuals in MCH/FP. This will include current practices, experiences, and approaches in MCH/FP in selected countries in Africa.

3. LDC needs assessments. Members of the core team will travel to selected institutions in LDCs to identify extent and kinds of needs and health utilization patterns.
4. After the establishment of an adequate data base and the identification of gaps in knowledge, plans for staff training will be developed to increase Meharry's capabilities in advising, training, and research in MCH/FP.
5. Staff training in problem identification, problem analysis, research methodology, program evaluation and French.
6. Development of African Resource Clearinghouse, MCH/FP plan, training manuals in MCH/FP and applied nutrition.
7. Short-term advisory services to selected LDCs.
8. Development of guidelines for MCH/FP and applied nutrition curriculum.

E. Critical Assumptions

1. That AID will procure and utilize the increased capacity and capabilities of the College in connection with its LDC programs.
2. Selected LDCs will be receptive to our needs assessment and other efforts.
3. That cooperation and participation will continue among the relevant units within the Medical College.
4. By the end of the grant period Meharry Medical College will assume total financial responsibilities. In connection with this Meharry will solicit from other donors.

F. Financial Plan

A five year financial plan is presented in figure 3 by major costs elements and objectives/outputs. Meharry's contribution to the 211(d) has already been discussed in Section II.

G. Additional Funds

It is anticipated that additional fiscal resources will be generated

during the life of this grant. Contacts will be initiated with The World Bank Group, FAO, United Methodist Church, Catholic Relief Society, and WHO.

H. Utilization (End of Grant - Institutional Status)

The skills and knowledge gained by Meharrians under this grant will facilitate the following outputs:

1. An African Resources Clearinghouse in MCH/FP will provide resources inventories and bibliographies to the LDCs.
2. Strengthened and expanded curriculum, research and training programs in MCH/FP, applied nutrition and bio-medical ecology will be available to U.S. and LDC students.
3. Meharrians will be able to provide training and short-term advisory services for LDCs in MCH/FP.
4. Meharry will be able to assist LDCs with advice concerning the development of curricula and training programs in MCH/FP, applied nutrition and bio-medical ecology.
5. Current practices, experiences and approaches will provide state of the art information on MCH/FP which will be useful for LDCs, international centers and U.S. institutions involved in this area.

Funds from other sources will be sought to continue the above activities since they will significantly enhance Meharry's capabilities in MCH/FP and meet the MCH/FP needs of LDCs, AID and other donors.

I. Role of Women

In Africa, preference is given to males for education and employment as cultural and religious traditions dictate that girls should stay at home to help their mothers. The recognition to educate women in better health care for themselves and their families has increased over the years. In many areas of Africa less exposed to health and family planning information and services, women do not have much time for activities other than housekeeping, child rearing, and agricultural work.

The answer is not simply to offer better methods of health care and family planning to women in urban and rural districts. Rather, more emphasis should be given toward training African women so that they may better communicate to their own country-women the knowledge which will insure proper health care for their families. This grant will make a contribution in this area because of the role women will have providing services. Many of the persons benefited by the grant will be midwives and nurses, the majority of whom will be women. Many of the staff persons in the hospitals, MCH Centers and Maternity Centers will also be women.

In addition to the program staff, it is important to consider the potential affect which the acceptance of family planning services will have on the lives of individual women patients. Perhaps for the first time they will have the opportunity to exert some control over one aspect of their lives (i.e., child-bearing) which here-to-fore had been considered inevitable and uncontrollable.

The freedom gained from this ability should have a positive and constructive influence on the traditional role of women in developing countries in Africa.

IV. Evaluation and Reporting

A. Reports

An annual report will be submitted within 30 days after completion of each of the first four years of the grant or other mutually agreed upon time-period to the Grant Project Officer. The annual report will provide information with respect to five output indicators, and recommendations and conclusions based on experiences and results obtained. Information concerning the remaining grant period and beyond will also be discussed.

A statement of major accomplishments under the grant, in terms of each of the targeted outputs will be submitted to the Grant Project Officer within three months after the expiration of this grant.

B. Evaluation

At a mutually agreed upon date between the first year and year and a half of grant operations, appropriate representatives of Meharry will be prepared to meet with AID officials to review and reassess the statement of the grant purpose, the specific objectives/outputs to be produced, their magnitude and timing, means of verification or progress and completion and critical assumptions. At this meeting, Meharry and AID may agree that specific objectives/outputs should change in priority, in scope or direction, or remain as originally contemplated. This review will also include a presentation and analysis of the grantee's basic approach and methodology, the need for action by AID or other organization outside the control of the grantee, and any need for revision of grant objectives and outputs.

An AID team will be invited to meet appropriate Meharrians during the fourth year to jointly review performance and grantee accomplishments with emphasis on new knowledge and opportunities, linkages, and actual and potential use of institutional capacity. At that time Meharry will be prepared to discuss grant expiration, revision and/or alternatives as deemed appropriate and within the framework of current AID policies and priorities and LDC needs.

It is envisioned that after five years: (a) Meharry will be recognized internationally as a leading U.S. Center for information, expertise, and an applied research and development capability related to MCH/FP in developing countries in Africa; (b) this expertise and orientation will be absorbed into the academic mainstream of the College; (c) there will be a continuing and significant involvement of Meharrians with LDC and international organizations; and (d) financing will be available for sustaining selected program elements.

To assess progress toward achieving these objectives during the life of the grant, preliminary milestones and work plans have been established for each of the five output areas. Detailed work plans will be submitted 60-90 days after the project has been approved by AID. One of the first tasks to be

undertaken by the College is development of baseline information to establish the magnitude and nature of current activities in each of the five areas, and against which future progress can be measured. This data will be incorporated into the work plans and project worksheets and distributed for the 18-month review.

GRANT SUMMARY BUDGET
(ILLUSTRATIVE)

| <u>INPUTS</u> | YEAR 1 | YEAR 2 | YEAR 3 | YEAR 4 | YEAR 5 | TOTAL |
|--|------------------|------------------|------------------|------------------|------------------|--------------------|
| 1. Salaries and Wages | \$135,000 | \$136,000 | \$138,000 | \$140,000 | \$143,000 | \$ 692,000 |
| 2. Student Support | 15,000 | 15,000 | 15,000 | 15,000 | 15,000 | 75,000 |
| 3. Library | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 15,000 |
| 4. Computer Time | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 10,000 |
| 5. Travel | 45,920 | 45,920 | 46,000 | 46,000 | 46,000 | 229,840 |
| 6. Equipment and Supplies | 10,080 | 9,080 | 7,000 | 5,000 | 2,000 | 33,160 |
| 7. Staff Development and Training, Workshops, etc. | 20,000 | 20,000 | 20,000 | 20,000 | 20,000 | 100,000 |
| 8. Publications Brochures, Newsletters, Training Manuals | 8,000 | 8,000 | 8,000 | 8,000 | 8,000 | 40,000 |
| 9. Other Direct Costs (e.g., postage, telephone, cables, etc.) | 11,000 | 11,000 | 11,000 | 11,000 | 11,000 | 55,000 |
| TOTAL | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$250,000 | \$1,250,000 |

figure 3

GRANT SUMMARY BUDGET
(ILLUSTRATIVE)

| <u>OUTPUTS</u> | YEAR 1 | M/M | YEAR 2 | M/M | YEAR 3 | M/M | YEAR 4 | M/M | YEAR 5 | M/M | TOTAL |
|--|------------------|-----|------------------|-----|------------------|-----|------------------|-----|------------------|-----|--------------------|
| 1. Research | \$ 70,000 | 20 | \$ 70,000 | 20 | \$ 70,000 | 20 | \$ 70,000 | 20 | \$ 70,000 | 20 | \$350,000 |
| 2. Education & Training | 100,000 | 30 | 100,000 | 30 | 106,000 | 30 | 107,000 | 30 | 108,000 | 30 | 521,000 |
| 3. Advisory Capacity | 40,000 | 6 | 45,000 | 6 | 45,000 | 6 | 45,000 | 6 | 45,000 | 6 | 220,000 |
| 4. Information Capacity (Clearinghouse, Newsletters, etc.) | 25,000 | 4 | 30,000 | 4 | 25,000 | 4 | 25,000 | 4 | 25,000 | 4 | 130,000 |
| 5. Linkages & Networks | 15,000 | 3 | 5,000 | 2 | 4,000 | 1 | 3,000 | 1 | 2,000 | 1 | 29,000 |
| TOTAL | \$250,000 | | \$1,250,000 |

Meharry's contribution for overhead and equipment of participating units is \$598,295.00.

M/M=Man Months

Project Purpose I: To create, adapt, and strengthen the multidisciplinary capacity of Meharry Medical College to make available on request and to offer its specialized knowledge in MCH/FP to selected LDCs.

Output #1: Expanded Knowledge Base and Research Capability in MCH/FP

a) A state of arts survey in Maternal Child Health in selected LDCs conducted.

b) Clearinghouse for literature on MCH/FP established.

c) Semi-annual newsletter on current MCH/FP activities instituted.

d) MCH/FP training manual completed.

e) MCH/FP course at the certificate level completed for American and African students during the summer (6 weeks, 10 students each).

Output #2: Increased Education and Training Capabilities

a) Curriculum Development

1. Inter-disciplinary program at the certificate level in MCH/FP completed.

2. A six (6) weeks course in planning and management of MCH/FP programs completed (6-10 students each)

b) Faculty Development

1. Problem orientation visits to Africa completed (2-3 weeks each).

2. Workshops and mini-courses in problem identification, sector analysis, project design and implementations taken by Meharry personnel completed (6-10 students each)

3. Selected personnel trained as trainers in MCH/FP.

4. Appropriately qualified and interested faculty and students from various units of the college integrated into selected research. (e.g.) demographic studies, socio-economic development studies, etc. (Studies Completed)

| | YEARS | | | | | <u>TOTAL</u> |
|----|-------|---|---|---|---|--------------|
| | 1 | 2 | 3 | 4 | 5 | |
| a) | 1 | | | | | 1 |
| b) | 1 | | | | | 1 |
| c) | 1 | | | | | 1 |
| d) | | | 1 | | | 1 |
| e) | 1 | 1 | 1 | 1 | 1 | 5 |
| | | | | | | |
| a) | | | | | | |
| 1. | 1 | | | | | 1 |
| 2. | 1 | 1 | 1 | 1 | 1 | 5 |
| | | | | | | |
| b) | | | | | | |
| 1. | 3 | 2 | 2 | 2 | 2 | 11 |
| 2. | 6 | 6 | 6 | 6 | 6 | 30 |
| 3. | | 5 | 5 | 5 | 5 | 20 |
| 4. | | | | | | |
| | | | 2 | 1 | 1 | 4 |

| | YEARS | | | | | <u>TOTAL</u> |
|--|-------|---|---|---|---|--------------|
| | 1 | 2 | 3 | 4 | 5 | |
| Output # 3: A Strengthened Advisory Capacity ¹ | | | | | | |
| a) Four persons completed intensive training in French. | | 4 | | | | 4 |
| b) Two persons completed intensive training in Swahili. | | 2 | | | | 2 |
| Output #4: Expanded Information and Dissemination Capacity | | | | | | |
| a) Clearinghouse for literature on MCH/FP established. | 1 | | | | | 1 |
| b) Cataloging of institutions and individuals conducting research in MCH/FP completed. (Updates done annually) | 1 | | | | | 1 |
| c) Semi-annual newsletter to LDCs and IAD on current activities in MCH/FP established. | 1 | | | | | 1 |
| d) Training manual on MCH/FP completed. | 1 | | | | | 1 |
| e) MCH/FP refresher workshop completed in Africa for 20-25 participants. | | 1 | 1 | 1 | 1 | 4 |
| Output #5: Expanded World Wide Linkages and Networks | | | | | | |
| a) Visits completed to establish linkages. | 2 | | | | | 2 |
| b) Agreements signed. | 1 | | | | | 1 |

¹All of the activities under output #2 will contribute to a Strengthened Advisory Capacity.

| INPUTS - Project Purpose I (MCH/FP) | BUDGET YEARS | | | | | <u>TOTAL</u> |
|--|-----------------|-------|-------|-------|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | |
| 1. Salaries and wages | \$89,996 | | | | | \$449,980 |
| 2. Student Support | 10,000 | | | | | 50,000 |
| 3. Library | 2,000 | | | | | 10,000 |
| 4. Computer time | 1,500 | | | | | 7,500 |
| 5. Travel | 35,920 | | | | | 179,600 |
| 6. Equipment & Supplies | 9,080 | | | | | 45,400 |
| 7. Staff Development and Training Workshops | 15,000 | | | | | 75,000 |
| 8. Publications, Brochures, Newsletters & Training Manual | 6,000 | | | | | 30,000 |
| 9. Other Indirect Costs e.g. Postage, Telephone, Cables, etc. | <u>9,000</u> | | | | | <u>45,000</u> |
| TOTAL | \$178,496 | ----- | ----- | ----- | ----- | \$892,480 |
| <hr/> | | | | | | |
| OUTPUTS - Project Purpose I (MCH/FP) | | | | | | |
| 1. Research | \$47,000 | | | | | \$235,000 |
| 2. Education & Training | 70,000 | | | | | 350,000 |
| 3. Advisory Capacity | 27,000 | | | | | 135,000 |
| 4. Information Capacity | 17,000 | | | | | 85,000 |
| 5. Linkages & Networks | <u>10,000</u> | | | | | <u>50,000</u> |
| TOTAL | \$171,000 | | | | | \$855,000 |

Project Purpose II: To create, adapt, and strengthen the multidisciplinary capacity of Meharry Medical College to make available on request and to offer its specialized knowledge in applied nutrition to selected LDCs.

| | YEARS | | | | | <u>TOTAL</u> |
|---|-------|---|---|---|---|--------------|
| | 1 | 2 | 3 | 4 | 5 | |
| Output # 1: Expanded Knowledge Base and Research Capability in Applied Nutrition. | | | | | | |
| a) State of the arts survey in applied nutrition in selected LDCs completed. | 1 | | | | | 1 |
| b) Semi-annual newsletter on current applied nutrition activities instituted. | | 1 | | | | 1 |
| c) Applied nutrition training manual completed. | | 1 | | | | 1 |
| d) Applied nutrition course at the certificate level (6 weeks for 10 students) completed. | | 1 | 1 | 1 | 1 | 4 |
| Output #2: Increased Education and Training Capabilities in Applied Nutrition | | | | | | |
| a) Curriculum Development | | | | | | |
| 1. Inter-disciplinary program at the certificate level in applied nutrition completed. | | 1 | | | | 1 |
| b) Faculty Development | | | | | | |
| 1. Problem orientation visit to Africa completed. | 1 | 1 | 1 | 1 | 1 | 5 |
| 2. Workshops and mini-courses on multi-sectoral nutrition planning, research and evaluation completed. (6 weeks for 10 students) | 3 | 3 | 3 | 3 | 3 | 15 |
| 3. Selected personnel trained as trainers in nutrition planning (people). | 3 | 3 | 3 | 3 | 3 | 15 |
| 4. Appropriately qualified and interested faculty and students from various units of the College integrated into selected nutrition research. (Studies completed) | | | 1 | | 1 | 2 |
| Output #3: A Strengthened Advisory Capacity in Applied Nutrition ² | | | | | | |
| Output #4: Expanded Information Dissemination Capacity | | | | | | |
| a) Semi-annual newsletter to LDCs and AID on current activities in applied nutrition established. | 1 | | | | | 1 |
| b) Training package in applied nutrition completed. | | 1 | | | | 1 |
| c) Refresher workshop in Africa in nutrition planning completed. (20-25 African participants) | | 1 | 1 | 1 | 1 | 4 |

² All activities under output #2 will contribute to a Strengthened Advisory Capacity.

| INPUTS - Project Purpose II (Applied Nutrition) | BUDGET YEARS | | | | | <u>TOTAL</u> |
|---|--------------|-------|-------|-------|-------|---------------|
| | 1 | 2 | 3 | 4 | 5 | |
| 1. Salaries & Wages | \$45,004 | | | | | \$225,020 |
| 2. Student Support | 5,000 | | | | | 25,000 |
| 3. Library | 1,000 | | | | | 5,000 |
| 4. Computer Time | 500 | | | | | 2,500 |
| 5. Travel | 10,000 | | | | | 50,000 |
| 6. Equipment & Supplies | 1,000 | | | | | 5,000 |
| 7. Staff Development & Training Workshops | 5,000 | | | | | 25,000 |
| 8. Publications, Brochures, Newsletters & Training Manual | 2,000 | | | | | 10,000 |
| 9. Other Direct Costs e.g. Postage, Telephone, Cables, etc. | <u>2,000</u> | | | | | <u>10,000</u> |
| TOTAL | \$71,504 | ----- | ----- | ----- | ----- | \$357,520 |

OUTPUTS - Project Purpose II (Applied Nutrition)

| | | | | | | |
|-------------------------|--------------|--|--|--|--|---------------|
| 1. Research | \$23,000 | | | | | \$115,000 |
| 2. Education & Training | 30,000 | | | | | 150,000 |
| 3. Advisory Capacity | 13,000 | | | | | 65,000 |
| 4. Information Capacity | 8,000 | | | | | 40,000 |
| 5. Linkages & Networks | <u>5,000</u> | | | | | <u>25,000</u> |
| TOTAL | \$79,000 | | | | | \$395,000 |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORKLife of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: _____Title & Number: Meharry MCH/FP/Nutrition Training & Development

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| BRIEF SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|--|---|--|---|
| <p>create, adapt & strengthen the multidisciplinary capacity of Meharry Medical College to make available on request and to transfer its capabilities, facilities, and specialized knowledge in MCH/FP with secondary attention applied nutrition and pre-medical ecology to selected LDC's.</p> | <ol style="list-style-type: none"> 1. Expansion of research capacity and relevancy of professional knowledge of selected Meharricans. 2. An increase in the education and training capacity of Meharry. <ol style="list-style-type: none"> a) improvement in course and program offering in International Health Care Delivery b) revision and expansion of the scope of existing programs c) interdisciplinary certificate and master's degree programs. 3. Strengthen skills in the area of problem identification, sector analysis, project design & implementation, research & evaluation. 4. Increase in capacity of medical library. 5. Increase in networks of world wide institutional linkages. | <ol style="list-style-type: none"> 1. Staff development activities. 2. Annual reports, on-site observation, course catalogues & brochures. 3. Participation in conferences, surveys, & workshops. 4. Newsletters, faculty & student exchanges. | <ol style="list-style-type: none"> 1. Planned inputs, activities and outputs will result in achievement of purpose. Appropriate policy, academic & administrative organization by Meharry Medical College 2. Some costs will be assumed by utilizers of services and other donors. 3. World-wide networks of institutional linkages will be of tremendous value. |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: _____

Title & Number: Meharry MCH/FP/Nutrition Project

| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|---|---|---|--|
| <p>A prototype training manual in:</p> <p>a. multi-sectoral nutrition planning</p> <p>b. family planning contraceptive techniques</p> <p>c. organization and management of MCH/family planning services</p> <p>Training programs developed and taught in:</p> <p>a. Nutrition planning at the community level;</p> <p>b. the delivery of MCH/family planning services.</p> <p>Staff advisory assistance provided to African governments and organizations in:</p> <p>a. nutrition planning at community level</p> <p>b. MCH/family planning delivery techniques, organization and management.</p> <p>Relevant research proposals and projects developed for funding from other sources.</p> | <p>-One nutrition manual</p> <p>-One MCH/FP manual</p> <p>-One nutrition workshop annually in Africa, about 20 participants lasting 3 weeks.</p> <p>-One MCH/FP workshop annually in Africa for about 25 students per workshop</p> <p>-about three person months of technical assistance in nutrition planning annually</p> <p>-about three person months of technical assistance in MCH/FP annually.</p> <p>-A minimum of two proposals written each year to funding sources other than AID.</p> | <p>Semi-annual and annual reports of grantee.</p> | <ol style="list-style-type: none"> 1. Meharry will retain staff continuity per budget. 2. Developing countries in Africa will request the assistance of Meharry consultants. 3. Selected Meharrarians will be effectively utilized in developing international health care curriculum at various levels. 4. AID will respond flexibly to internal budget adjustment requests if justified in terms of project objectives. 5. Training manuals will be relevant to African problems. |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: _____

Title & Number: Meharry MCH/FP/Nutrition Project

| BRIEF SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|---------------|-----------------------------------|--|--|
| D Grant | See financial plan | AID Grant Agreement and Obligating Documents Grantee Progress Report | <p>The Center will continue to be successful in obtaining support from the Meharry Medical College and other institutions interested in furthering the development and implementation of research projects in MCH/ family planning and nutrition.</p> <ol style="list-style-type: none"> 1. Meharry will provide administrative support and technical supervision during the life of the grant. 2. Meharry will waive the normal overhead costs during the life of the grant. 3. Meharryians will continue to have a keen interest in developing and strengthening their multi-disciplinary capabilities in MCH/FP. |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

C-4

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

Title & Number: Meharry MCH/FP and Nutrition Project

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| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|--|---|--|---|
| <p>Outputs:</p> <p>Which this project contributes:</p> <p>MCH/FP</p> <p>Output #1: Expanded Knowledge Base and Research Capability in MCH/FP</p> | <p>Magnitude of Outputs:</p> <p>a) A state of the arts survey in MCH/FP in selected LDC's during the first six months of the first year.</p> <p>b) MCH/FP curriculum at the certificate level during the summer (6 weeks) at the end of each year.</p> <p>c) MCH/FP training manual by the end of the second year.</p> <p>d) Clearinghouse for literature on MCH/FP by end of first year with update at end of second year.</p> <p>e) Semi-annual newsletter on current MCH/FP activities by end of first year.</p> <p>f) Minimum of one MCH/FP proposal submitted to another funding source each year.</p> | <p>Output # 1:</p> <p>a) State of the arts survey in MCH/FP.</p> <p>b) MCH/FP Curriculum</p> <p>c) MCH/FP training manual</p> <p>d) MCH/FP clearinghouse at International Center for Health Sciences</p> <p>e) Newsletter</p> <p>f) Proposals submitted</p> <p>g) Annual reports</p> | <p>Assumptions for achieving outputs:</p> <p>Output # 1:</p> <p>a) MCH/FP training manual will be relevant to the needs of LDC's, AID and other donor agencies.</p> <p>b) Students will enroll in the MCH/FP certificate level programs during the summer.</p> <p>c) Newsletter & State of the arts survey will be useful to LDC's, AID and other donors.</p> |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

Title & Number: Meharry MCH/FP and Nutrition Project

| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|--|---|---|--|
| <p>Outputs:</p> <p><u>MCH/FP Continued</u></p> <p>Output # 2:</p> <p>Increased Education and training capabilities</p> | <p>Magnitude of Outputs:</p> <p>Output # 2:</p> <p>a) Curriculum for an inter-disciplinary program at the certificate level in MCH/FP by the end of the first year</p> <p>b) A new 6-week course in planning and management of maternal and child health and family planning programs developed as an educational and research adjunct for ten students at the end of each year.</p> <p>c) Selected personnel trained as trainers and delivers in MCH/FP at the end of the second year.</p> <p>d) Integration of appropriately qualified and interested faculty & students from various units of the college into selected research (e.g. demographic studies, socio-economic development studies) by the end of the second year.</p> | <p>Output # 2:</p> <p>a) Inter-disciplinary MCH/FP curriculum and on site-observations.</p> <p>b) Six week summer course MCH/FP.</p> <p>c) Selected personnel trained as trainers & deliverers in MCH/FP.</p> <p>d) Demographic studies in MCH/FP.</p> <p>e) Evaluations by Meharry and advisory committee members.</p> <p>f) Evaluations by outside consultants.</p> | <p>Output # 2:</p> <p>a) Curriculum developed will be relevant to the needs of the students.</p> <p>b) Faculty & students will be interested in conducting research studies.</p> <p>c) Selected persons will be interested in becoming trainers in MCH/FP.</p> |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

Title & Number: Meharry MCH/FP and Nutrition Project

| BRIEF SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|---|---|---|--|
| <p>Outputs:</p> <p><u>MCH/FP Continued</u></p> | <p>Magnitude of Outputs:</p> | | <p>Assumptions for achieving outputs:</p> |
| <p>Output # 3: A Strengthened Advisory Capacity</p> | <p>Output #3:</p> <p>a) Increased short-term advisory capability.</p> <p>b) Increased skills in:</p> <p> a) problem identification</p> <p> b) sector analysis</p> <p> c) project design & implementation</p> <p> d) research and evaluation seminars of this type will be held throughout FY 1978 - 1980.</p> <p>c) Four persons given intensive training in French during FY 1978 - 1980.</p> <p>d) Two persons given intensive training in Swahili during FY 1978 - 1980.</p> | <p>Output # 3:</p> <p>a) Increased short-term advisory capacity.</p> <p>b) LDC reports.</p> <p>c) Four persons fluent in French.</p> <p>d) Two persons trained in Swahili.</p> <p>e) Annual reports</p> | <p>Output # 3:</p> <p>a) AID will support staff development activities including short term advisory services.</p> <p>b) LDC's will be interested in the resource capabilities of Meharry.</p> |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

Title Number: Meharry MCH/FP and Nutrition Project

| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|--|---|--|--|
| <p>Outputs:</p> <p><u>MCH/FP Continued</u></p> <p>Output # 4: <u>Expanded Information and Dissemination Capacity</u></p> | <p>Magnitude of Outputs:</p> <p>Output # 4:</p> <p>a) Appropriate MCH/FP educational materials suitable for use in Africa collected by end of first year & updated by end of second year.</p> <p>b) Cataloging of institutions and individuals conducting research in MCH/FP by end of first year.</p> <p>c) Semi-annual newsletter to LDC's and AID on current activities in MCH/FP at end of first year.</p> <p>d) Training package in MCH/FP at the end of year two.</p> <p>e) MCH/FP refresher workshop for 20-25 participants during the second year of the grant.</p> <p>f) Meharry can be expected to be a leading institution in the area of MCH/FP for developing countries in Africa at the end of the grant.</p> | <p>Output # 4:</p> <p>a) Semi-annual and annual reports.</p> <p>b) Catalogue of MCH/FP research.</p> <p>c) Newsletter.</p> <p>d) MCH/FP training package</p> <p>e) Refresher workshop in MCH/FP.</p> <p>f) Requests for information and technical assistance from other LDC's, AID and other donors.</p> | <p>Assumption for achieving outputs:</p> <p>Output # 4:</p> <p>a) MCH/FP training package will be relevant to the needs of Africans.</p> <p>b) MCH/FP workshop will be meaningful and well attended.</p> <p>c) Enough lead time will be given to the workshop participants for adequate preparation.</p> |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding
Date Prepared: 5/31/78

Title & Number: Meharry MCH/FP and Nutrition Project

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| BRIEF SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|---|---|---|--|
| Outputs: | Magnitude of Outputs: | | Assumptions for achieving outputs: |
| <u>FP Continued</u> | Output # 5: | Output # 5: | Output # 5: |
| Output # 5: Expanded LDC-wide linkages & works. | <ul style="list-style-type: none"> a) Establishment of ties with one regional African institution during the first year of the grant. b) Cooperative relations for purposes of faculty exchanges, manpower pooling, joint research, data exchange, program coordination with associated local institutions, donor agencies and LDC institutions. c) Initiate contacts with the World Bank Group, and W.H.O. during the first three months of FY 1978 - 79. d) Establish ties with U. S. institutions & individuals involved in MCH/FP during the first six months of FY 1978 -79. | <ul style="list-style-type: none"> a) LDC reports and special reports. b) On site observations and special reports. c) Special reports. d) Special reports. | <ul style="list-style-type: none"> a) AID will support such linkages including specific research projects. b) There will be continued interest in this field by local institutions, donor agencies and LDC institutions. |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

Title & Number: Meharry MCH/FP and Nutrition Project

| BRIEF SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|---|--|--------------------------------------|--|
| <p>Inputs:</p> <p>Course development and curricula. Faculty and staff exchange (U.S., and LDC's). Seminars, workshops, conferences (U.S. and LDC's) Teaching and training Research Information collecting, analysis, and dissemination, classification preparation of publications Consultation services. Developing and testing techniques, procedures, methodologies, etc. Library additions Technical Assistance. Program development and presentations.</p> | <p>Implementation Target (Type and Quantity)</p> <p>See budget</p> | <p>Annual reports and work-plans</p> | <p>Assumptions for providing inputs:</p> |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

Title Number: Meharry MCH/F? and Nutrition Project

| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|--|---|--|---|
| <p>ts:</p> <p>ed Nutrition</p> <p>t # 1: Expanded edge Base and rch Capability in ed Nutrition</p> | <p>Magnitude of Outputs:</p> <p>Output # 1:</p> <p>a) State of the arts survey in applied nutrition in selected LDC's during second year.</p> <p>b) Applied nutrition curriculum at the certificate level developed by the end of the first year.</p> <p>c) Applied nutrition training manual developed by the end of year two.</p> <p>d) Newsletter on current applied nutrition activities during the second year of the grant.</p> | <p>Output # 1:</p> <p>a) State of the arts survey.</p> <p>b) Applied nutrition curriculum.</p> <p>c) Applied nutrition training manual.</p> <p>d) Newsletters.</p> | <p>Assumption for achieving outputs:</p> <p>Output # 1:</p> <p>a) There will be student & faculty interest and successful developments throughout other outputs.</p> <p>b) LDC's, AID/W and AID missions will utilize resources developed.</p> <p>c) Students will be interested in and enroll in applied nutritic program.</p> |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

Title Number: Meharry MCH/FP and Nutrition Project

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| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|---|--|--|---|
| <p>Outputs:</p> <p><u>Applied Nutrition Con't</u></p> <p>Output # 2: Increased Education and Training capabilities in Applied Nutrition</p> | <p>Magnitude of Outputs:</p> <p>Output # 2:</p> <p>a) Curriculum for an inter-disciplinary program at the certificate level in applied nutrition by the end of year two.</p> <p>b) Nutritional research studies underway by the second year.</p> <p>c) Selected persons trained as trainers in nutrition planning.</p> | <p>Output # 2:</p> <p>a) Inter-disciplinary MCH/FP curriculum at certificate level.</p> <p>b) Nutritional research studies.</p> <p>c) Selected persons trained as trainers in nutrition planning.</p> <p>d) Evaluations by Meharry and advisory committee members.</p> <p>e) Evaluations by outside consultants.</p> | <p>Assumptions for achieving outputs:</p> <p>Output # 2:</p> <p>a) Curriculum developed will be relevant to the needs of the students.</p> <p>b) Faculty & Students will be interested in conducting nutritional studies.</p> <p>c) Selected persons will be interested in becoming trainers in nutrition planning.</p> |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

Title Number: Meharry MCH/FP and Nutrition Project

| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|---|--|--|--|
| Outputs: | Magnitude of Outputs: | | Assumption for achieving outputs: |
| <u>Applied Nutrition Con't</u> | Output # 3: | Output # 3: | Output # 3: |
| Output # 3: A Strengthened Advisory Capacity in Applied Nutrition | <ul style="list-style-type: none"> a) Working papers, unpublished reports, appropriate collection of materials and publication of newsletters related to nutrition planning by the end of 18 months. b) Inventory of expertise, country programs and donor activities established by the end of two years. c) classification and bibliographic system developed by end of first 18 months. d) Distribution system established and operating domestically by end of first year and worldwide by end of first 18 months. | <ul style="list-style-type: none"> a) Annual reports, on-site observation, record of demand and response. b) Same as (a) c) Same as (a) d) Same as (a) | <ul style="list-style-type: none"> a) Real demand and interest in access to information exists. |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

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Life of Project:
From FY 78 to 83
Total U.S. Funding
Date Prepared: 5/31/78

ti: Number: Meharry MCH/FP and Nutrition Project

| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|--|--|---|---|
| <p>Outputs:</p> <p>Applied Nutrition Con't.</p> <p>Output # 4: Expanded Information Dissemination Capacity</p> | <p>Magnitude of Outputs:</p> <p>Output # 4:</p> <p>a) Semi-annual newsletter to LDC's, AID on current activities in applied nutrition at end of first year.</p> <p>b) Training package in applied nutrition at end of second year.</p> <p>c) Refresher workshop in nutrition during second year.</p> | <p>Output # 4:</p> <p>a) Newsletter.</p> <p>b) Applied nutrition training package.</p> <p>c) Refresher workshop.</p> <p>d) Reports.</p> | <p>Assumptions for achieving outputs:</p> <p>Output # 4:</p> <p>a) Nutrition training package will be relevant to the needs of Africans.</p> <p>b) Refresher workshop will be meaningful & well attended.</p> <p>c) Enough lead time will be given to the workshop participants and consultants for adequate preparation.</p> |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

Title Number: Meharry MCH/FP and Nutrition Project

| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|---|---|---|--|
| <p>Outputs:</p> <p><u>Applied Nutrition Con't.</u></p> <p>Output # 5: Establish- ment of effective link- ages with a network of domestic and internatio- nal institutions dealing with the nutrition pro- blems of developing coun- tries</p> | <p>Magnitude of Outputs:</p> <p>Output # 5:</p> <p>a) Establishment of ties one regional African institution during the first year of the grant.</p> <p>b) Cooperative relations for purposes of faculty exchange, manpower, pooling, joint research, data exchange, program coordination, by end of second year.</p> | <p>Output # 5:</p> <p>a) Annual and LDC reports.</p> <p>b) Annual reports, utili- zation records.</p> | <p>Assumptions for achieving outputs:</p> <p>Output # 5:</p> <p>a) Creation of an informal consortium is feasible and desirable. Effective leadership or stimulation by AID.</p> <p>b) Donor agencies will recog- nize importance of nutriti planning, AID will assist in obtaining appropriate visibility.</p> <p>c) AID will participate in selection of necessary linkages.</p> |

PROJECT DESIGN SUMMARY
LOGICAL FRAMEWORK

Life of Project:
From FY 78 to 83
Total U.S. Funding _____
Date Prepared: 5/31/78

itl. Number: Meharry MCH/FP and Nutrition Project

| SUMMARY | OBJECTIVELY VERIFIABLE INDICATORS | MEANS OF VERIFICATION | IMPORTANT ASSUMPTIONS |
|--|--|--------------------------------------|--|
| <p>Inputs:</p> <p>Course development and curricula. Faculty and staff exchange (U.S., and LDC's). Seminars, workshops, conferences (U.S. and LDC's) Research and training Research Information collecting, analysis, and dissemination, classification Preparation of publications Consultation services. Developing and testing techniques, procedures, methodologies, etc. Library additions. Technical Assistance. Program development and presentations.</p> | <p>Implementation Target (Type and Quantity)</p> <p>See budget</p> | <p>Annual reports and work-plans</p> | <p>Assumption for providing inputs</p> |

LINE ITEM BUDGET FOR YEAR I and II

ILLUSTRATIVE

ATTACHMENT D-1

| <u>PERSONNEL</u> SALARIES & WAGES | <u>%</u> <u>OF</u> <u>TIME</u> | <u>SALARY</u> | <u>CURRICULUM</u> <u>DEVELOPMENT</u> <u>% OF TIME</u> | <u>INSTITUTIONAL</u> & <u>PUBLIC SERVICE</u> <u>% OF TIME</u> | <u>RESEARCH</u> <u>% OF TIME</u> | <u>ADMINISTRATION</u> <u>% OF TIME</u> | <u>PROFESSIONAL</u> <u>GROWTH &</u> <u>DEVELOPMENT</u> <u>% OF TIME</u> | <u>FISCAL</u> <u>MATTERS</u> <u>% OF</u> <u>TIME</u> | <u>CLERICAL</u> <u>DUTIES</u> <u>% OF TIME</u> |
|--|--------------------------------------|---------------|---|--|-------------------------------------|---|--|---|--|
| Project Director | 100% | \$2,500 x 12 | 10% | 5% | 10% | 60% | 10% | 5% | 0 |
| Assistant Administrator | 100% | 1,333 x 12 | 5% | 35% | 5% | 40% | 10% | 5% | 0 |
| Fiscal Officer | 100% | 1,250 x 12 | 10% | 10% | 0 | 0 | 10% | 70% | 0 |
| Medical Anthropologist | 100% | 1,500 x 12 | 30% | 10% | 50% | 0 | 10% | 0 | 0 |
| Health Educator | 100% | 1,333 x 12 | 60% | 20% | 10% | 0 | 10% | 0 | 0 |
| Nutritionist | 100% | 1,500 x 12 | 40% | 5% | 40% | 5% | 10% | 0 | 0 |
| Nurse Midwife | 40% | 500.00 x 12 | 35% | 0 | 0 | 0% | 5% | 0 | 0 |
| Administrative Secretary | 100% | 750.00 x 12 | 0 | 0 | 0 | 0 | 5% | 0 | 95% |
| Recptionist/ Secretary | 100% | 583.00 x 12 | 0 | 0 | 0 | 0 | 5% | 0 | 95% |

| | | |
|------|--|-------------|
| 2. | Student Support 10 x \$1,500 | \$15,000.00 |
| 3. | Library Relevant books & journals in MCH/FP, applied nutrition, and bio-medical ecology | 3,000.00 |
| 4. | Computer time | 2,000.00 |
| 5(a) | International travel Assessment of needs in: 1) MCH/FP; 2) applied nutrition; 3) socio- cultural aspects of health; 4) child rearing practices; infectious diseases; 5) parasitology, 6) family planning attitudes | |
| | 10 persons (@) \$1,600.00 each | 16,000.00 |
| | Per diem 140 days (@) \$60.00 | 8,400.00 |
| | Short term advisory services in MCH and Nutrition 3 persons (@) \$1,600 | 4,800.00 |
| | Per diem 40 days x \$62.00 | 2,400.00 |
| 5(b) | Domestic Travel 6 trips - Washington | 888.00 |
| | 14 trips Conference & Workshop \$400.00 each | 5,600.00 |
| | Per diem 56 x \$45.00 (4 days each) | 2,520.00 |
| | Workshop fees \$100.00 each x 14 | 1,400.00 |

5(b) continued.

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| 4 trips - explore additional funding sources \$400 each x 4 | \$1,600.00 |
| Per diem 2 days x 4 8 x \$45.00 | 360.00 |
| 4 trips - establish U.S. linkage with institutions & individuals in MCH/FP & applied nutrition \$400.00 each x 4 | 1,600.00 |
| Per diem 8 x \$45.00 | 360.00 |
| 6. Equipment and Supplies 1) paper 2) adding machine 3) stencils 4) folders 5) ribbons 6) cassette/recorder 7) pencils, pens 8) typewriter repairs 9) desk calenders 10) accounting books 11) related items | 10,080.00 |
| 7. Staff Development and Training, Mini- Workshops (consultants included) management by objectives, socio-cultural seminars, french lessons, swahili lessons, seminars on sector analysis, project design, project evaluation, multi-sectoral nutrition planning etc. | 20,000.00 |

| | | |
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| 8. | Publications Brochures, Newsletters, Training manuals | \$ 8,000.00 |
| 9. | Other Direct Costs Xerox Rental Postage Telephone Cables | 11,000.00 |
| | | <hr/> <hr/> |
| | Grand Total | 250,000.00 |

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5C(3) - STANDARD ITEM CHECKLIST

Listed below are 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 exclusion (as where certain uses of funds are permitted, but other uses not).

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 goods and services financed? Yes

2. FAA Sec. 604(a). Will all commodity procurement financed 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 U.S. marine insurance companies, will agreement require that marine insurance be placed in the U.S. on commodities financed? N/A

4. FAA Sec. 604(e). If offshore procurement of agricultural commodity or product is to be financed, is there provision against such procurement when the domestic price of such commodity is less than parity? N/A

5. FAA Sec. 608(a). Will U.S. Government excess personal property be utilized wherever practicable in lieu of the procurement of new items? Yes

6. MMA Sec. 901(b). (a) Compliance with requirement 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. N/A

7. FAA Sec. 621. If technical assistance is financed, will such assistance be furnished to the fullest extent practicable as goods and professional and other services from private enterprise on a contract basis? If the facilities of other Federal agencies will be utilized, Yes

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g. FAA Sec. 201(b)(2)-(4) and -(8); Sec. 201(e); Sec. 211(a)(1)-(3) and -(8). Does the activity give reasonable promise of contributing to the development: of economic resources, or to the increase of productive capacities and self-sustaining economic growth; or of educational or other institutions directed toward social progress? Is it related to and consistent with other development activities, and will it contribute to realizable long-range objectives? And does project paper provide information and conclusion on an activity's economic and technical soundness?

Yes

h. FAA Sec. 201(b)(6); Sec. 211(a)(5), (6). Information and conclusion on possible effects of the assistance on U.S. economy, with special reference to areas of substantial labor surplus, and extent to which U.S. commodities and assistance are furnished in a manner consistent with improving or safeguarding the U.S. balance-of-payments position.

N/A

2. Development Assistance Project Criteria (Loans only)

a. FAA Sec. 201(b)(1). Information and conclusion on availability of financing from other free-world sources, including private sources within U.S.

N/A

b. FAA Sec. 201(b)(2); 201(d). Information and conclusion on (1) capacity of the country to repay the loan, including reasonableness of repayment prospects, and (2) reasonableness and legality (under laws of country and U.S.) of lending and relending terms of the loan.

N/A

c. FAA Sec. 201(e). If loan is not made pursuant to a multilateral plan, and the amount of the loan exceeds \$100,000, has country submitted to AID an application for such funds together with assurances to indicate that funds will be used in an economically and technically sound manner?

N/A

d. FAA Sec. 201(f). Does project paper describe how project will promote the country's economic development taking into account the country's human and material resources requirements and relationship between ultimate objectives of the project and overall economic development?

N/A

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e. FAA Sec. 202(a). Total amount of money under loan which is going directly to private enterprise, is going to intermediate credit institutions or other borrowers for use by private enterprise, is being used to finance imports from private sources, or is otherwise being used to finance procurements from private sources? N/A

f. FAA Sec. 620(d). If assistance is for any productive enterprise which will compete in the U.S. with U.S. enterprise, is there an agreement by the recipient country to prevent export to the U.S. of more than 20% of the enterprise's annual production during the life of the loan? N/A

3. Project Criteria Solely for Security Supporting Assistance

a. FAA Sec. 531. How will this assistance support promote economic or political stability? N/A

b. FAA Sec. 533(c)(1). *Will assistance under the Southern African Special Requirements Fund be used for military, guerrilla, or paramilitary activities?* N/A

4. Additional Criteria for Alliance for Progress

[Note: Alliance for Progress projects should add the following two items to a project checklist.]

a. FAA Sec. 251(b)(1), -(8). Does assistance take into account principles of the Act of Bogota and the Charter of Punta del Este; and to what extent will the activity contribute to the economic or political integration of Latin America? N/A

b. FAA Sec. 251(b)(8); 251(h). For loans, has there been taken into account the effort made by recipient nation to repatriate capital invested in other countries by their own citizens? Is loan consistent with the findings and recommendations of the Inter-American Committee for the Alliance for Progress (now "CEPCIES," the Permanent Executive Committee of the OAS) in its annual review of national development activities? N/A

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(5) [107] by grants for coordinated private effort to develop and disseminate intermediate technologies appropriate for developing countries.

c. FAA Sec. 110(a); Sec. 208(e). Is the recipient country willing to contribute funds to the project, and in what manner has or will it provide assurances that it will provide at least 25% of the costs of the program, project, or activity with respect to which the assistance is to be furnished (or has the latter cost-sharing requirement been waived for a "relatively least-developed" country)?

N/A

d. FAA Sec. 110(b). Will grant capital assistance be disbursed for project over more than 3 years? If so, has justification satisfactory to Congress been made, and efforts for other financing, or is the recipient country "relatively least developed"?

N/A

e. FAA Sec. 207; Sec. 113. Extent to which assistance reflects appropriate emphasis on; (1) encouraging development of democratic, economic, political, and social institutions; (2) self-help in meeting the country's food needs; (3) improving availability of trained worker-power in the country; (4) programs designed to meet the country's health needs; (5) other important areas of economic, political, and social development, including industry; free labor unions, cooperatives, and Voluntary Agencies; transportation and communication; planning and public administration; urban development, and modernization of existing laws; or (6) integrating women into the recipient country's national economy.

GPS reflects (3), (4), (6)

f. FAA Sec. 281(b). Describe extent to which program recognizes the particular needs, desires, and capacities of the people of the country; utilizes the country's intellectual resources to encourage institutional development; and supports civic education and training in skills required for effective participation in governmental and political processes essential to self-government.

N/A

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b. FAA Sec. 103, 103A, 104, 105, 106, 107. Is assistance being made available: [include only applicable paragraph -- e.g., a, b, etc. -- which corresponds to source of funds used. If more than one fund source is used for project, include relevant paragraph for each fund source.]

- (1) [103] for agriculture, rural development or nutrition; if so, extent to which activity is specifically designed to increase productivity and income of rural poor; [103A] if for agricultural research, is full account taken of needs of small farmers; N/A
- (2) [104] for population planning or health; if so, extent to which activity extends low-cost, integrated delivery systems to provide health and family planning services, especially to rural areas and poor; Yes
- (3) [105] for education, public administration, or human resources development; if so, extent to which activity strengthens nonformal education, makes formal education more relevant, especially for rural families and urban poor, or strengthens management capability of institutions enabling the poor to participate in development; N/A
- (4) [106] for technical assistance, energy, research, reconstruction, and selected development problems; if so, extent activity is: N/A
- (a) technical cooperation and development, especially with U.S. private and voluntary, or regional and international development, organizations;
- (b) to help alleviate energy problem;
- (c) research into, and evaluation of, economic development processes and techniques;
- (d) reconstruction after natural or manmade disaster;
- (e) for special development problem, and to enable proper utilization of earlier U.S. infrastructure, etc., assistance;
- (f) for programs of urban development, especially small labor-intensive enterprises, marketing systems, and financial or other institutions to help urban poor participate in economic and social development.

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5C(2) - PROJECT CHECKLIST

Listed below are, first, statutory criteria applicable generally to projects with FAA funds, and then project criteria applicable to individual fund sources: Development Assistance (with a sub-category for criteria applicable only to loans); and Security Supporting Assistance funds.

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

A. GENERAL CRITERIA FOR PROJECT.

1. App. Unnumbered; FAA Sec. 653(b); Sec. 671

(a) Describe how Committees on Appropriations 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 figure

Notified by "Advice of Program Change" dated May 1978; current FY 1978 OYB is \$700,000

2. FAA Sec. 611(a)(1). Prior to obligation in excess of \$100,000, will there be (a) engineering, financial, and other plans necessary to carry out the assistance and (b) a reasonably firm estimate of the cost to the U.S. of the assistance?

Information is contained in the GPS

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?

N/A

4. FAA Sec. 611(b); App. Sec. 101. If for water or water-related land resource construction, has project met the standards and criteria as per *the Principles and Standards for Planning Water and Related Land Resources* dated October 25, 1973?

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 the country's capability effectively to maintain and utilize the project?

N/A

6. FAA Sec. 209, 619. Is project susceptible of execution as part of regional or multi-lateral project? If so why is project not so executed? Information and conclusion whether assistance will encourage regional development programs. If assistance is for newly independent country, is it furnished through multi-lateral organizations or plans to the maximum extent appropriate?

N/A

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7. FAA Sec. 601(a); (and Sec. 201(f) for development loans). 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; (c) encourage development and use of cooperatives, 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. N/A
8. FAA Sec. 601(b). Information and conclusion 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). Encourages private universities to participate in international health development activities.
9. FAA Sec. 612(b); Sec. 636(h). 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 to meet the cost of contractual and other services. N/A
10. FAA Sec. 612(d). Does the U.S. own excess foreign currency and, if so, what arrangements have been made for its release? N/A
11. ISA 14. Are any FAA funds for FY 78 being used in this Project to construct, operate, maintain, or supply fuel for, any nuclear powerplant under an agreement for cooperation between the United States and any other country? N/A

B. FUNDING CRITERIA FOR PROJECT1. Development Assistance Project Criteria

a. FAA Sec. 102(c); Sec. 111; Sec. 281a. Extent to which activity will (a) effectively involve the poor in development, by extending access to economy at local level, increasing labor-intensive production, spreading investment out from cities to small towns and rural areas; and (b) help develop cooperatives, especially by technical assistance, to assist rural and urban poor to help themselves toward better life, and otherwise encourage democratic private and local governmental institutions?

Will contribute toward a better life for both rural and urban populations through improved health.

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are they particularly suitable, not competitive with private enterprise, and made available without undue interference with domestic programs?

8. International Air Transport. Fair Competitive Practices Act, 1974

If air transportation of persons or property is financed on grant basis, will provision be made that U.S.-flag carriers will be utilized to the extent such service is available?

Yes

B. Construction

1. FAA Sec. 601(d). If a capital (e.g., construction) project, are engineering and professional services of U.S. firms and their affiliates to be used to the maximum extent consistent with the national interest?

N/A

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?

N/A

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?

N/A

C. Other Restrictions

1. FAA Sec. 201(d). 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 preclude promoting or assisting the foreign aid projects or activities of Communist-Bloc countries, contrary to the best interests of the U.S.?

Yes

4. FAA Sec. 636(i). Is financing not permitted to be used, without waiver, for purchase, long-term lease, or exchange of motor vehicle manufactured outside the U.S. or guaranty of such transaction?

Yes

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5. Will arrangements preclude use of financing:

- a. FAA Sec. 114. to pay for performance of abortions or to motivate or coerce persons to practice abortions, *to pay for performance of involuntary sterilization, or to coerce or provide financial incentive to any person to practice sterilization?* Yes
- b. FAA Sec. 620(g). to compensate owners for expropriated nationalized property? N/A
- c. FAA Sec. 660. to finance police training or other law enforcement assistance, except for narcotics programs? Yes
- d. FAA Sec. 662. for CIA activities? Yes
- e. App. Sec. 103. to pay pensions, etc., for military personnel? N/A
- f. App. Sec. 105. to pay U.N. assessments? N/A
- g. App. Sec. 106. to carry out provisions of FAA Sections 209(d) and 251(h)? (transfer to multilateral organization for lending). N/A
- h. App. Sec. 112. *to finance the export of nuclear equipment, fuel, or technology or to train foreign nationals in nuclear fields?* N/A
- i. App. Sec. 501. to be used for publicity or propaganda purposes within U.S. not authorized by Congress? Yes