

UNITED STATES GOVERNMENT

Memorandum

9310878 (3)

DD-AAG-220

: TA/PM, Mr. John Kean

DATE: April 20, 1970

: TA/H, L.M. Howard, M.D.

: TA/H, Joe L. Stockard, M.D.

TA/H, Arthur H. Holloway

CT: OST PROP for Smithsonian Contract on Environment

Dr. Howard forwarded this document to us for review and comment. Our review has included 1) the PROP itself, 2) report of the National Academy of Science (NAS) ad hoc Committee on Environmental Aspects of Foreign Assistance Programs, and 3) the NAS proposal to A.I.D. for an expanded five year support program for international development.

We feel that the proposal in its present form does not satisfactorily clarify a number of fundamental organizational relationships and is too non-specific in definition of the role to be played by the Smithsonian Institution. These matters are considered under the following four subject headings:

I. Relationship of this Proposal and the NAS Proposal to the ad hoc Committee Report.

The ad hoc Committee called attention to five priority problem areas for A.I.D. consideration. It then presented seven recommendations for improved capabilities for dealing with environmental problems. Following this, the NAS submitted a proposal to A.I.D. for continued advice in regard to a broad spectrum of developmental problems, including those of the environment. Thus it appears that A.I.D., through the NAS, is providing for support regarding broad development policies. The proposal takes cognizance of environmental problems. It seems to us that other contracts, e.g., Smithsonian Institution, should be directed toward more specific subjects. The PROP in its present form does not clearly show what the relationship is between the work of the Smithsonian Institution and the work to be performed by the NAS. In fact, it appears that the Smithsonian Institution is being asked to take on all of the tasks which the NAS proposes to address.

II. Relation of the Project to the Fundamental Purposes of the National Environmental Policy Act of 1969.

The purposes of the Act are "to promote efforts which will prevent or eliminate damage to the environment and biosphere, and stimulate the health and welfare of man." The proposed contractor is eminently qualified to identify and evaluate damage occurring to the environment and biosphere. However, it is felt that there are other institutions and organizations in the United States who have a superior capability for developing solutions to the problems which would be defined by the contractor. These solutions

will require the technical competence of specialized engineers, physicians, agriculturists, and other professional personnel.

III. Relationship to A.I.D. Development Objectives

The A.I.D. proposal which accompanies the PROP describes studies on population pressure, urbanization, and pollution, which are to be undertaken in Singapore. Reference is made elsewhere to studies which might be undertaken in Malaysia. Neither Singapore nor Malaysia have ever been A.I.D. recipient countries. However, the problems which would be studied in these areas do exist in countries which A.I.D. is actively supporting. Is it desirable for sites proposed in the PROP to be selected for work which can be more useful if undertaken in direct support of on-going A.I.D. programs?

IV. Relationship to Existing A.I.D. Bureaus, Offices, and Missions

What relationship would exist between the contractor and A.I.D. Missions, Bureaus, and Offices? We see it as a possibility, from the standpoint of the technical offices and of the NAS, that a technical review of the proposed work might well reveal additional opportunities which could be exploited. Furthermore, the solution to problems which may be defined by the contractor may very often require the assistance of other technical personnel to work out a satisfactory solution. Unless this is built in, balance may not be achieved between the pure ecologist and other professionals.

MINUTES

Technical Assistance Executive Committee
June 10, 1970

The following persons were present representing the various Regional Bureaus:

EAST ASIA

R.R. Johnson, EA/TECH
E.A. Owens, EA/DP

NEAR EAST-SOUTH ASIA

C. Farrar, AA/NESA
B.C. Newbry, NESA/ID

AFRICA

M. Belcher, AFR/TAC
R.T. Freeman, AFR/CDF

VIETNAM

C.P. Fossum, VN/ID

LATIN AMERICA

L.G. Sleeper, LA/DR

In addition, Mr. K. Vernon (ENGR), Mr. M. McLaughlin (OIT), Mr. L. Jones (PPC), and Mr. B. Merson (O/LAB) represented their respective Bureaus and Offices. The meeting was chaired by Mr. Joel Bernstein, AA/TA.

I. Draft Manual Circular on Environmental Factors

Item 2 of the Agenda as distributed concerning Procedures for Considering Environmental Effects was taken up first. Mission responses to an earlier query about environmental problems indicated that pesticides constitute the most critical issue now being faced. They also stressed the need for education of LDC people and their interest in support being provided through the Smithsonian and NAS. (A summary of the responses is enclosed.)

Pesticide Procurement -- TA/AGF is expected to continue to review all pesticide procurement actions and to determine that the recipient LDC is aware of any toxic and dangerous characteristics of pesticides being purchased. The decision to buy, however, would be left up to the LDC government. NESA indicated that it expects to comment on the draft Manual Circular in writing but noted that the

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present draft approaches the problem entirely from a project viewpoint, while most NESAs pesticide procurement is on a program basis. They noted that the shortage of field personnel qualified to deal technically with pesticides problems is acute. There may, therefore, need to be a source of technical advisory services to Missions. They further suggested a need to indicate that there was no intent to control what LDCs do but simply to be certain that the nature of the problem is brought to the attention of LDC governments. A further suggestion was made that alternative less toxic pesticides be sought and that TA/AGF might be asked to provide appropriate warning, whether or not the pesticides were for agricultural programs.

Feasibility Studies -- The current need is to deal with the interim situation until the engineering feasibility study manuals containing the basic instructions can be modified to cover environmental problems. There are, nevertheless, critical gaps in our knowledge and lack of methodology for dealing with environmental economics. The Manual Circular seeks to develop procedures which Missions can use to obtain needed expertise on environmental problems. Mr. Farrar pointed out the Manual Circular should be amended to indicate that we are not insisting on a rigorous cost/benefit analysis of environmental factors since this is presently not possible, but only that we seek to take into account the possible impact of projects on the environment.

Intensive Review Request -- Discussion indicated the desirability of having the environment problem considered at the outset of project review and to identify projects which need particular attention with regard to the environmental situation. Even prior to the IRR the issue needs to be considered. A determination should be made at the time feasibility studies are undertaken to ascertain and insure that environmental factors are adequately covered when the scope of work is drawn up. The suggestion was made that we may need specialized consultants to see that environmental factors are covered. A consultant on these matters may need to be present at meetings where the IRR is considered to interpret facts presented in the paper.

II. Coordination Mechanisms for Handling Section 220 Matters

Prior to the meeting a draft action memorandum on coordination mechanisms within AID to deal with Section 220 was circulated for review. There was limited discussion during the meeting, and with minor modification of language all Bureaus present indicated their concurrence with the memorandum to the Administrator. O/LAB indicated its desire to have an opportunity to participate in the consideration of Section 220 matters.

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III. Funding of Travel of Direct Hire TAB
Personnel and Consultants on TAB Rolls

Mr. Bernstein referred briefly to the advantages and disadvantages of Central or Regional and Mission funding of travel by TAB direct hire personnel and consultants on TAB rolls. After some brief discussion, there appeared to be a consensus that funding of such travel and services should be continued generally as at present, with Missions and Regional Bureaus in general funding travel which they request. A memorandum is to be circulated from TAB to Regional Bureaus suggesting that appropriate account be taken of the need for the Regions generally to fund travel by direct hire TAB personnel where these services are requested by the Regional Bureaus and/or overseas Missions. TAB, on the other hand, will fund travel for conferences, seminars, and in connection with the analysis of key problems or in connection with congressional mandates for which TAB has major responsibility.

Enclosure

cc: All Participants

TA/PM: John H. Kean:hsd:6/25/70

JRK

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ANALYSIS OF FIELD MISSION RESPONSES TO AID'S CIRCULAR AIRGRAM OF
MARCH 25, 1970, SUBJECT: ENVIRONMENTAL ASPECTS OF AID PROGRAMS

To date 30 country missions have responded to the airgram, the purpose of which was to:

- (a) Inform USAID Missions of current Administration policy on environmental matters, and particularly how it relates to AID activities;
- (b) Identify the general types of environmental problems that seem to be of particular importance in developing countries;
- (c) Describe the relationship of AID activities in the environmental field to activities of other organizations concerned with international development and the internal AID/W organizational arrangements for environmental matters;
- (d) Request preliminary assessments by USAID Missions of specific environmental problems in host countries; and
- (e) Request views of USAID Missions on specific steps that AID/W is considering which the Missions may wish to consider in development of country programs.

The airgram provides detail about the types of environmental problems with which development programs should be concerned, requests preliminary analyses of the attitudes and problems within the host country, and explains AID/W's present thinking with regard to utilizing the resources of such U.S. institutions as the National Academy of Sciences and the Smithsonian Institution, as well as others.

Nearly all responses were carefully and thoughtfully prepared and indicated awareness on the part of our Missions of the deleterious effects on local ecology that economic development programs have had, and the potential for environmental degradation that ill-conceived or carelessly planned projects may have.

Unfortunately, developing country leaders seem to be less aware of these dangers and certainly less motivated to take action -- especially if such action is clearly an economic cost which, up to the present time, in their minds at least, has no immediate GNP benefit. The thread that binds all these Mission replies is the

theme that education of local leaders is a condition precedent to any serious planning which will integrate environmental matters in a satisfactory way into development programs.

The major environmental concerns in the developing countries as outlined in the dispatches came as no surprise. The extent of the degradation does. It is clear that in a few capital cities vigorous action must be taken immediately. Air and water pollution combined with rapid urban expansion and totally inadequate sanitary facilities result in social conditions which are reflected in slower economic growth.

The rapid increase in pesticide use is a cause of concern in almost all developing countries since there is not sufficient awareness and understanding of the hazards involved in their application and of the need for careful control. In one small country which averages a 1,000 metric ton import level of DDT annually and nearly equivalent amounts of dieldrin and endrin there is concern that residues are contaminating inland and ocean waters but to date there has been no action to monitor and control these activities.

Another area of major concern worldwide is the increase of water borne diseases -- those resulting from overcrowding and inadequate sanitation mentioned previously and the schistosomiasis and onchocerciasis which is increasing as a result of water system modification for hydro and irrigation projects.

In certain African countries and Brazil it is apparent that wild-life and forest areas are being threatened by proposed development projects and deforestation and soil erosion resulting from projects which may have short-term economic benefits is of a serious nature.

It seems, as one Mission put it "[the developing countries] afford examples, in the extreme, of the full gamut of environmental despoilers." It is clearly recognized (by our people) that education and media treatment are two approaches through which to address the general problem but "environmental education of the public is never an easy task and not one which can be imposed from outside. Although it would be nice to give every school child a course in ecology, it would be unrealistic to try to negotiate this as a curriculum reform under an education sector loan, for example, at a time when most of the country's children do not even graduate from grade school and many hard-pressed educational administrators don't know

what ecology is. We would not rule out assistance in textbooks and teacher training but public and official awareness will have to be developed as a first step. This is where Smithsonian and NAS efforts can be of greatest benefit."

Over half the responding Missions gave strong endorsement to either the NAS or Smithsonian program and eight believed effective use could be made of both of these institutional resources. There is almost universal acceptance of the idea that training programs should be undertaken locally and abroad both in the U.S. and other developed nations. With regard to the NAS symposia it is hoped that there can be organized, at the earliest possible moment, regional efforts in Ethiopia, India, and Guatemala and a bilateral effort in Brazil.

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AGENCY FOR INTERNATIONAL DEVELOPMENT
BASIC ORDERING AGREEMENT FOR TECHNICAL SERVICES
No. AID/csd-260

28

AUTHORIZED ORDERING ACTIVITY

Bureau for Africa
Bureau for East Asia
Bureau for Latin America
Bureau for Near East and South Asia
Bureau for Vietnam

CONTRACTOR (NAME & ADDRESS)

Smithsonian Institution
Washington, D.C. 20560

Cognizant Scientific/Technical Office

Mail Vouchers (Original & three copies) TO:

TA/OSI

AGENCY FOR INTERNATIONAL
DEVELOPMENT
OFFICE OF THE CONTROLLER
WASHINGTON, D.C. 20523

EFFECTIVE DATE

JUN 30 1970

EXPIRATION DATE

JUNE 30, 1975

This Basic Ordering Agreement (BOA) consists of this Cover Page, Articles I through XIII, the General Provisions (Form OT/GP/Technical Services Overseas, 3-67), and Supplemental Provisions (May 1969).

NAME OF CONTRACTOR

Smithsonian Institution

UNITED STATES OF AMERICA
AGENCY FOR INTERNATIONAL
DEVELOPMENT

BY (Signature of Authorized Individual)

Elbridge O. Hurlbut

BY (Signature of Contracting Officer)

F. A. Monahan

Elbridge O. Hurlbut
TYPED OR PRINTED NAME

F. A. Monahan
TYPED OR PRINTED NAME

Contracting Officer
TITLE

Contracting Officer
TITLE

June 30, 1970
DATE

DATE

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CERTIFIED I HAVE COPY THIS
BY *[Signature]* DATE OF *11/1/70*

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SCHEDULE

26 Oct. 53

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SCHEDULE

ARTICLE I - PURPOSE

The purpose of this Basic Ordering Agreement (BOA) is to set forth the Scope of Technical Service within which Task Orders may be issued; and those contract clauses which will apply to each Task Order which is issued. Provided, however, it is understood, regarding said Task Orders, that A.I.D. undertakes no obligation to issue and the Contractor assumes no obligation to accept.

ARTICLE II - SCOPE OF TECHNICAL SERVICES

All Task Orders issued under this Basic Ordering Agreement shall require the Contractor to provide technical services concerned with and related to environmental aspects of development projects in less-developed countries (LDCs). These services shall include, but not necessarily be limited to:

- A. Developing background, knowledge and understanding of the nature, intensity and trends of environmental degradation in less-developed countries;
- B. Assessing less-developed country awareness of and capability to create a capacity to cope with environmental aspects of indigenous development plans;
- C. Assisting less-developed countries in improving already existing institutions or in creating new institutions for handling environmental problems; and
- D. Assisting in the development of a U.S. institutional base for expertise in the environmental field as it relates to development problems in the less-developed countries.

ARTICLE III - PROCEDURE FOR TASK ORDER ISSUANCE

A. General - Task Orders may be issued by Contracting Officers of the Authorized Ordering Activities set forth on the cover page hereof. All Task Orders issued hereunder shall incorporate the provisions of this Basic Ordering Agreement.

1. Standard Procedure

a. The standard procedure for issuance of Task Orders hereunder requires that, prior to the issuance of the Task Order and upon the request of the Ordering Activity, the Contractor shall submit to the Contracting Officer a written proposal and cost estimate for performance thereof.

b. Following evaluation of the Contractor's proposal, and upon establishment of a mutually agreed upon cost for the entire Task Order, the Contracting Officer shall issue an original and six (6) copies of the Task Order to the Contractor. Such Task Order shall include the specific services to be performed thereunder, the period during which such services are to be performed, and a citation of the funds obligated thereby.

c. The Contractor shall indicate his acceptance of the Task Order and his agreement with the established cost by returning to the Contracting Officer the original and five (5) copies, all signed by an authorized official of the Contractor.

2. Procedure for Task Orders Containing Monetary Limitations

a. Under this Basic Ordering Agreement, the Ordering Activity will make no final commitment to the Contractor nor authorize the Contractor to perform any work pursuant to a Task Order until the cost of

such Task Order has been established, unless the Task Order includes a monetary limitation on the obligation of the Ordering Activity, and

EITHER -

(1) The Contracting Officer determines that the procedures contained in this Basic Ordering Agreement for arriving at the Task Order cost will permit the establishment of a cost for the entire order sufficiently early in the Contractor's performance of the Task Order to insure that the cost of the entire Task Order will not be established retroactively; OR -

(2) The Ordering Activity determines that the need for the services are of such compelling and unusual urgency that the Ordering Activity would be seriously injured, financially or otherwise, if the services were not furnished by a certain date and it is determined by the Ordering Activity that the services could not be furnished by the date if the Contractor is not allowed to begin working until said cost has been established.

b. All Task Orders issued with a monetary limitation on the obligation of the Ordering Activity shall be issued in the same manner as those Task Orders for which a cost has already been established, except that in lieu of an established cost the Task Order shall contain the monetary limitation. The monetary limitation in a Task Order is intended to permit the Contractor to proceed with performance of the work under the Task Order until such time as the cost of the entire Task Order is established.

c. The Contractor will indicate his acceptance of any Task Order containing a monetary limitation on the obligation of the

Ordering Activity in the same manner as he indicates acceptance of a Task Order for which the cost has already been established.

d. Following the Ordering Activity's receipt of the Contractor's proposal and cost estimate for a Task Order issued with a monetary limitation, which proposal must be submitted within sixty (60) days, or forty (40) percent of completion of the work, whichever is earlier, the Contracting Officer and the Contractor will proceed to establish the cost for the entire Task Order. If the Contracting Officer and the Contractor are unable to reach agreement on cost, such inability to reach agreement shall constitute a dispute subject to the provisions of the Disputes clause of this Basic Ordering Agreement.

e. When the Contracting Officer and the Contractor have established a mutually agreed upon cost for the Task Order, the Contracting Officer will issue an original and six (6) copies of an amendment to such Task Order. The amendment will delete the monetary limitation in the Task Order, substitute in its place the established cost, and include a citation of the funds obligated for said cost.

f. The Contractor will indicate his acceptance of an amendment to the Task Order in the same manner as he indicates acceptance of the Task Order.

B. No liability shall be incurred by either party under any Task Order issued pursuant to this Basic Ordering Agreement before its acceptance as described herein.

ARTICLE IV - TASK ORDER FORMAT

Each Task Order issued hereunder shall be on the cover page format attached as Addendum A, and shall include, as appropriate, the following Articles:

<u>Article</u>	<u>Title</u>
I	Statement of Work
II	Term of Performance
III	Level-of-Effort
IV	Reports
V	Estimated Cost or Monetary Limitation
VI	Budget
VII	Additional Provisions (if required)

ARTICLE V - TERM OF BASIC ORDER AGREEMENT

- A. This Basic Ordering Agreement is effective on the date specified on the Cover page hereof and shall continue for a period of five (5) years.
- B. No Task Order may be issued under this Basic Ordering Agreement after the term has expired. Further, this Basic Ordering Agreement shall not be modified or superceded by any individual Task Order.

ARTICLE VI - DISCONTINUANCE OF BASIC ORDERING AGREEMENT

This Basic Ordering Agreement may be discontinued from future application upon thirty (30) days written notice by either party. Discontinuance of this Basic Ordering Agreement shall not affect any Task Order issued hereunder which was accepted by the Contractor before the effective date of discontinuance.

ARTICLE VII - REVIEW OF BASIC ORDERING AGREEMENT

This Basic Ordering Agreement shall be reviewed, at least annually, before the anniversary of its effective date, and revised, as necessary, to conform with the requirements of Part 1-3 of the Federal Procurement Regulations. Modifications to the Basic Ordering Agreement shall not have retroactive effect.

ARTICLE VIII - TECHNICAL DIRECTIONS

Performance of the Task Orders hereunder shall be subject to technical directions issued by the A.I.D. Office of Science and Technology or other cognizant technical office. As used herein, "Technical Directions" are directions to the Contractor which fill in details, suggest possible lines of inquiry, or otherwise complete the statement of work. Technical directions must be within the terms of the Task Orders issued hereunder and shall not change or modify them in any way.

ARTICLE IX - COSTS REIMBURSABLE AND LOGISTIC SUPPORT TO CONTRACTOR

A. United States Dollar Costs

The United States dollar costs allowable under any Task Order shall be limited to reasonable, allocable, and necessary costs determined in accordance with General Provision 22 of this Agreement, entitled "Allowable Cost, Fixed Fee, and Payment".

B. Logistic Support and Costs Reimbursable in Local Currency

The Contractor shall be provided with logistic support overseas or be reimbursed in local currency for such support to the extent provided in each Task Order.

C. Method of Payment of Local Currency Costs

Those Task Order cost which are specified as local currency costs in paragraph B, above, if not furnished in kind by the Cooperating Government or the Mission, shall be paid to the Contractor in a manner adapted to the local situation and as agreed to by the Mission Director and the Contractor. The documentation for such costs shall be on such forms and in such manner as the Mission Director shall prescribe.

ARTICLE X - ESTABLISHMENT OF PREDETERMINED INDIRECT COST RATE

Pursuant to the provisions of the clause of the General Provisions

of this Contract entitled "Indirect Costs (Overhead) - Predetermined", a rate or rates shall be established for each of the Contractor's accounting periods during the term of the Contract. The rate for the initial period shall be as set forth below:

<u>27%</u> (Rate)	<u>Total Direct Costs</u> (Base)	<u>7-1-70 to 6-30-71</u> (Period)
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Predetermined indirect cost rates for subsequent periods shall be established in accordance with the terms of the "Indirect Costs (Overhead) - Predetermined" clause of this Contract.

ARTICLE XI - PERSONNEL COMPENSATION

A. Limitations

Compensation of personnel which is charged as a direct cost under this contract, like other costs, will be reimbursable in accordance with Article IX of the Schedule, entitled "Costs Reimbursable and Logistic Support to Contractor" and General Provision 22 entitled "Allowable Cost, Fixed Fee, and Payment" and other applicable provisions of this contract but subject to the following additional specific understandings which set limits on items which otherwise would be reasonable, allocable and allowable.

1. Approvals

Salaries and wages may not exceed the Contractor's established policy and practice, including the Contractor's established pay scale for equivalent classifications of employees, which will be certified to by the Contractor, nor may any individual salary or wage, without approval of the Contracting Officer, exceed the employee's current salary or wage or the highest rate of annual salary or wage received during any full year of the immediately preceding three years, provided that if

the work is to be performed by employees serving overseas for a period in excess of one year, the normal base salary may be increased in accordance with the Contractor's established policy and practice, but not to exceed 10 percent of base U.S. salary excluding benefits. There is a ceiling on reimbursable salaries and wages paid to a person employed directly under the contract of the top level salary rate of FSR-1 (or the equivalent daily rate for FSR-1 if salary is not computed on an annual basis), unless advance written approval is given by the Contracting Officer.

2. Salaries During Travel

Salaries and wages paid while in travel status will not be reimbursed for a travel period greater than the time required for travel by the most direct and expeditious air route.

3. Return of Overseas Employees

Salaries and wages paid to an employee serving overseas who is discharged by the Contractor for misconduct or security reasons will in no event be reimbursed for a period which extends beyond the time required to return him promptly to his point of origin by the most expeditious air route plus accrued vacation leave.

4. Merit or Promotion Increases

Merit or promotion increases may not exceed those provided by the Contractor's established policy and practice. With respect to employees performing work overseas under this contract, one merit or promotion increase of not more than 5% of the employee's base salary may, subject to the Contractor's established policy and practice, be granted after employee's completion of each twelve month period of satisfactory services under the contract. Merit or promotion increases exceeding

the maximum salary of FBR-1 may be granted only with the advance written approval of the Contracting Officer.

5. Consultants

No compensation for consultants will be reimbursed unless their use under the contract has the advance written approval of the Contracting Officer; and if such provision has been made or approval given, compensation shall not exceed, without specific approval of the rate by the Contracting Officer, the current compensation or the highest rate of annual compensation received by the consultant during any full year of the immediately preceding three years. There is a ceiling on a reimbursable compensation for any consultant of \$100.00 per day and a total period of service for each consultant not to exceed 90 work days in any twelve month period, unless advance written approval is given by the Contracting Officer.

6. Third Country and Cooperating Country Nationals

No compensation for third country or Cooperating Country nationals will be reimbursed unless their use under the contract is authorized in the Schedule or has the prior written approval of the Contracting Officer. Salaries and wages paid to such persons may not, without specific written approval of the Contracting Officer, exceed either the Contractor's established policy and practice; or the level of salaries paid to equivalent personnel by the A.I.D. Mission in the Cooperating Country; or the prevailing rates in the Cooperating Country, as determined by A.I.D., paid to personnel of equivalent technical competence.

7. Work Week

(a) Non-Overseas Employees. The work week for the Contractor's

non-overseas employees shall not be less than the established practice of the Contractor.

(b) Overseas Employees. The work week for the Contractor's overseas employees shall not be less than 40 hours and shall be scheduled to coincide with the work week for those employees of the A.I.D. Mission and the Cooperating Country associated with the work of this contract.

B. Definitions

As used herein, the terms "Salaries", "Wages" and "Compensation" mean the periodic remuneration received for professional or technical services rendered exclusive of overseas differential or other allowances associated with overseas service, unless otherwise stated. The term "compensation" includes payments for personal services (including fees and honoraria). It excludes earnings from sources other than the individual's professional or technical work, overhead or other charges.

In addition, wherever the word "contract" appears in this Article, substitute the word "Agreement".

ARTICLE XIII - REPORTS

As set forth in Article IV of each Task Order.

ARTICLE XIII - ADDITIONAL PROVISIONS

A. Special Provision Concerning Cost Principles and Procedures

Whenever any reference appears in the Schedule or General Provisions to "FPR 1-15.2" delete and substitute therefor "FPR 1-15.3."

B. Modification of General Provision No. 6

In paragraph (a)(2) delete "\$30.00" and insert "\$40.00."

C. Substitution For General Provision No. 23.

Delete General Provision No. 23 and substitute therefor:

GP 23. INDIRECT COSTS (OVERHEAD) - PREDETERMINED

(a) Notwithstanding the provisions of any other clause of this Contract, the allowable indirect costs under this Contract shall be obtained by applying predetermined indirect cost rates to bases agreed upon by the parties, as specified below.

(b) The Contractor, as soon as possible, but not later than three (3) months after the expiration of his fiscal year, shall submit to the Contracting Officer, with a copy to the cognizant audit activity, a proposed predetermined indirect cost rate or rates based on the Contractor's actual cost experience during that fiscal year, together with supporting cost data. Negotiations of predetermined indirect cost rates shall be undertaken as promptly as practicable after receipt of the Contractor's proposal.

(c) Allowability of costs and acceptability of cost allocation methods shall be determined in accordance with the provisions of Subpart 1-15.3 (Principles for Determining Costs Applicable to Research and Development under Grants and Contracts with Educational Institutions) of the Federal Procurement Regulations as in effect on the date of this Contract.

(d) The results of each negotiation shall be set forth in a modification to this Contract, which shall specify (1) the agreed predetermined indirect cost rates, (2) the bases to which the rates apply, (3) the fiscal year unless the parties agree to a different period for which the rates apply, and (4) the specific items treated as direct costs or any changes in the items previously agreed to be direct costs.

(e) Pending establishment of predetermined indirect cost rates for any fiscal year or different period agreed to by the parties, the Contractor shall be reimbursed either at the rates fixed for the previous fiscal year or other period or at billing rates acceptable to the Contracting Officer subject to appropriate adjustment when the final rates for that fiscal year or other period are established.

(f) Any failure by the parties to agree on any predetermined indirect cost rates under this clause shall not be considered a dispute concerning a question of fact for decision by the Contracting Officer within the meaning of the "Disputes" clause of this Contract. If for any fiscal year or other period specified in the Schedule of this Contract the parties fail to agree to a predetermined indirect cost rate or rates, it is agreed that the allowable indirect costs under this Contract shall be obtained by applying negotiated final indirect cost rates in accordance with the terms of the "Indirect Costs (Overhead) - Negotiated" clause set forth in Part 7-16.951 E.O.H. (17) 7-7 of the A.I.D. Procurement Regulation as in effect on the date of this Contract.

(g) Allowable indirect costs for the period until the end of the Contractor's fiscal year during which performance begins, shall be obtained by applying the predetermined indirect cost rates set forth in the Schedule to the bases set forth therein.

D. H. Substitution For General Provision No. 25

E.O.H. Delete General Provision No. 25 and substitute therefor:

GP 25. EXAMINATION OF RECORDS

(a) The Contractor agrees that the Comptroller General of the United States or any of his duly authorized representatives shall,

until expiration of 3 years after final payment under this contract, or of the time periods for the particular records specified in Part 1-20 of the Federal Procurement Regulations (41CFR Part 1-20), whichever expires earlier, have access to and the right to examine any directly pertinent books, documents, papers, and records of the Contractor involving transactions related to this contract.

(b) The Contractor further agrees to include in all his subcontracts hereunder a provision to the effect that the subcontractor agrees that the Comptroller General of the United States or any of his duly authorized representatives shall, until expiration of 3 years after final payment under the subcontract, or of the time periods for the particular records specified in Part 1-20 of the Federal Procurement Regulations (41 CFR Part 1-20), whichever expires earlier, have access to and the right to examine any directly pertinent books, documents, papers, and records of such subcontractor, involving transactions related to the subcontract. The term "subcontract" as used in this clause excludes (1) purchase orders not exceeding \$2,500 and (2) subcontracts or purchase orders for public utility services at rates established for uniform applicability to the general public.

E. Substitution For General Provision No. 27

Delete General Provision No. 27 and substitute therefor:

GP 27. AUDIT AND RECORDS

(a) The Contractor shall maintain books, records, documents, and other evidence and accounting procedures and practices,

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sufficient to reflect properly all direct and indirect cost of whatever nature claimed to have been incurred and anticipated to be incurred for the performance of this contract. The foregoing constitute "records" for the purposes of this clause.

(b) The Contractor's plants, or such part thereof as may be engaged in the performance of this contract, and his records shall be subject at all reasonable times to inspection and audit by the Contracting Officer or his authorized representatives. In addition, for purposes of verifying that cost or pricing data submitted, in conjunction with the negotiation of this contract or any contract change or other modification involving an amount in excess of \$100,000, were accurate, complete, and current, the Contracting Officer, or his authorized representatives, shall, until the expiration of 3 years from the date of final payment under this contract, or of the time periods for the particular records specified in Part 1-20 of the Federal Procurement Regulations (41 CFR Part 1-20), whichever expires earlier, have the right to examine those books, records, documents, papers, and other supporting data which involve transactions related to this contract or which will permit adequate evaluation of the cost or pricing data submitted, along with the computations and projections used therein.

(c) The Contractor shall preserve and make available his records (1) until the expiration of 3 years from the date of final

payment under this contract, or of the time periods for the particular records specified in 41 CFR Part 1-20, whichever expires earlier, and (2) for such longer period, if any, as is required by applicable statute, or by other clauses of this contract, or by (i) or (ii) below.

(i) If the contract is completely or partially terminated, the records relating to the work terminated shall be preserved and made available for a period of 3 years from the date of any resulting final settlement.

(ii) Records which relate to (A) appeals under the "Disputes" clause of this contract, (B) litigation or the settlement of claims arising out of the performance of this contract, or (C) costs and expenses of this contract as to which exception has been taken by the Contracting Officer or any of his duly authorized representatives, shall be retained until such appeals, litigation, claims, or exception have been disposed of.

(d) (1) The Contractor shall insert the substance of this clause, including the whole of this paragraph (d), in each subcontract hereunder that is not firm fixed-price or fixed-price with escalation. When so inserted, changes shall be made to designate the higher-tier subcontractor at the level involved in place of the Contractor; to add "of the Government prime contract" after "Contracting Officer"; and to substitute "the Government prime contract" in place of "this contract in (B) of paragraph (c) above.

(2) The Contractor shall insert the substance of the following clause in each firm fixed-price or fixed-price with escalation subcontract

hereunder which when entered into exceeds \$100,000, except those subcontracts covered by subparagraph (3) below:

AUDIT

(a) For purposes of verifying that certified cost or pricing data submitted in conjunction with the negotiation of this contract or any contract change or other modification involving an amount in excess of \$100,000, were accurate, complete, and current, the Contracting Officer of the Government prime contract, or his authorized representatives, shall, until the expiration of 3 years from the date of final payment under this contract, or of the time periods for the particular records specified in Part 1-20 of the Federal Procurement Regulations (41 CFR Part 1-20), whichever expires earlier, have the right to examine those books, records, documents, papers, and other supporting data which involve transactions related to this contract or which will permit adequate evaluation of the cost or pricing data submitted, along with the computations and projections used therein.

(b) The subcontractor agrees to insert this clause, including this paragraph (b), in all subcontracts hereunder which when entered into exceed \$100,000 unless the price is based on adequate price competition, established catalog or market prices of commercial items sold in substantial quantities to the general public or prices set by law or regulation.

(3) The Contractor shall insert the following clause in each firm fixed price or fixed-price with escalation subcontract hereunder which when entered into exceeds \$100,000 where the price is based on adequate price competition, established catalog or market prices of commercial

items sold in substantial quantities to the general public or prices set by law or regulation.

AUDIT-PRICE ADJUSTMENTS

(a) This clause shall become operative only with respect to any change or other modification of this contract, which involves a price adjustment in excess of \$100,000 unless the price adjustment is based on adequate price competition, established catalog or market prices of commercial items sold in substantial quantities to the general public or prices set by law or regulation: Provided, that such change or other modification to this contract must result from a change or other modification (1) to the Government prime contract, or (2) authorized under the provisions of the Government prime contract.

(b) For purposes of verifying that any certified cost or pricing data submitted in conjunction with a contract change or other modification were accurate, complete, and current, the Contracting Officer of the Government prime contract, or his authorized representatives, shall, until the expiration of 3 years from the date of final payment under this contract, or of the time periods for the particular records specified in Part 1-20 of the Federal Procurement Regulations (41 CFR Part 1-20), whichever expires earlier, have the right to examine those books, records, documents, papers, and other supporting data which involve transactions related to this contract or which will permit adequate evaluation of the cost or pricing data submitted, along with the computations and projections used therein.

(c) The subcontractor agrees to insert the substance of this clause including this paragraph (c) in all subcontracts hereunder

which when entered into exceed \$100,000.

F. Special Provision Regarding General Provision No. 40

The provisions of General Provision No. 40 will apply only to those reports and recommendations which the cognizant technical office of A.I.D. and the Contractor agree are to be held confidential. Said agreement is to be evidenced in writing. All other reports and recommendations are to be made fully available.

G. Modification of General Provision No. 41

Delete "race, creed, color or national origin" wherever it appears and insert "race color, religion, sex or national origin."

H. Add "Attachment A" entitled "Government Property" which is attached hereto and made a part hereof.

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APPENDUM "A"

TASK ORDER NO. _____

BASIC ORDERING AGREEMENT NO. AID/csd-_____

NEGOTIATED PURSUANT TO THE FOREIGN ASSISTANCE ACT
OF 1951, AS AMENDED, AND EXECUTIVE ORDER 11223

AUTHORIZED ORDERING ACTIVITY	CONTRACTOR (NAME AND ADDRESS)
Cognizant Scientific/Technical Office	Name
Execution Data	Street Address
Term of Performance	City. State. Zip Code
From _____ To _____	MAIL VOUCHERS (original and 3 copies) TO: Agency for International Development Office of Controller Washington, D. C. 20523

ACCOUNTING AND APPROPRIATION DATA

Amount Obligated: _____
Appropriation No.: _____
Allotment No.: _____
PRO/T _____

The United States of America, hereinafter called the Government, represented by the Contracting Officer executing this Task Order, and the Contractor, agree as follows: (1) That the Contractor shall perform all the services set forth in this Task Order; (2) That this Task Order is issued pursuant to the terms of Basic Ordering Agreement No. AID/csd-2608, and, (3) That the entire contract between the parties hereto consists of: (a) This Task Order including the Cover Page, the Schedule and Additional Provisions (if any); and (b) Basic Ordering Agreement No. AID/csd-2608

NAME OF CONTRACTOR	UNITED STATES OF AMERICA
BY (Signature of Authorized Individual)	AGENCY FOR
TYPED OR PRINTED NAME	INTERNATIONAL DEVELOPMENT
TITLE	BY (Signature of Contracting Officer)
DATE	TYPED OR PRINTED NAME
	TITLE
	DATE
	Contracting Officer

Government of Louisiana

(c) Government-furnished property

The Government shall deliver to the Contractor, for use in connection with and under the terms of this Contract, the property described as Government-furnished property in the Schedule or specifications, together with such related data and information as the Contractor may request and as may reasonably be required for the intended use of such property (hereinafter referred to as "Government-furnished property"). The delivery or performance dates for the supplies or services to be furnished by the Contractor under this Contract are based upon the expectation that Government-furnished property suitable for use will be delivered to the Contractor at the times stated in the Schedule or, if not so stated, in sufficient time to enable the Contractor to meet such delivery or performance dates. In the event that Government-furnished property is not delivered to the Contractor by such time or times, the Contracting Officer shall, upon timely written request made by the Contractor, make a determination of the delay, if any, occasioned the Contractor and shall equitably adjust the estimated cost, fixed fee, or delivery or performance dates, or all of them, and any other contractual provisions affected by any such delay, in accordance with the procedures provided for in the clause of this Contract entitled "Changes". In the event that Government-furnished property is received by the Contractor in a condition not suitable for the intended use, the Contractor shall, upon receipt thereof, notify the Contracting Officer of such fact and, as directed by the Contracting Officer, either (1) return such property at the Government's expense or otherwise discontinue use of the property or

(11) effect upon the contract. Upon completion of (i) or (ii) above, the Contracting Officer shall, at the request of the Contractor, shall equitably adjust the estimated cost, final fee, or delivery or performance dates, or all of them, and any other contractual provision affected by the return or disposition, or the repair or modification in accordance with the procedures provided for in the clause of this Contract entitled "Changes". The foregoing provisions for adjustment are exclusive and the Government shall not be liable to suit for breach of Contract by reason of any delay in delivery of Government-furnished property or delivery of such property in a condition not suitable for its intended use.

(b) Changes in Government-furnished Property

(1) By notice in writing, the Contracting Officer may (i) decrease the property provided by the Government under this Contract, or (ii) substitute other Government-owned property for property to be provided by the Government, or to be acquired by the Contractor for the Government, under this Contract. The Contractor shall promptly take such action as the Contracting Officer may direct with respect to the removal and shipping of property covered by such notice.

(2) In the event of any decrease in or substitution of property pursuant to Subparagraph (1) above, or any withdrawal of authority to use property provided under any other contract or lease, which property the Government had agreed in the schedule to make available for the performance of this Contract, the Contracting Officer, upon the written request of the Contractor (or, if the substitution of property causes a decrease in the cost of performance, on his own initiative), shall equitably adjust such contractual

provided to any person by the Government, and, further, or which shall, in accordance with the provisions provided for in the "Changes" clause of this Contract.

(e) Title:

Title to all property furnished by the Government shall remain in the Government. In order to define the obligations of the parties under this clause, title to each item required by the Contractor pursuant to this Contract shall pass to and vest in the Government upon purchase. All Government-furnished property, together with all property acquired by the Contractor title to which vests in the United States Government under this paragraph, is subject to the provisions of this clause and is hereinafter collectively referred to as "Government Property". Title to Government property shall not be affected by the incorporation or attachment thereof to any property not owned by the Government, nor shall such Government property, or any part thereof, be or become a fixture or lose its identity or personality by reason of affixation to any realty.

(d) Use of Government Property

The Government property shall, unless otherwise provided herein or approved by the Contracting Officer, be used only for the performance of this Contract.

(e) Maintenance and Repair of Government Property

The Contractor shall maintain and administer in accordance with sound business practice a program for the maintenance, repair, protection and preservation of Government property so as to insure its full availability and usefulness for the performance of this Contract. The Contractor shall

readily ascertainable. A current list of all items of property acquired or furnished under the contract shall be submitted concurrently with the annual report.

(2) Maintenance Program - The Contractor's maintenance program shall be such as to provide for, consistent with sound industrial practice and the terms of the Contract: (i) disclosure of need for and the performance of preventive maintenance, (ii) disclosure and reporting of need for capital type rehabilitation, and (iii) recording of work accomplished under the program.

(4) Preventive Maintenance - Preventive maintenance is maintenance generally performed on a regularly scheduled basis to prevent the occurrence of defects and to detect and correct minor defects before they result in serious consequences.

(B) Records of Maintenance - The Contractor's maintenance program shall provide for records sufficient to disclose the maintenance actions performed and deficiencies disclosed as a result of inspections.

A report of status of maintenance of Government property shall be submitted annually concurrently with the annual report.

(f) Risk of Loss

(1) The Contractor shall not be liable for any loss of or damage to the Government property, or for expenses incidental to such loss or damage, except that the Contractor shall be responsible for any such loss or damage (including expenses incidental thereto):

(i) which results from willful misconduct or lack of good faith on the part of any of the Contractor's directors or officers, or on the part of any of his managers, superintendents, or other equivalent representatives,

5.
take all reasonable steps to comply with all orders, directions or instructions which the Contracting Officer may prescribe as reasonably necessary for the protection of the Government property.

The Contractor shall submit, for the review and written approval of the Contracting Officer, a records system for property control and a program for orderly maintenance of Government property:

(1) Property Control - The property control system shall include but not be limited to the following:

(i) Identification of each item of Government property acquired or furnished under the Contract, by a serially controlled identification number and by description of item. Each item must be clearly marked "Property of U.S. Government".

(ii) The price of each item of property acquired or furnished under the Contract.

(iii) The location of each item of property acquired or furnished under the Contract.

(iv) A record of any usable components which are permanently removed from items of Government property as a result of modification or otherwise.

(v) A record of disposition of each item acquired or furnished under the Contract.

(vi) Date of order and receipt of any item acquired or furnished under the Contract.

The official property control records shall be kept in such condition that at any stage of completion of the work under this Contract, the status of property acquired or furnished under this Contract may be

() The Contractor shall be responsible for and shall include as an item of contract, the cost of insurance, or a contribution for a retentive, covering the risk of loss of or damage to the Government property, except to the extent that the Government may have required the Contractor to carry such insurance under any other provision of this Contract.

(3) Upon the happening of loss or destruction of or damage to the Government property, the Contractor shall notify the Contracting Officer thereof, shall take all reasonable steps to protect the Government property from further damage, separate the damaged and undamaged Government property, put all the Government property in the best possible order, and furnish to the Contracting Officer a statement of:

- (i) the lost, destroyed, and damaged Government property;
- (ii) the time and extent of the loss, destruction, or damage;
- (iii) all known interests in commingled property of which the Government property is a part; and
- (iv) the insurance, if any, covering any part of or interest in such commingled property.

The Contractor shall make repairs and renovations of the damaged Government property or take such other action as the Contracting Officer directs.

(4) In the event the Contractor is indemnified, reimbursed, or otherwise compensated for any loss or destruction of or damage to the Government property, he shall use the proceeds to repair, renovate or replace the Government property involved, or shall credit such proceeds against the cost of the work covered by the Contract, or shall otherwise reimburse the Government,

as directed by the Contracting Officer. The Contractor shall, at all times, preserve the Government's right to search, seize, inspect, and copy such laws, construction, or drawings, and upon the request of the Contracting Officer, shall, at the Government's expense, furnish to the Government all reasonable assistance and cooperation (including assistance in the prosecution of suit and the execution of instruments of assignment in favor of the Government) in obtaining recovery.

(g) Access

The Government, and any persons designated by it, shall at all reasonable times have access to the premises wherein any Government property is located, for the purpose of inspecting the Government property.

(h) Disposition of Government Property

Upon completion or expiration of this Contract, any Government property which has not been consumed in the performance of this Contract, or which has not been disposed of as provided for elsewhere in this clause, or for which the Contractor has not otherwise been relieved of responsibility, shall be disposed of in the same manner, and subject to the same procedures, as is provided in the clause of this Contract entitled "Termination for the Convenience of the Government" with respect to termination inventory. Pending final disposition of such property, the Contractor agrees to take such action as may be necessary, or as the Contracting Officer may direct, for the protection and preservation thereof.

(i) Communications

All communications issued pursuant to this clause shall be in writing.

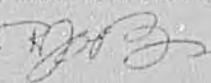
9310979-⑥
PD-AA6-220

AID 350-1X (9-70) PIO/T	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	1. Cooperating Country Worldwide	Page 1 of 1 Pages
		2. PIO/T No. 931-11-995-878-73-3103004	3. <input type="checkbox"/> Original or Amendment No. <u>1</u>
		4. Project/Activity No. and Title Environmental Aspects of Development Projects (Smithsonian Institution) A	

DISTRIBUTION	5. Appropriation Symbol		6.A. Allotment Symbol and Charge 095-31-099-00-20-01		6.B. Funds Allotted to: <input checked="" type="checkbox"/> A.I.D./w. <input type="checkbox"/> Mission	
	7. Obligation Status <input checked="" type="checkbox"/> Administrative Reservation <input type="checkbox"/> Subobligation				8. Funding Period (Mo., Day, Yr.) From <u>6/30/70</u> to <u>6/29/72</u>	
	9.A. Service to Start (Mo., Day, Yr.) Between <u>April 28, 1971</u> and <u>June 29, 1971</u>				9.B. Completion date of Services (Mo., Day, Yr.) <u>6/29/72</u>	
	10.A. Type of Action <input checked="" type="checkbox"/> A.I.D. Contract <input type="checkbox"/> Country Contract <input type="checkbox"/> Participating Agency Service Agreement <input type="checkbox"/> Other:					
	10.B. Authorized Agent					
	Estimated Financing		(1)	(2)	(3)	(4)
	\$1.00 =		Previous Total	Increase	Decrease	Total to Date
	11. Maximum A.I.D. Financing	A. Dollars	\$98,730			\$98,730
		B. U.S.-Owned Local Currency				
	12. Cooperating Country Contributions	A. Counterpart				
B. Other						

13. Mission References N.A.	14. Instructions to Authorized Agent This PIO/T amendment is for the purpose of changing Task Order No. 1 of Basic Ordering Agreement No. AID/csd-2698 with the Smithsonian Institution as follows: The Term of Performance should be from June 30, 1970 to June 29, 1972. The face sheet and Article II, page 2, of the Task Order should be modified accordingly. This one-year extension is to be made within existing fund obligations.
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15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.	
A. The specifications in the scope of work are technically adequate	B. Funds for the services requested are available
C. The scope of work lies within the purview of the initiating office and approved Agency Programs	D. BEST COPY AVAILABLE
E.	F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to	17. For the Agency for International Development R. J. O'Brien  Signature: Title: CONTRACTING OFFICER, PROC/CSD	18. Date of Signature JAN 7 1971
Signature and date:		
Title:		

PROJECT AUTHORIZATION

Reference Center

Proc. 1045-48

1. PROJECT NUMBER 931-11-995-873	3. COUNTRY AID/Washington TAB	4. AUTHORIZATION NUMBER 0061
2. PROJECT TITLE Environmental Aspects of Development Projects (Smithsonian Institution)		5. AUTHORIZATION DATE April 13, 1970
7. LIFE OF PROJECT		6. PROP DATED March 23, 1970

a. Number of Years of Funding: 5
Starting FY 1970; Terminal FY 1974

b. Estimated Duration of Physical Work
After Last Year of Funding (in Months): 12

FUNDING BY FISCAL YEAR (in U.S. \$ or \$ equivalent)	DOLLARS		P.L. 480 CCC + FREIGHT	LOCAL CURRENCY			
	GRANT	LOAN		Exchange Rate: \$1 =		HOST COUNTRY	
				U.S. OWNED	LOAN	JOINTLY PROGRAMMED	OTHER
Prior through Actual FY	-						
Operational FY	100,000						
Budget FY	150,000						
B + 1 FY	250,000						
B + 2 FY	300,000						
B + 3 FY	200,000						
All Subsequent FY's							
TOTAL	1,000,000						

9. DESCRIBE SPECIAL FUNDING CONDITIONS OR RECOMMENDATIONS FOR IMPLEMENTATION, AND LIST KINDS AND QUANTITIES OF ANY P.L. 480 COMMODITIES

10. CONDITIONS OF APPROVAL OF PROJECT

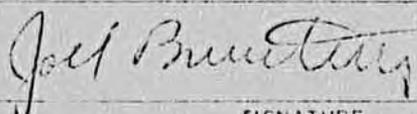
While the projected life of the project is five years, the initiation of country program activity which generates case studies and analysis similar to that here contemplated may permit scaling down or termination of the project at an earlier date. Continuation of the project beyond the third year shall therefore be subject to review to determine whether the level of non-centrally funded case study activity will produce a sufficient body of knowledge of the kind required.

(Use continuation sheet if necessary)

11. Approved in substance for the life of the project as described in the PROP, subject to the conditions cited in Block 10 above, and the availability of funds. Detailed planning with cooperating country and drafting of implementation documents is authorized.

This authorization is contingent upon timely completion of the self-help and other conditions listed in the PROP or attached thereto.

This authorization will be reviewed at such time as the objectives, scope and nature of the project and/or the magnitudes and scheduling of any inputs or outputs deviate so significantly from the project as originally authorized as to warrant submission of a new or revised PROP.

A.I.D. APPROVAL	CLEARANCES	DATE
 SIGNATURE	Mrs. Belcher, ATR/TAC (in sub)	
	Mr. R. Johnson, EA/TECH (in sub)	
AA TA Assistant Administrator TITLE	Mr. A. Jacobs, VI/ND (in sub)	
	Mr. J. Blume, NESA/TECH (in sub)	
Bureau for Technical Assistance	Mr. R. Black, IA/SCD (in sub)	
	Mr. K. Vernon, ENG (in sub)	
	Mr. S. Brown, PPC/PRB (in sub)	
	Mr. G. Schweitzer, TA/OST	3/23/70

NON-CAPITAL PROJECT PAPER (PROP)

INTERREGIONAL PROJECT

AID/Washington, Technical Assistance Bureau, Office of Science and Technology

PROJECT TITLE: Environmental Aspects of Development Projects
(Smithsonian Institution)

PROJECT NO.: _____ ORIGINAL: X

SUBMISSION DATE: March 26, 1970

OBLIGATION SPAN: FY 1970 - 1974 IMPLEMENTATION SPAN: FY 1970 - 1975

FY 1970	\$ 100,000
FY 1971	150,000
FY 1972	250,000
FY 1973	300,000
FY 1974	<u>200,000</u>
	\$1,000,000

NON-CAPITAL PROJECT PAPER

ENVIRONMENTAL ASPECTS OF DEVELOPMENT PROJECTS (SMITHSONIAN INSTITUTION)

1. Summary Description

A. Objectives

This project is intended to : a) develop background, knowledge and understanding of the nature, intensity and trends of environmental degradation in less-developed countries; b) assess LDC awareness of and capability to create a capacity to deal with environmental aspects of their development plans, using selected countries for in-depth studies; and c) begin to develop a U.S. institutional base for expertise in the environmental field as it relates to development problems in the LDCs through mobilization of these resources.

B. Project Description

Under this project U.S. and host country scientists will conduct jointly macro-ecological surveys of environmental changes in selected A.I.D.-recipient countries. The results of these surveys will be published jointly in the U.S. and the host country to encourage institutional development in this field both at home and abroad. Particular attention will be given to case studies of the environmental effects of past development projects in the categories of primary concern identified below with the view to producing "early warning" manuals based on these and previously conducted studies that will assist in anticipating ecological effects of future development projects. It is expected that such studies will be conducted over a five-year period. During 1970 two or three A.I.D.-recipient countries will be selected for pilot studies, taking into account the views of the concerned A.I.D. Missions. The selection criteria for these studies will include:

(1) Does the country have the scientific capability to participate in the project?

(2) Is there at least an embryonic organizational mechanism in the country where A.I.D. institution-building efforts attendant to this project can be centered?

(3) Are there suspected environmental problems of broad international interest?

(4) Will the country cooperate fully, possibly contributing funds and resources to make the study a joint project?

Is there a wide variety of suspected environmental problems that are also of concern in other countries?

C. Justification

During the past year the President has repeatedly stressed that there is "no challenge more urgent than that of bringing 20th century man and his environment to terms with one another -- of making the world fit for man." The President has emphasized that "the task of protecting man's environment is a matter of international concern" and has pledged "new international initiatives toward restoring the balance of nature."

One of the fundamental purposes of the National Environmental Policy Act of 1969, signed by the President on January 1, 1970, is "to promote efforts which will prevent or eliminate damage to the environment and biosphere, and stimulate the health and welfare of man." The Act declares, inter alia, that "all agencies of the Federal Government shall...recognize the worldwide and long-range character of environmental problems and, where consistent with foreign policy of the United States, lend appropriate support to initiatives, resolutions and programs designed to maximize international cooperation in anticipating and preventing a decline in the quality of mankind's world environment." The Act calls for an annual Presidential report to Congress, beginning July 1, 1970, which will review programs and activities of the Federal Government and their effect on the environment.

AID will play a key role in the implementation of this new national policy in many areas of the world. This project will provide AID with a new capability in its increased efforts to place development projects in a context that takes into fuller account the impact of man's activities in the physical and biological environment.

D. Life-of-Project Costs

In recognition that only a sustained effort will have a meaningful impact on institution building processes, it is expected that this project will continue for five years, provided the resources that are mobilized to carry out the project can be applied as an effective asset in achievement of AID objectives. Also, a long-term effort is essential to attract the highest quality personnel to participate in these efforts and to permit the in-depth analyses, the experimentation, and the follow-through needed to have an impact on development activities.

The projected annual funding to be provided by AID is as follows:

FY 1970	100,000
FY 1971	150,000
FY 1972	250,000
FY 1973	300,000
FY 1974	200,000

Enclosure 1 sets forth a more detailed estimate of the funding requirements. Additionally, the Smithsonian Institution and the cooperating host country institutions are expected to contribute the services of leading scientists to the project.

II. Setting in the Developing Countries

A. Problem Areas

While the entire development process has some effect on the environment, five problem areas have been identified as deserving priority attention. There may be foreign development assistance efforts which, if continued, might further aggravate these problems unless adequate remedial measures are taken.

(a) Pesticides, herbicides, and chemical fertilizers are being used by organizations in developing countries which may have limited knowledge of the potential impact of these substances on the environment. Substances which are known to be toxic are being spread, and other substances are being used in ways which are known to be harmful, such as indiscriminate use of pesticides which destroys biota elements -- including parasites and predators -- necessary for natural pest control. The demand for these substances will continue to grow as agricultural production continues to increase throughout the developing countries.

(b) The prevalence of certain diseases -- malaria, schistosomiasis, river blindness -- is being intensified in some areas as a result of the manipulation of water distribution patterns. The creation of artificial lakes, development of broad irrigation systems, and alteration of river networks require particular attention.

(c) Certain large engineering development undertakings, and particularly river plain development projects, are having unanticipated effects, including destruction of agricultural lands, depletion of water resources, and displacement of local populations. Also, destruction of animal, plant, and other natural resources is occurring from inadequately planned activities.

(d) The overall strategy for economic development of large regions can have an adverse effect on the regional ecology, including agricultural productivity and population distribution. Irrigation schemes have resulted in excessive silt accumulations, salinity and aquatic weed buildup while land development has frequently been accompanied by soil erosion and destruction.

(e) The overpopulation of many cities has resulted in suburban slum areas with attendant diseases and economic and social dislocations. Sewage disposal is a critical problem. These slum areas can also result in undesirable infringements on previously productive agricultural areas, and pollution of the soil, air, and water accompanying these slums affects broad geographical areas.

There are other environmental problems of concern in specific country situations including, for example, air pollution, discharge of raw sewage into streams, and land development that wastes wildlife and other natural resources.

In some instances the environmental problems in developing countries are easy to identify, while in other cases they are difficult to anticipate. The impact of certain types of environmental change is confined to small geographical areas, but other types, such as water pollution, can affect many nations and may even extend worldwide. Perhaps of most immediate concern to the developing countries are environmental effects of development projects which retard near-term economic progress -- e.g., pesticide applications which reduce agricultural productivity, river basin development which depletes water resources, and schistosomiasis which is disabling tens of millions of people.

B. Capabilities in the Developing Countries

There is only limited awareness in the developing countries of the factors leading to environmental degradation. There is, however, a growing concern over the consequences of man's activities. The greatest needs now are trained and experienced specialists and responsible institutions in the developing countries which can direct their attention to the problem. Both of these factors are currently in scarce supply (e.g., there are only four senior environmental biologists in all of Latin America), and this project is intended to assist in developing the needed capabilities, by generating the awareness and interest that will lead to subsequent host country effort.

C. The Role of the United Nations

Representatives of a number of developing countries are playing an active role in recent United Nations efforts to mobilize international resources in the environmental field. The United States is committed to concerted international action in the environmental field through the UN family of organizations, NATO, OECD, and other interested bodies such as aid consortia and consultative groups. UN leadership will be of particular importance since other nations and certain international organizations have environmental expertise perhaps lacking in the United States. Also, the international educational process attendant to such concerted action is important in dealing with the developing countries where environmental change is often considered in terms of aesthetics rather than in its totality including the economic impact. Finally, a coordinated approach is essential, since there are usually

several donor nations and international organizations involved in a major development project. Of particular importance is the consistency of policies of AID with those of World Bank, IADB, UNDP, FAO, WHO, UNESCO, UNIDO, and the participants in the Development Advisory Committee of OECD.

Thus, the other concerned agencies will be informed of the project, and activities will be coordinated to the extent necessary to insure maximum benefits from the project.

III. Current AID Involvement in Environmental Activities

In recent years AID programs have increasingly emphasized more effective use of the physical and biological environment over the long-term, with attendant benefits to the economic and social environment, and for a number of years many AID programs have been directed to the concerns that underlie the recent international concern over environmental quality. Of particular current concern are activities of man in the developing countries that degrade the physical and biological environment. In many instances the social and economic benefits from such activities may outweigh the consequences of such changes, but often these consequences are not understood or even fully recognized in advance.

Environmental considerations are related to the programs of many AID/W offices and AID Missions. They cut across a broad range of AID activities. Environmental policies are being reflected in activities covered by a wide variety of Manual Orders, programming procedures, loan and grant policies, sectoral analyses, and research priorities.

TA/OST provides a focal point for coordinating Agency-wide activities and the AID Interbureau Committee on Science and Technology serves as a forum for considering major issues. Existing interbureau mechanisms in the fields of agriculture, health, and engineering consider specialized environmental questions of particular concern in these areas. However, it is necessary to supplement existing in-house expertise in this field through appropriate arrangements with other Government agencies and scientific institutions.

The new Office of Environmental Affairs of the Department of State is expected to take the lead in developing a general international environmental policy framework and to coordinate the activities of the other Departments and Agencies of the U.S. Government concerned with international environmental activities. The details of foreign assistance programming will continue to be the responsibility of AID, and it will be necessary for AID to coordinate its efforts concerning environmental quality closely with the international lending agencies, the foundations, and the U.S. private business sector.

IV. Alternative Strategies

A. Alternative 1 - Continue as in the Past

A continuation of the past ad hoc arrangements of occasionally including an environmental factor in a development project is an inadequate response to current international and national concern over environmental quality. Furthermore, the neglect of environmental consideration in planning and implementing development projects could in the long run retard rather than accelerate economic progress.

B. Alternative 2 - Expanded In-house Efforts

Although an increased in-house effort is underway, it is not feasible to mobilize within AID the quantity or quality of expertise needed, particularly in the field of ecology.

C. Alternative 3 - Heavier Reliance on One or Several Universities, Non-Profit Organizations, or Commercial Firms

No single private organization or group of private organizations has the international institutional contacts as well as the capability to mobilize the level and spectrum of expertise to carry out this project in a manner that will provide the major increase in AID capabilities envisioned.

D. Alternative 4 - Utilize the Resources of the Smithsonian Institution

The Smithsonian Institution has long been recognized in many developing as well as developed countries as one of the leading U.S. scientific institutions, particularly in the field of ecology. It has established a network of scientific collaborators throughout the world and has direct ties with many similarly prestigious institutions, which are supported by political leaders as well as scientific interests in a number of AID-recipient countries. This project is intended to build on these international contacts in directly involving host country scientists in assessing local environmental problems. Enclosure 2 describes the general nature of scientific activities of the Smithsonian and recent Smithsonian efforts in the environmental field.

V. Course of Action

A. Project Implementation

This type of project was recommended by an advisory panel on environmental quality convened by the National Academy of Sciences on January 9, 1970, at the request of AID. All AID regional bureaus have endorsed the project and all AID Missions have been asked to suggest specific case studies that would be of interest. (Enclosure 2)

Of particular assistance in determining in detail the most effective use of the Smithsonian Institution will be preliminary country surveys currently being conducted by all AID Missions. They have been requested to identify on a preliminary basis and to the extent feasible those environmental problems that are of particular concern in the host countries. While it is recognized that the Missions are not equipped to conduct detailed analyses of the interactions among population growth, economic development, and the state of the physical and biological environment, identification in very general terms of the more obvious environmental problems will be very useful in providing guidelines for subsequent analyses.

At the request of AID, the Smithsonian Institution has submitted a proposal which will provide a good point of departure in developing the project. (Enclosure 1) Following completion of contractual arrangements, the Smithsonian Institution will make a preliminary analysis of specific potential case studies, utilizing comments received from AID Missions. Then, in consultation with the concerned AID offices, selection of specific case studies will be made.

B. Central Funding

Central funding is warranted for this project for the following reasons:

(1) This is a pioneering effort with attendant risks that a specific effort may not produce tangible results. Such innovative efforts are appropriately funded centrally.

(2) The results of case studies in one country should have relevance in other countries.

(3) Assured central funding will enable the Smithsonian to provide a high quality staff critical to the success of the entire effort.

(4) Close interaction between the case study activities and the advisory services to AID/W can best be assured through a single funding source.

These centrally funded arrangements are not intended to replace other normal contractual arrangements between AID and the Smithsonian for services in the environmental and other fields of special interest to specific AID offices and missions. Indeed, the capability of the Smithsonian to respond to requests for such services will be significantly enhanced by the centrally funded contract which will provide a strong nucleus of activities which can be readily expanded to meet such requests. Also, the centrally funded contract will provide a contractual mechanism under which task orders for such services can be developed.

C. Coordination with NAS

The activities of the Smithsonian in implementing this contract will be closely coordinated with those of NAS being carried out under the project for strengthening the scientific and technological capabilities of the developing countries. This coordination will be especially useful in project identification and formulation.

AID 1350-1 (9-70)	DEPARTMENT OF STATE AGENCY FOR INTERNATIONAL DEVELOPMENT	1. Cooperating Country A.I.D./TAB	Page 1 of 4 Pages
		2. PIO/T No. 931-11-995-878-73-3128909	3. <input checked="" type="checkbox"/> Original or Amendment No. _____
PIO/T	PROJECT IMPLEMENTATION ORDER/TECHNICAL SERVICES	4. Project/Activity No. and Title Environmental Aspects of Development Projects (Smithsonian Institution)	

DISTRIBUTION	5. Appropriation Symbol 72-1121006	6.A. Allotment Symbol and Charge 256-31-099-00-20-21	6.B. Funds Allotted to: <input checked="" type="checkbox"/> A.I.D. w <input type="checkbox"/> Mission		
	7. Obligation Status <input checked="" type="checkbox"/> Administrative Reservation <input type="checkbox"/> Subobligation		8. Funding Period (Mo., Day, Yr.) From 11-15-71 to 5-15-73		
9.A. Service to Start (Mo., Day, Yr.) Between 11/10/71 and 12/1/71		9.B. Completion date of Services (Mo., Day, Yr.) June 15, 1973			
10.A. Type of Action <input checked="" type="checkbox"/> A.I.D. Contract <input type="checkbox"/> Cooperating Country Contract <input type="checkbox"/> Participating Agency Service Agreement <input type="checkbox"/> Other:					
10.B. Authorized Agent A.I.D./W					
Estimated Financing		(1)	(2)	(3)	(4)
\$1.00 =		Previous Total	Increase	Decrease	Total to Date
11. Maximum A.I.D. Financing	A. Dollars		\$100,000		\$100,000
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References	14. Instructions to Authorized Agent This project is intended to: (a) Develop background, knowledge, and understanding of the nature, intensity and trends of the environmental impacts of selected types of development activities in less developed countries; (b) assess LDC awareness and capability to create a capacity to deal with environmental aspects of their development plans using selected countries for in-depth studies; and (c) develop a U.S. institutional base for expertise in the environmental field as it relates to development problems in the LDCs through mobilization of these resources.
------------------------	---

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.	
A. The specifications in the scope of work are technically adequate Bill L. Long - TA/OST <i>BL</i>	B. Funds for the services requested are available John H. Kean - TA/PM
C. The scope of work lies within the purview of the initiating office and approved Agency Programs Glenn E. Schweitzer - TA/OST <i>GES</i>	D. <div style="border: 1px solid black; padding: 5px; display: inline-block;">FUNDS RESERVED BY <i>MCM</i> POSTED 11/17/71</div>
E.	F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to Signature and date: _____ Title: _____	17. For the Agency for International Development Signature: Kenneth S. Levick Title: Director, TA/PM	18. Date of Issuance
--	--	----------------------

SCOPE OF WORK

19. Scope of Technical Services

A. Objective for which the Technical Services are to be Used

B. Description The Smithsonian Institution will expand the environmental case studies initiated under PIO/T 931-11-995-878-73-3103004 and PIO/T 931-11-995-878-3118001 to include two additional countries. The selection criteria will be the same as applied in the previous effort with primary emphasis accorded Mission responses to Circular A-668 identifying priority environmental problems. Final selection of projects and countries will be on the suggestion and approval of A.I.D. country and regional offices as well as A.I.D./W TA/OST. After establishing suitable host country interest and its willingness to contribute resources, Smithsonian teams and host country scientists, planners and managers will jointly conduct surveys of particular problems, identifying origins, trends, and possible remedial actions. The information developed will be synthesized with that from previous studies of similar problems elsewhere and presented in the form of "early warning" manuals to assist in anticipating and predicting ecological effects of future development projects.

C. Technicians

(1) (a) Number	(b) Specialized Field	(c) Grade and/or Salary	(d) Duration of Assignment (Man-Months)
8	U.S. Consultants	N.A.	8
2	Foreign Consultants	N.A.	3

NOTE: Salaries of Principal Investigator and Secretaries will be borne by Smithsonian Institution (total of 18 months). Program Director's salary paid under first task order.

(2) Duty Post and Duration of Technicians' Services
 Washington, D.C. ---- 18 months

(3) Language requirements

(4) Access to Classified Information
 None

(5) Dependents Will Will Not Be Permitted to Accompany Technician

D. Financing of Technical Services

(1) By AID - \$ 90,000 (2) By Cooperating Country - Unknown

PIO/T

A.T.D./W - TAB
Project/Activity No. and Title

Environmental Aspects of Development Projects (Smithsonian Institution)

20. Equipment and Supplies (Related to the services described in Block 19 and to be procured outside the Cooperating Country by the supplier of these services)

A. (1) Quantity	(2) Description	(3) Estimated Cost	(4) Special Instructions
	Collection Records Medical Supplies Office Supplies	\$10,000	

NOTE: List is illustrative

B. Financing of Equipment and Supplies

(1) By AID - \$ 10,000

(2) By Cooperating Country - N.A.

21. Special Provisions

- A. This PIO/T is subject to AID (contracting) (PASA implementation) regulations.
- B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. Supplier, services authorized under this PIO/T must be obtained from U.S. sources.
- C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.
- D. Other (specify):

ADP Form 1X (9-70)	Cooperating Country A.I.D./W - TAB	PIOT No.	Page 4 of 4 Pages
PIOT	Project/Activity No. and Title Environmental Aspects of Development Projects (Smithsonian Institution)		

22. Reports by Contractor or Participating Agency (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports, and any special requirements)

- (a) Bimonthly progress status reports (5 copies) on case study project activities after work in selected countries has actually begun will be sent to A.I.D. Office of Science and Technology.
- 9b) Final report (25 copies) on completion of each case study, indicating original objectives, approach and nature of study techniques, findings, and recommendations will be sent to the Director, A.I.D. Office of Science and Technology within 30 days after completion of the study.

BEST COPY AVAILABLE

23. Background information (Additional information useful to Authorized Agent and Prospective Contractors or Participating Agency; if necessary cross reference Block 19.C(4) above.)

- Mission responses to Circular A-688 on priority environmental problems (to be supplied by A.I.D./OST).
- PROP approved April 13, 1970.

24. Relationship of Contractor or Participating Agency to Cooperating Country and to AID

A. Relationships and Responsibilities The Smithsonian, through its Office of Environmental Sciences, to perform services for, and in consultation with, A.I.D./W Office of Science and Technology which will act as coordinator and liaison between contractor and the field Missions and other A.I.D./W organizations.

B. Cooperating Country Liaison Official

(Will vary from country to country for each case study investigation)

C. AID Liaison Officials

Mr. Glenn E. Schweitzer, Director - TA/OST
Mr. Bill L. Long, Program Officer - TA/OST

9310878-⑦
PD-AAA6-220

MEMORANDUM

DATE: November 9, 1971

TO: TA/PM, Kenneth S. Levick
THRU: TA/PM, John H. Kean *JHK*
FROM: TA/PM, Donn W. Block *DWB*
SUBJECT: Proposed PIO/T -- Environmental Aspects
(Smithsonian Institution)

I recommend approval of this ^{PIO-T}PROP despite certain misgivings. The Smithsonian says that the \$300,000 proposed will cover the cost of two studies of environmental effects of development projects. Bill Long of OST has been unable to fix wherefrom they derive these costs. The original plan in the PROP was to obligate \$250,000 for this project for this fiscal year but OST is cutting back due to (1) fund shortage and (2) slowness of the Smithsonian in implementing studies obligated for prior year monies.

The real misgiving is that we seem to have no real assurance that the Smithsonian will be able to move smartly ahead on these studies this year -- a saving of \$100,000 could perhaps be realized.

I understand the Contract Office is ready to move as soon as they receive this PIO/T.

cc: TA/OST, Mr. Bill Long

9310878-⑥
PD-446-220

DEPARTMENT OF STATE
AGENCY FOR INTERNATIONAL DEVELOPMENT
WASHINGTON, D.C. 20523

file
page 878

November 12, 1971

MEMORANDUM

TO : TA/PM Mr. Donn W. Block *FB*

FROM : TA/OST - Bill L. Long *BL*

SUBJECT : PIO/T Smithsonian Environmental Case Studies

I want to comment on an apparent misunderstanding on subject PIO/T indicated by the statement in your November 9 memo to Ken Levick to the effect that I have not been able to verify the derivation of the \$100,000 costs associated with this PIO/T.

The answer which I apparently failed to properly enunciate earlier is simply that we are requesting two case studies under this new PIO/T, each of which will cost \$50,000, rather than five individual studies (for total of \$250,000) as earlier contemplated. The \$50,000 per study price tag is based on Smithsonian-TA/OST agreement on the number of consultants that will be involved in each study, which in turn fixes overseas travel and administrative backup. The cutback from five studies to two was determined largely by the FY'72 funding target we were given for this project after the last TAB budget review. As I pointed out during our telecons, much of the difficulty in initiating the studies stems from the sensitivities on the part of prospective cooperating countries to foreign analyses of their projects from an environmental point of view. The preliminary negotiations to gain agreement with the prospective counterparts on the exact scope of each case study, and the nature of their participation are difficult and time consuming, and require funding for implementation. As far as I am concerned, the only uncertainty with respect to the PIO/T is the geographic location of the case studies. We wish ultimately to study 12 cases of development activities; matching our interests in specific studies with both the best sites and LDC interests is the tricky part.

The responsibility for project direction and administration now has been placed entirely with Mr. William Eilers, Office of Environmental Affairs, Smithsonian, as the result of a Smithsonian reorganization. We have the greatest confidence in Mr. Eilers, who recently left the National Academy of Sciences where he was involved with TA/OST activities, and feel quite confident that this will resolve previous administration difficulties which contributed to what has been a slow start.

I hope this information is useful and clears up any misunderstanding. We greatly appreciate your assistance in expediting review and approval of the PIO/T.

cc: TA/PM, J. Kean

TA/OST:BLL
SCI/EN:rlt 11/12/71

9310878-9
PD-AA6-220

614

General Technical Services
Office of Science and Technology
Technical Assistance Bureau

Externally Determined Emphasis: Environmental Considerations

Title: Environmental Aspects of Development Projects

Project: 995-878

Contract No:

PROP Approved: April 10, 1971

Contractor: Smithsonian Institution

Starting Date: June 30, 1970

Termination Date: FY 1974

Monitor: Long

Extension: 27971

Funding:

	<u>Obligation</u>	<u>Expend.</u>	<u>Unliquidated</u>
FY 70	100	-	100
FY 71	100	150	50
FY 72	150	150	50

Target:

To develop understanding in the U.S. and in developing countries of the nature, intensity, and trends of environmental degradation in developing countries and encourage establishment of institutional bases in the U.S. and developing countries to deal with attendant problems as they relate to development. Approach includes bilateral case studies of the interaction of specific development projects with the environment.

Other Contributions:

Smithsonian contributes project management services. Host countries share the costs of case studies.

Accomplishments:

Candidate case studies being explored. (Enclosure 1)

FY 72 Program

Expansion of program to broaden the range of case studies.

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT
9310878-①
DD-AAG-270
PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

PIO/T

1. Cooperating Country Worldwide	Page 1 of 1 Pages
2. PIO/T No.	3. <input type="checkbox"/> Original or Amendment No. <u>2</u>
4. 931-11-096-878-31-1881 Environmental Aspects of Development Projects (Smithsonian Institution)	

DISTRIBUTION	5. Appropriation Symbol 72-1131006 72-1131006	6.A. Allotment Symbol and Charge 346-31-099-00-20-31	6.B. Funds Allotted to: <input checked="" type="checkbox"/> A.I.D./W <input type="checkbox"/> Mission
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7. Obligation Status <input checked="" type="checkbox"/> Administrative Reservation <input type="checkbox"/> Subobligation	8. Obligation Period (Mo., Day, Yr.) From <u>4/21/71</u> to <u>12/21/73</u>
---	--

9.A. Service to Start (Mo., Day, Yr.) Between <u>4/15/71</u> and <u>5/15/71</u>	9.B. Completion date of Services (Mo., Day, Yr.) <u>12/31/73</u>
--	---

10.A. Type of Action <input checked="" type="checkbox"/> A.I.D. Contract <input type="checkbox"/> Country Contract <input type="checkbox"/> Service Agreement	Cooperating <input type="checkbox"/> Participating Agency <input type="checkbox"/> Other:
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10.B. Authorized Agent
AID/W

Estimated Financing		(1)	(2)	(3)	(4)
\$1.00 =		Previous Total	Increase	Decrease	Total to Date
11. Maximum A.I.D. Financing	A. Dollars	\$145,237			\$145,237
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

14. Instructions to Authorized Agent

Amend Task Order No. 3 of Basic Ordering Agreement No. AID/CSD-2608 with the Smithsonian Institution as follows: extend the Term of Performance to December 31, 1973. The face sheet and Article II, page 2, should be modified accordingly. This extension is to be made within existing fund obligations.

(Note that Amendment No. 1 to T.O. #3 extended original completion date of September 21, 1973 to October 21, 1973).

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate TA/OST - Bill L. Long <i>[Signature]</i> 8-7-73	B. Funds for the services requested are available
C. The scope of work lies within the purview of the initiating office and approved Agency Programs TA/OST - <i>[Signature]</i> 8/3/73	D. TA/PM - Alfred Bisset
E.	F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to: Signature and date:	17. For the Agency for International Development Signature: David Mathiasen Title: Assoc. Ass't Admin. - TA/OST	18. Date of Issuance
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9310878-①
PD-AA6-220

AID 1380-1X
(8-70)

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

1. Cooperating Country
Worldwide
2. PIO/T No.
931-11-995-897-73-3118821

Page 1 of 1 Pages

3. Original or
Amendment No. **3**

PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

4. Project/Activity No. and Title
**Environmental Aspects Of Development
Projects (Smithsonian Institution)**

DISTRIBUTION

5. Appropriation Symbol
72-1101010
6. A. Allotment Symbol and Charge
095-31-099-00-20-01
6. B. Funds Allotted to:
 A.I.D./W Mission

7. Obligation Status
 Administrative Reservation Subobligation
8. Funding Period (Mo., Day, Yr.)
From **4/21/74** to **3/31/74**

9. A. Service to Start (Mo., Day, Yr.) (Continuing)
Between: _____ and _____
9. B. Completion Date of Services
(Mo., Day, Yr.) **3/31/74**

10. A. Type of Action
 A.I.D. Contract Country Contract Participating Agency Service Agreement Other

10. B. Authorized Agent
AID/W

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
11. Maximum A.I.D. Financing	A. Dollars	145,237			
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

14. Instructions to Authorized Agent
Amend Task Order No. 3 of Basic Ordering Agreement No. AID/CSD-2608 with the Smithsonian Institution as follows:
(a) extend the term of Performance to March 31, 1974; (b) increase the level of effort for Home Office Professional support from 16 man-months to 20 man-months; (c) increase the level of effort for Home Office non-professional support from 23 1/4 man-months to 26 1/4 man-months. These amendments are to be made within existing fund obligations.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate TA/OST - Bill L. Long <i>Bill Long</i>	B. Funds for the services requested are available TA/PM - Mary E. McGonigle <i>Mary E. McGonigle</i>
C. The scope of work lies within the purview of the initiating office and approved Agency Programs TA/OST - Henry A. Arnold <i>Henry A. Arnold</i>	D. <i>[Signature]</i> TA/PM - Alfred Bissler <i>Alfred Bissler</i>
E. <i>[Signature]</i>	F. <i>[Signature]</i>

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature and date: _____
Title: _____

17. For the Agency for International Development:

Signature: *Carl R. Eitzer*
Title: Associate Assistant Administrator, TA/E-1

18. Date of Issuance

DEC 1 1974

Return to file
Chris Johnson

AID 1350-12
(9-70)
3/7

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT
9310978 (2)
PD-AA6-220
PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

1. Cooperating Country
Worldwide

2. PID/T No.
901-11-995-878-73-3103004

3. Original or
Amendment No. 4

4. Project/Activity No. and Title
Environmental Aspects Of Development
Projects (Smithsonian Institution)

DISTRIBUTION

5. Appropriation Symbol
72-1101010

6.A. Allotment Symbol and Charge
095-31-099-00-20-01

6.B. Funds Allotted to:
CCAID/W () Mission

7. Obligation Status
 Administrative Reservation Subobligation

8. Funding Period (Mo., Day, Yr.)
From 4/21/71 to 8/31/74

9.A. Service to Start (Mo., Day, Yr.)
Between April 1, 1974, and

9.B. Completion date of Services
(Mo., Day, Yr.) 8/31/74

10.A. Type of Action
 A.I.D. Contract Country Contract Service Agreement

Cooperating Participating Agency
Country Contract Service Agreement

10.B. Authorized Agent
AID/W

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
11. Maximum A.I.D. Financing	A. Dollars				
	B. U.S.-Owned Local Currency				
NO ADDITIONAL FUNDING REQUESTED					
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

BEST COPY AVAILABLE

13. Mission References

14. Instructions to Authorized Agent
Amend Task Order No. 3 of Basic Ordering Agreement No. AID/CSD-2608 with the Smithsonian Institution to extend the term of Performance to August 31, 1974. In addition, the following specific amendments are requested:

- Article II, Term of Performance: Change to forty (40) months and ten (10) days.
- Article III, Level of Effort: Change the man-months to read as follows: (a) Home Office Professional 24 man-months; (b) Home Office Nonprofessional 30 1/4 man-months

These amendments are to be made within existing fund obligations.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate
TA/OST - Bill L. Long *[Signature]* 4-1-74

B. Funds for the services requested are available
TA/PM - Mary E. Mozynski *[Signature]*

C. The scope of work lies within the purview of the initiating office and approved Agency Programs
TA/OST - Henry A. Arnold *[Signature]*

D.
TA/PM - Dean Bernardus *[Signature]* 4-5-74

E.
F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to
Signature and Date:
Title:

17. For the Agency for International Development
[Signature]
Signature: Albert Bisset
Title: Deputy Director

18. Date of Issuance

Office of Contract Management
 Central Operations Division
 Agency for International Development
 Washington, D.C. 20523

Same as issuing office

7. CONTRACTOR NAME AND ADDRESS
 ORGANIZATION
 Washington, D.C. 20560

8. AMENDMENT OF SOLICITATION NO.
 DATE
 CONTRACT/ORDER NO. Test Order / 1
 DATED 6/20/73

9. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS.
 The above numbered solicitation is provided as set forth in block 12. The hour and date specified for receipt of offers is not altered, altered, not extended.
 Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as provided by one of the following methods:
 (a) By signing and returning _____ copies of this amendment, (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

BEST COPY AVAILABLE

10. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS.
 (a) This Change Order is issued pursuant to _____
 The Changes set forth in block 12 are made to the above numbered contract order.
 (b) The above numbered contract order is _____
 (c) This Supply Order Agreement is entered into pursuant to authority of the Operations Assistance Act of 1961, as amended, and Executive Order No. 11223.

11. DESCRIPTION OF AMENDMENT/MODIFICATION
 1. Cover Page, Term of Performance: - Delete the date "December 31, 1973" and in lieu thereof insert "March 31, 1974."
 2. Article II - Term of Performance, Paragraph 1 - Delete the date "December 31, 1973" and in lieu thereof insert "March 31, 1974."
 3. Article III - Level of Effort - Delete in its entirety and insert in lieu thereof the following:

Classification	Level of Effort
Home Office Professional	14.5 man-months
Home Office Nonprofessional	14.0 man-months
Field Staff Nonprofessional	1.0 man-months

Receipt provided hereon. All terms and conditions of the document referenced in block 1, as amended, changed, revised, and amended, and as set forth in block 12.

CONTRACT DOCUMENT IS NOT REQUIRED CONTRACT DOCUMENT IS REQUIRED TO SIGN THE DOCUMENT AND RETURN IT TO THE ISSUING OFFICE
 NAME OF CONTRACTOR OFFICER: Albin O. Haultz TITLE: Contract Officer
 NAME OF CONTRACTOR OFFICER: V. C. Papp III TITLE: Contract Officer
 DATE: 6/20/73 DATE: 6/20/73
 CONTRACTING OFFICER

AMENDMENT NO. 3 ENVELOPE DATE 1/1/74 CONTRACT NO. 11223

ISSUED BY COPIE TO WHOM IT IS ISSUED (If other than block 10) COPIE

Office of Contract Management
 Global Operations Division
 Agency for International Development
 Washington, D.C. 20563

Same as Issuing Office

CONTRACTOR NAME AND ADDRESS ROBINSON INSTITUTE

Street, city, county, state, and ZIP codes Washington, D.C. 20560

AMENDMENT OF SOLICITATION NO. _____

DATE 1/23/74 (See Block 9)

MODIFICATION OF CONTRACT/ORDER NO. T.C. 2

DATE 1/23/74 (See Block 11)

THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in block 12. The hour and date specified for receipt of Offers is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods:

(a) by signing and returning _____ copies of this amendment, (b) by acknowledging receipt of this amendment on each copy of the offer submitted, or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such a change may be made by filing a letter, specified in the program or later makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

BEST COPY AVAILABLE

THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS

(a) This Change Order is issued pursuant to _____

The Changes set forth in block 12 are made to the above numbered contract/order

(b) The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) set forth in block 12

(c) This assignment agreement is entered into pursuant to authority of _____ and _____ Executive Order No. 11223.

1. Cover Here, Estimated Date of Completion: Delete the date "December 31, 1973" and in lieu thereof insert "March 31, 1974."
2. Article II - Term of Performance, Paragraph A: Delete "thirty-two (32) months and ten (10) days" and in lieu thereof insert "thirty-five (35) months and ten (10) days."
3. Article III - Level of Effort: Delete in its entirety and insert in lieu thereof the following:

Classification	Level of Effort
Home Office Professional	20 man-months
Home Office Nonprofessional	26.25 man-months

CONTRACTOR OFFICE IS NOT REQUIRED TO SIGN THIS DOCUMENT CONTRACTOR OFFICE IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN _____ COPIES TO ISSUING OFFICE

NAME OF CONTRACTOR OFFICE ROBINSON INSTITUTE

Signature of person authorized to sign Bridge O. Hubert

NAME AND TITLE OF SPECIAL AGENT (Type in print) CONTRACTING OFFICER

DATE SIGNED 1/23/74

NAME OF CONTRACTING OFFICER (Type in print) V.C. Ford III

DATE SIGNED 1/23/74

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

1. Cooperating Country

Worldwide

Page 1 of 1 Pages

2. PIO/T No.

931-11-995-897-73-3103004

3. Original or

Amendment No. 5

4. Project/Activity No. and Title

Environmental Aspects of Development
Projects (Smithsonian Institution)

DISTRIBUTION

5. Appropriation Symbol

72-1101010

6. A. Allotment Symbol and Charge

095-31-099-00-20-01

6. B. Funds Allotted to:

A.I.D./W Mission

7. Obligation Status

Administrative Reservation

Subobligation

8. Funding Period (Mo., Day, Yr.)

From 6/30/70 to 3/31/74

9. A. Service Start (Mo., Day, Yr.) (Continuing)

Between and

9. B. Completion date of Services

(Mo., Day, Yr.) 3/31/74

10. A. Type of Action

A.I.D. Contract

Cooperating

Country Contract

Participating Agency

Service Agreement

Other:

10. B. Authorized Agent

AID/W

Estimated Financing

		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
\$1.00 =					
11. Maximum A.I.D. Financing	A. Dollars	98,730			
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

14. Instructions to Authorized Agent

Amend Task Order No. 1 of Basic Ordering Agreement No. AID/CSD-2608 with the Smithsonian Institution as follows: (a) extend the term of Performance to March 31, 1974; (b) increase the level of effort for Home Office Professional support from 12 man-months to 14 1/2 man-months; (c) increase the level of effort for Home Office non-professional support from 12 man-months to 14 man-months; and (d) decrease Field Staff non-professional support from 16 man-months to 1 man-month. These amendments are to be made within existing fund obligations.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate

TA/OST Bill L. Long

Bill Long

B. Funds for the services requested are available

TA/PM - Mary E. Mozynski

Mary E. Mozynski

C. The scope of work lies within the purview of the initiating office and approved Agency Programs

TA/OST - Henry A. Arnold

Henry A. Arnold

D.

TA/PM - Alfred Bischoff

Alfred Bischoff

E.

F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

17. For the Agency for International Development

18. Date of Issuance

Signature and date:

Signature:

Carl R. Fritz

Carl R. Fritz
Associate Assistant
Administrator TA/PM

Title:

DEC 13 1973

INTERNATIONAL DEVELOPMENT SERVICES

Environmental Aspects of Development Projects
(Institutional Assistance)

4. Agency/Institution Code: 72-1101010
 5. Obligation Status: Administrative Reservation OADR SOB Obligation
 6. Agency/Institution Name: [Blank]
 7. Effective Date: [Blank]

8. No. of Technicians: 210
 9. Services to Start (Mo., Day, Yr.): 5-1-70
 10. Duration (Months): 12
 11. a. Type of Action: USAID Contract Country Contract Participating Agency Service Agreement OADR

11. b. Authorized Agent: AID/W

Financing	A. Previous Total	B. Increase	C. Decrease	D. Total to Date
12. AID Financing				
a. Dollars		\$100,000		\$100,000
b. U.S.-Owned Local Currency				
13. Cooperating Country Contributions				
a. Coparticip				
b. Other				

15. Objective for which the Technical Services are to be used (Specify):
 This project is intended to: (a) develop background, knowledge and understanding of the nature, intensity and trends of environmental degradation in less developed countries; (b) assess LDC awareness of and capability to create a capacity to deal with environmental aspects of basic development plans using selected countries for in-depth studies; and (c) begin to develop a U.S. institutional base for expertise in the environmental field as it relates to development problems in the LDCs through utilization of these resources.
 In recognition that only a sustained effort will have a meaningful impact on institution building processes, it is expected that this (see P. 5)

16. Mission Objectives	Date	Mission Objectives	Date

17. Date of Original Issues: [Blank] 18. Date of this Report: June 15, 1970

19. For the Cooperating Country: [Blank] 20. For the Agency/Institution: [Blank]

R. J. O'Neil
 R. J. O'NEIL

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT

PROJECT IMPLEMENTATION
OPERATIONAL
SERVICES

Contract/Activity
Number

Project/Activity Name and Title
Environmental Aspects of Development Projects
(Smithsonian Institution)

SCOPE OF WORK

21. Scope of Technical Services

A. Description

Under this project Smithsonian Institution and host country scientists will conduct jointly macro-ecological surveys of environmental changes in AID-recipient countries to be selected jointly by AID and the Smithsonian Institution. The results of these surveys will be published jointly in the U.S. and the host country to encourage institutional development in this field both at home and abroad. Particular attention will be given to case studies of the environmental effects of past development projects in the categories of primary concern identified below with the view to producing "early warning" manuals based on these and previously conducted studies that will assist in anticipating ecological effects of future development projects.

The activities of the Smithsonian in implementing this contract will be closely coordinated with those of NAS being carried out under the project for strengthening the scientific and technological capabilities of the developing countries. This coordination will be especially useful in project identification and formulation. As stated in Block 15, Objectives, it is expected that such studies will be conducted over a five-year period. During 1970 two or three AID-recipient countries will be

See page 6

B. Technicians

(1) (a) Number	(b) Specialist Field	(c) Grade and/or Salary	(d) Duration of Assignment (in months)
1	Ecologist (Program Director)	GS-13	12
1	Ecologist (Consultant)	NA	4
1	Junior Ecologist (Research Assistant)	GS-5	12

NOTE: Salaries of Principal Investigators and of Secretary will be borne by Smithsonian Institution (total of approximately 12 man months).

(2) Duty Post and Duration of Technicians' Services

Washington, D.C. 12 months

(3) Access to Classified Information

NA

(4) CONFIDENTIAL SECRET UNCLASSIFIED To Be Released to Appropriate Technicians

C. Planned Costs of Technical Services

(a) \$10,486,986.00

(b) By the Contracting Office

NA

PIO/T

PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

Project Contract Method Title

Environmental Aspects of Development Projects
(Smithsonian Institution)

22. Equipment and Supplies (related to the services described in Block 21 and to be procured outside the Cooperating Country) by the supplier of these services:

A. (1) Quantity	(2) Description	(3) Estimated Costs
	Preservations	
	Containers	
	Collection Records	
	Collecting equipment	
	Surveying equipment	
	Supplies and Material	\$5,014
	Equipment	9,000
		\$14,014

NOTE: All items for use in collecting samples.
List is illustrative only.

B. Financing Costs of Equipment and Supplies

(1) By AID - \$ 13,014

(2) By Cooperating Country - NA

23. Instructions to Authorized Agent

This PIO/T is basis for contract with the Smithsonian Institution.

24. Special Provisions

A. This PIO/T is subject to AID contracting regulations.

B. Except as specifically authorized by AID, or when local hire is authorized under the terms of a contract with a U.S. supplier, services authorized under this PIO/T must be obtained from U.S. sources.

C. Except as specifically authorized by AID/W, the purchase of commodities authorized under this PIO/T will be limited to the U.S. under Geographic Code 000.

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT
PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

Project Title	Project No.
Cooperating Country	Project No.
AID/Agency	
Project Title: <i>Environmental Aspects of Development Projects</i> (Smithsonian Institution)	

25. Reports by Supplier of Services (Indicate type, content and format of reports required, including language to be used if other than English, frequency or timing of reports and any special requirements)

1. Monthly progress status reports (5 copies) on project activities after work in selected countries has actually begun will be sent to the AID Office of Science and Technology)
2. Final report (25 copies) on completion of each country study, indicating original objectives, approach and nature of study techniques, findings, and recommendations will be sent to the Director, AID office of Science and Technology within 30 days after completion of the study.

26. Availability of Background Information (Additional information useful to Authorized Agent and Prospective Suppliers, if necessary, cross reference Block 21.D(3) above)

27. Relationship of Supplier to Cooperating Country and to AID.

A. Relationships and Responsibilities

B. Cooperating Country Liaison Official

C. AID Liaison Official

PIO/9

TITLE OF REPORT

Project Implementation
Order/Technical Services

1. Report Title/Project Title

Environmental Aspects of Development Projects
(Smithsonian Institution)

Index/Block
Number

15

Use this form to complete the information required in any block of a report.
project will continue for five years, provided the resources that are mobilized to carry out the project can be applied as an effective assist to achievement of AID objectives. Also, a long-term effort is essential to attract the highest quality personnel to participate in these efforts and to permit the in-depth analyses, the experimentation, and the follow-through needed to have an impact on development activities.

21

selected, as stated above, for pilot studies, taking into account the views of the concerned AID Missions. The selection criteria for these studies will include:

- (1) Does the country have the scientific capability to participate in the project?
- (2) Is there at least an embryonic organizational mechanism in the country where AID institution building efforts attendant to this project can be centered?
- (3) Are there suspected environmental problems of broad international interest?
- (4) Will the country cooperate fully, possibly contributing funds and resources to make the study a going project?
- (5) Is there a wide variety of suspected environmental problems that are also of concern in other countries?

Actual selection of the 2 or 3 countries in which the Smithsonian Institution will do environmental studies during the first year will depend in large measure on responses by AID field missions to AID Circular A-688 March 25, 1970 (attached) Section 9, page 8.

Of particular assistance in determining in detail the most effective use of the Smithsonian Institution will be preliminary country surveys currently being conducted by all AID Missions. They have been requested to identify on a preliminary basis and to the extent feasible those environmental problems that are of particular concern in the host countries. While it is recognized that the Missions are not equipped to conduct detailed analyses of the interactions among population growth, economic development, and the state of the physical and biological environment, identification in very general terms of the more obvious environmental problems will be very useful in providing guidelines for subsequent analyses.

The Smithsonian Institution will make a preliminary analysis of specific potential case studies, utilizing comments received from AID missions. Then, in consultation with the AID Office of Science and Technology, selection of countries and the specific case studies in each will be made.

PIO/7

Project Identification
Order/Technical
Services

Environmental Aspects of Development
Projects (Smithsonian Institution)

Indicate block
numbers.

Use this form to complete the information required in any block of the form.

21

Projects to be selected are to be exemplary of the types of development needed, the status of developmental technology, and the social and environmental conditions on a world-wide scale. Such projects may include both bilateral and multilateral assistance efforts, and they would not necessarily have originated in AID. A limited number of studies might be selected where no assistance projects have been undertaken yet but where an environmental problem exists and where the study could define some of the environmental parameters requiring consideration in development assistance. Final selection of projects and countries would be on the suggestion and approval of AID country and regional offices, as well as of AID/W TA/OST.

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT
9310878-13
PD-AA6-220
PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

1. Cooperating Country
Worldwide

2. PIO/T No.
931-11-995-878-73

3. Original or
Amendment No. 6

4. Project/Activity No. and Title
Environmental Aspects Of Development
Projects (Smithsonian Institute)

DISTRIBUTION

5. Appropriation Symbol
72-1101010

6.A. Allotment Symbol and Charge
095-31-099-00-20-01

6.B. Funds Allotted to:
 A.I.D./W Mission

7. Obligation Status
 Administrative Reservation Subobligation

8. Funding Period (Mo., Day, Yr.)
From 6/30/70 to 8/31/74

9.A. Service to Start (Mo., Day, Yr.)
Between April 1, 1974 and _____

9.B. Completion date of Services
(Mo., Day, Yr.) 8/31/74

10.A. Type of Action
 A.I.D. Contract Country Contract Service Agreement
Cooperating Participating Agency Other:

10.B. Authorized Agent
AID/W

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
\$1.00 =					
11. Maximum / I.D. Financing	A. Dollars	NO ADDITIONAL FUNDING REQUESTED			
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

14. Instructions to Authorized Agent

Amend Task Order No. 1 of Basic Ordering Agreement No. AID/CSD-2608 with the Smithsonian Institution to extend the term of Performance to August 31, 1974. The only changes required involve the Term of Performance date on the Cover Page and in Article II, Paragraph A. The Level of Effort, Article III, remains unchanged for both Home Office Professionals and Nonprofessionals. The amendment is to be made within existing fund obligations.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate 4-22-74 TA/OST - Bill L. Iong <i>[Signature]</i>	B. Funds for the services requested are available TA/PM - Mary E. Mozynski
C. The scope of work lies within the purview of the initiating office and approved Agency Programs TA/OST - Henry A. Arnold <i>[Signature]</i>	D. TA/PM - Dean Bernius
E.	F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature and date: _____
Title: _____

17. For the Agency for International Development

Signature: Albert Bisset
Title: Deputy Director

18. Date of Issuance

DEPARTMENT OF STATE
INTERNATIONAL DEVELOPMENT
9310878-14
PD-AA6-220
PROJECT IMPLEMENTATION

1. Country Name
Smithsonian Institution
2. Title
31-11-73-73-3707004
3. Project Activity, Title, and Date
4. Amendment No. 7

ORDER/TECHNICAL SERVICES

Environmental Aspects Of Development Projects (Smithsonian Institution)

DISTRIBUTION

5. Appropriation Symbol
72-1101010

6.A. Allotment Symbol and Charge
095-31-099-00-20-01

6.B. Funds Allotted to:
 A.I.D. W Mission

7. Obligation Status
 Administrative Reservation Subobligation

8. Funding Period (Mo., Day, Yr.)
From **6/30/70** to **12/31/74**

9.A. Service to Start (Mo., Day, Yr.)
Between _____ and **continuing**

9.B. Completion date of Services (Mo., Day, Yr.)
12/31/74

10.A. Type of Action
 A.I.D. Contract Cooperating Country Contract Participating Agency Service Agreement

Other: _____

10.B. Authorized Agent
AID/W

Estimated Financing		(1)	(2)	(3)	(4)
\$1.00 =		Previous Total	Increase	Decrease	Total to Date
11. Maximum A.I.D. Financing	A. Dollars	NO ADDITIONAL FUNDING REQUESTED			
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

14. Instructions to Authorized Agent

Amend Task Order No. 1 of Basic Ordering Agreement No. AID/CSD-2608 with the Smithsonian Institution to extend the term of Performance to December 31, 1974. The only changes required involve the Term of Performance date on the Cover Page and in Article II, Paragraph A. The Level of Effort, Article III, remains unchanged for both Home Office Professionals and Nonprofessionals. The amendment is to be made within existing fund obligations.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate. TA/OST - Bill L. Long <i>[Signature]</i> 9-10-74	B. Funds for the services requested are available TA/PM - Mary E. Mozynski
C. The scope of work lies within the purview of the initiating office and approved Agency Programs TA/OST - Henry A. Arnold	D. TA/PM - Robert Mills <i>[Signature]</i>
E.	F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to
Signature and date: _____
Title: _____

17. For the Agency for International Development
[Signature]
Signature: John Gunning
Title: Chief, Programming Division

18. Date of Issuance
7/17/74

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT
9310878 (15)
PD-A46-220
PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

1. Cooperating Country
Worldwide

2. PIO/T No. 931-11-995-
878-73-3103004

3. Original or
Amendment No. 8

4. Project/Activity No. and Title
Environmental Aspects of Development
Projects (Smithsonian Institute)

DISTRIBUTION

5. Appropriation Symbol
72-1101010

6. A. Allotment Symbol and Charge
095-31-099-00-20-01

6. B. Funds Allotted to:
 A.I.D./W Mission

7. Obligation Status
 Administrative Reservation Subobligation

8. Funding Period (Mo., Day, Yr.)
From 6/30/70 to 6/30/75

9. A. Service to Start (Mo., Day, Yr.)
Between _____ and continuing

9. B. Completion date of Services
(Mo., Day, Yr.) 6/30/75

10. A. Type of Action
 A.I.D. Contract Country Contract Service Agreement
Cooperating Participating Agency Other:

10. B. Authorized Agent
AID/W

Estimated Financing		(1)	(2)	(3)	(4)
\$1.00 =		Previous Total	Increase	Decrease	Total to Date
11. Maximum A.I.D. Financing	A. Dollars	NO ADDITIONAL FUNDING REQUESTED			
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

Mission References

14. Instructions to Authorized Agent

Amend Task Order #1 of Basic Ordering Agreement No. AID/CSD-2608 with the Smithsonian Institution to extend the term of Performance to June 30, 1975. The only changes required involve the Term of Performance date on the Cover Page and in Article II, Paragraph A. The Level of Effort, Article III, remains unchanged for both Home Office Professionals and Nonprofessionals. The amendment is to be made within existing funds obligations.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate
TA/OST - Bill L. Long *[Signature]* 5-6-75

B. Funds for the services requested are available
TA/PM - Mary E. Mozynski

C. The scope of work lies within the purview of the initiating office and approved Agency Programs
TA/OST - Henry A. Arnold *[Signature]* 5/1/75

D. TA/PM - Robert Mills

E. _____

F. _____

15. For the cooperating country: The terms and conditions set forth herein are hereby agreed to

Signature and date: _____

Title: _____

17. For the Agency for International Development

Signature: John Gunning, Chief

Title: Programming Division

18. Date of Issuance
5/10/75

Anna

4310878-16
PD-AA6-220
PROJECT IMPLEMENTATION
ORDER TECHNICAL
SERVICES

4. Project Activity Name and Title
Environmental Aspects Of Development
Projects (Smithsonian Institute)

5. Appropriation Symbol: 72-119710
 6.A. AID Office Symbol and Title: 095-31-622-00-20-01
 6.B. Funds Allotted to: A.I.D. Mission
 7. Obligation Status: Administrative Reservation Obligation
 8. Funding Period (Mo., Day, Yr.): From 4/31/71 to 12/31/74
 9.A. Service to Start (Mo., Day, Yr.): continuing
 9.B. Completion date of Services (Mo., Day, Yr.): 12/31/74
 10. A. Type of Action: Cooperating Participating Agency Other
 A.I.D. Contract Country Contract Service Agreement
 10.B. Authorized Agent: AID/W

Estimated Financing		(1) Previous Total	(2) Increase	(3) Decrease	(4) Total to Date
11. Maximum A.I.D. Financing	A. Dollars	NO ADDITIONAL FUNDING REQUESTED			
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart	BEST COPY AVAILABLE			
	B. Other				

13. Mission References

14. Instructions to Authorized Agent
 Amend Task Order No. 1 of Basic Ordering Agreement No. AID/CSD-2608 with the Smithsonian Institution to extend the term of Performance to December 31, 1974. The only changes required involve the Term of Performance date on the Cover Page and in Article II, Paragraph A. The level of Effort, Article III, remains unchanged for both Home Office Professionals and Nonprofessionals. The amendment is to be made within existing fund obligations.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate
 TA/OST - Bill L. Long *BL* 9-10-74

B. Funds for the services requested are available
 TA/PM - Mary E. Mozynski *Mary E. Mozynski*

C. The scope of work lies within the purview of the initiating office and approved Agency Programs
 TA/OST - Henry A. Arnold

D.
 TA/PM - Robert Mills *Robert Mills*

E.

F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to
 Signature and date:
 Title:

17. For the Agency for International Development
 Signature: John Gunning
 Title: Chief, Programming Division

18. Date of Issuance
 9/17/74

DEPARTMENT OF STATE
AGENCY FOR
INTERNATIONAL DEVELOPMENT
9310878-0
PD-446-220
PROJECT IMPLEMENTATION
ORDER/TECHNICAL
SERVICES

1. Cooperating Country
Worldwide

2. H/O/T No. **931-11-995-878-73-3118821**

3. Original or Amendment No. **6**

4. Project/Activity No. and Title
Environmental Aspects of Development Projects (Smithsonian Institute)

DISTRIBUTION

5. Appropriation Symbol
72-1131006

6.A. Allotment Symbol and Charge
346-31-099-00-20-33

6.B. Funds Allotted to:
 A.I.D./W Mission

7. Obligation Status
 Administrative Reservation Subobligation

8. Funding Period (Mo., Day, Yr.)
From **4/21/71** to **6/30/75**

9.A. Service to Start (Mo., Day, Yr.)
Between _____ and **continuing**

9.B. Completion date of Services (Mo., Day, Yr.)
6/30/75

10.A. Type of Action
 A.I.D. Contract Country Contract Service Agreement
 Cooperating Participating Agency Other:

10.B. Authorized Agent
AID/W

Estimated Financing		(1)	(2)	(3)	(4)
		Previous Total	Increase	Decrease	Total to Date
11. Maximum A.I.D. Financing	A. Dollars	NO ADDITIONAL FUNDING REQUESTED			
	B. U.S.-Owned Local Currency				
12. Cooperating Country Contributions	A. Counterpart				
	B. Other				

13. Mission References

14. Instructions to Authorized Agent

Amend Task Order #3 of Basic Ordering Agreement No. AID/CSD-2608 with the Smithsonian Institution to extend the term of Performance to June 30, 1975. The only changes required involve the Term of Performance date on the Cover Page and in Article II, Paragraph A. The level of Effort, Article III, remains unchanged for both Home Office Professionals and Nonprofessionals. The amendment is to be made within existing fund obligations.

15. Clearances - Show Office Symbol, Signature and Date for all Necessary Clearances.

A. The specifications in the scope of work are technically adequate TA/OST - Bill L. Long <i>[Signature]</i> 5/16/75	B. Funds for the services requested are available TA/PM - Mary E. Mozynski
C. The scope of work lies within the purview of the initiating office and approved Agency Programs TA/OST - Henry A. Arnold <i>[Signature]</i> 5/7/75	D. TA/PM - Robert Mills
E.	F.

16. For the cooperating country: The terms and conditions set forth herein are hereby agreed to Signature and date: Title:	17. For the Agency for International Development Signature: John Gunning, Chief Title: Programming Division	18. Date of issuance
--	---	----------------------

1. Amendment No. 6	2. EFFECTIVE DATE 7/1/75	3. REQUISITION PURCHASE REQUEST NO	4. PROJECT NO (If applicable) 931-11-995-878-73
5. ISSUED BY Agency for International Development Central Operations Division Office of Contract Management Washington, D. C. 20523	CODE	6. ADMINISTERED BY (If other than block 5) 9310878-18 DD-AA6-220 Same as Issuing Office	

7. CONTRACTOR NAME AND ADDRESS Smithsonian Institution Washington, D. C. 20560	8. AMENDMENT OF SOLICITATION NO. DATED _____ (See block 9) T. O. #3 MODIFICATION OF CONTRACT/ORDER NO. AID/csd-2608 DATED 4-21-71 (See block 11)
--	--

9. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in block 12. The hour and date specified for receipt of Offers is extended, is not extended.

Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods:

(a) By signing and returning _____ copies of this amendment, (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation or a amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

10. ACCOUNTING AND APPROPRIATION DATA (If required)

PIO/T No. 931-11-995-878-73-3118821, A #6

11. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS

(a) This Change Order is issued pursuant to _____
The Changes set forth in block 12 are made to the above numbered contract/order.

(b) The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in block 12.

(c) This Supplemental Agreement is entered into pursuant to authority of F. A. Act of 1961, as amended & E. O. No. 11223
It modifies the above numbered contract as set forth in block 12.

12. DESCRIPTION OF AMENDMENT/MODIFICATION

- 1) Cover Page, Estimated Date of Completion - Delete the date shown as "December 31, 1974" and in lieu thereof insert "May 31, 1975".
- 2) Article II - Term of Performance, Paragraph A - Delete "Forty Four (44) months and ten (10) days" and in lieu thereof insert "Forty Nine (49) months and ten (10) days".
- 3) Article VI - Budget - Delete the date shown as "December 31, 1974" and in lieu thereof insert "May 31, 1975."

CERTIFIED A TRUE COPY THIS
23rd DAY OF June 75
BY R.C. Munday

except as provided herein, all terms and conditions of the document referenced in block 8, as heretofore changed, remain unchanged and in full force and effect.

CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 7 COPIES TO ISSUING OFFICE

4. NAME OF CONTRACTOR/OFFEROR Elbridge O. Hurlbut (Signature of person authorized to sign)	17. UNITED STATES OF AMERICA Agency for International Development
5. NAME AND TITLE OF SIGNER (Type or print) ELBRIDGE O. HURLBUT CONTRACTING OFFICER	18. NAME OF CONTRACTING OFFICER (Type or print) V. C. Perelli
16. DATE SIGNED JUN 03 1975	19. DATE SIGNED JUN 5 1975

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

K-74

1. Amendment No. 8	2. EFFECTIVE DATE 1/1/75	3. REQUISITION PURCHASE REQUEST NO.	4. PROJECT NO. (if applicable) 931-11-995-878-73
5. ISSUED BY Agency for International Development Office of Contract Management Central Operations Division Washington, D. C. 20523	CODE	6. ADMINISTERED BY (if other than block 5) 9310878-19 PDT AAG-220 Same As Issuing Office	CODE

7. CONTRACTOR NAME & ADDRESS Smithsonian Institution Washington, D. C. 20560	8. AMENDMENT OF SOLICITATION NO. DATED _____ (See block 9) MODIFICATION OF CONTRACT/ORDER NO. <u>AID/csd-2608</u> <input checked="" type="checkbox"/> Task Order #1 DATED <u>6/30/70</u> (See block 11)
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9. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in block 12. The hour and date specified for receipt of Offers is extended, is not extended. Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods:

(a) By signing and returning _____ copies of this amendment. (b) By acknowledging receipt of this amendment on each copy of the offer submitted, or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

10. ACCOUNTING AND APPROPRIATION DATA (if required)

FOI/T No. 931-11-995-878-73-3103004, Amendment No. 8

11. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS

(a) This Change Order is issued pursuant to _____
The Changes set forth in block 12 are made to the above numbered contract/order.

(b) The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in block 12.

(c) This Supplemental Agreement is entered into pursuant to authority of E.A. Act of 1961, as amended & F.O. No. 11223
It modifies the above numbered contract as set forth in block 12.

12. DESCRIPTION OF AMENDMENT/MODIFICATION

- Cover Page - Estimated Date of Completion: Delete the date "December 31, 1974" and in lieu thereof insert "May 31, 1975".
- Article II - Term of Performance: Delete the date "December 31, 1974" and in lieu thereof insert "May 31, 1975".
- Article VI - Budget: Delete the date shown as "December 31, 1974" and in lieu thereof insert "May 31, 1975".

CERTIFIED A TRUE COPY THIS
23rd DAY OF June, 1975
BY R. O. Mundstaff

Accept as provided herein, all terms and conditions of the document referenced in block 8, as herebefore changed, remain unchanged and in full force and effect.

CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT. CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 5 COPIES TO ISSUING OFFICE.

14. NAME OF CONTRACTOR/OFFEROR <u>Smithsonian Institution</u> <u>Elbridge O. Hurlbut</u> (Signature of person authorized to sign)	17. UNITED STATES OF AMERICA Agency for International Development
15. NAME AND TITLE OF SIGNER <u>ELBRIDGE O. HURLBUT</u> CONTRACTING OFFICER	18. NAME OF CONTRACTING OFFICER (Type or print) <u>V. C. Perelli</u>
16. DATE SIGNED <u>JUN 03 1975</u>	19. DATE SIGNED