

PUBLIC

DOCUMENT OF THE INTER-AMERICAN DEVELOPMENT BANK

GUYANA

**SUPPORT TO ENVIRONMENTAL PROTECTION AGENCY (EPA)
PROJECT PREPARATION**

(TC9505027)

PLAN OF OPERATIONS

MAY 1995

ITALIAN INDIVIDUAL CONSULTANT TRUST FUND
MEMORANDUM-PLAN OF OPERATION

GUYANA
ENVIRONMENTAL PROTECTION AGENCY
(TC-95-04-39-2-GY)

Socio-Economic studies in support of
project preparation

(TC-95-05-02-7)

I. OBJECTIVES AND DESCRIPTION

- 1.1 The government of Guyana is requesting funding from both, the Interamerican Development Bank and the World Bank, to jointly support their effort to establish an Environmental Protection Agency (EPA). The EPA will focus on environmental policy, planning and regulation as opposed to implementing projects or managing natural resources.
- 1.2 Key components of the EPA structure would be: (i) the EPA will be a "body corporate", placed under the mandate of the Minister of the Environment, a role to be exercised by the President; (ii) a Board of Directors (BoD) of 7 to 9 people will govern the EPA (a description of the proposed functions of the BoD is provided in Annex 2); (iii) the chief executive officer of the EPA will be an Executive Director (ED); (iv) the main activities/responsibilities of the EPA will be distributed among approximately six sections - Administration and Finance, Legal Office, Policy and Planning, Education and Training, Operations and Programmes and Projects; (v) an Interagency Technical Group, reporting to the ED, will ensure coordination with other Government ministries; (vi) Statutory Boards will be created as required to implement or oversee special areas, such as Environmental Impact Assessment, and deal with environmental emergencies as they arise; and (vii) an Appeals Tribunal will be created, reporting directly to the President as a last administrative resort in disputed cases.
- 1.3 The future project will support the design of an appropriate, technically viable and financially sustainable structure for the EPA. Technical assistance will be provided to: (i) analyze priority needs in terms of environmental planning and control; (ii) define plans and programs for the first few years of the agency's operation; (iii) structure the internal technical and managerial units; (iv) complete the training of its personnel; (v) perform some of the basic-line studies required to initiate an Environmental Impact Assessment and Quality Control System; (vi) suggest necessary inter-agency coordination mechanisms; and (vii) review potential funding sources and suggest viable means to gain access to continued and dependable sources.

- 1.4 A socio-economist is sought to help in the preparation of the technical cooperation proposal, for the following purposes:
- a. Analyse the overall macro-economic context that surrounds environmental decision-making in Guyana, where this first environmental institution would operate.
 - b. Identify existing economic incentives and dis-incentives to more careful environmental and natural resource management in Guyana.
 - c. Recommend changes in natural resource management policy, or other policy areas, in order to curb counterproductive incentive systems which would diminish or endanger the potential effectiveness of the future EPA.
 - d. Support the Bank's team in the overall design of the operation, so as to maximize its benefits in socio-economic terms.
- 1.5 The consultant will be hired for a total of 60 calendar days, discontinuous, starting on July 3, 1995.

II. PROJECT JUSTIFICATION

- 2.1 The Republic of Guyana has an area the size of Great Britain. It is one of the poorest countries in the region; it has a high level of public debt; it also has a small population (767,000 inhabitants), concentrated along the narrow coast plain, of which 35,000 are amerindians in 11 tribes living in the interior of the country.
- 2.2 Guyana is still endowed with abundant natural resources, with more than 80% of its natural forest cover left, much of which is primary moist tropical forest. None of its biodiversity is protected. Underlying the forests and along the water courses are mineral deposits, of which gold, bauxite, and diamonds are currently being mined. To date, development of these resources has been limited due to difficulty of access, unfavorable investment conditions, and lack of capital. These conditions are changing, however, and a framework for the sustainable use and protection of these resources is an urgent necessity.
- 2.3 In this context, preparatory work for the establishment and operation of the proposed EPA must not only include administrative and organizational analyses, but must most importantly cover the study of overall resource management, environmental and economic policy in order to ensure the success and sustainability of this effort. Thus, a socio-economist, with experience in the environmental field, particularly in relation to high-bio-diversity settings is required, to support the two Bank team's analysis of pertinent project structure and potential project approval conditions.
- 2.4 A suitable candidate has been identified and is available to perform the tasks described in the enclosed terms of reference. Thus, CTFunds are being sought to cover the costs of this consultancy.

III. ESTIMATED COST AND PROPOSED FUNDING

3.1 The total cost of this contract is US\$40,000, under a Lump Sum structure. Costs are distributed as follows (please see detailed budget in Annex IV):

1.	Consultant's fees (30 days x U\$300/day)	US\$	18,000
2.	Direct costs	US\$	22,000
	a. Travel expenditures (3 trips)	US\$	8,000
	b. Per diem (55 days)	US\$	7,990
	c. Other (communic, materials, survey)	<u>US\$</u>	<u>6,010</u>
		US\$	22,000
Total		US\$	40,000

IV. DISBURSEMENT SCHEDULE

4.1 Contract payments will be tied to the reception of the consultant's reports (see section VI. below). The funds will be paid out as follows:

- a. 40% upon signature of contract;
- b. 30% upon receipt and approval of the first and second reports;
- c. 30% upon receipt and approval of the third report;

4.2 The deadline for the final disbursement of funds is set at six months after the date of contract signature.

V. RESPONSIBILITY

5.1 RE3/EN3 will have responsibility over the operation, with the cooperation of the Bank's country office in Georgetown. The project team leader for the operation, Ms. Helena Landázuri, will be responsible for supervising the consultant's work.

VI. REPORTS

6.1 The consultant will produce three reports:

- a. Macro-economic and socio-economic context for the environmental sector in Guyana (approx. 30 pages, plus annexes).
- b. Economic incentives and dis-incentives affecting environmental and natural resource management in Guyana, and recommendations in terms of sectoral or economic policy changes to curb negative trends in this area.
- c. Recommendations for project contents and implementation strategy.

6.2 No additional contract termination report is expected.

VII. RECOMMENDATIONS

- 7.1 The Chief of RE3/EN3 recommends the use of Italian Individual Consultant Trust Fund be authorized for an amount equivalent to US\$ 40,000 in order to finance on a no-refund basis the proposed operation as described in this document.

VIII. CERTIFICATION

- 8.1 The Bank's Technical Cooperation Unit Chief certified that sufficient Italian Individual Consultant Trust Fund exist (for an amount equivalent to US\$ 40,000), to finance the activities envisaged in the present Memorandum-Plan of Operations.

APPROVED:

Annex List

Annex I	Consultant's terms of reference
Annex II	Consultant's CV
Annex III	Beneficiary's official application
Annex IV	Detailed budget



*Italian Trust Fund
for Individual Consultants*

I
***TERMS OF REFERENCE
OF THE CONSULTANT***



GUYANA
ENVIRONMENTAL PROTECTION AGENCY

Technical Cooperation
Consultant: Socio-economist
Terms of Reference

I. PROJECT BACKGROUND

- 1.1 The Government of Guyana is requesting funding from both, the Interamerican Development Bank and the World Bank, to jointly support their effort to establish an Environmental Protection Agency (EPA). The EPA will focus on environmental policy, planning and regulation as opposed to implementing projects or managing natural resources.
- 1.2 The future project will support the design of an appropriate, technically viable and financially sustainable structure for the EPA. Technical assistance will be provided to: (i) analyze priority needs in terms of environmental planning and control; (ii) define plans and programs for the first few years of the agency's operation; (iii) structure the internal technical and managerial units; (iv) complete the training of its personnel; (v) perform some of the basic-line studies required to initiate an Environmental Impact Assessment and Quality Control System; (vi) suggest necessary inter-agency coordination mechanisms; and (vii) review potential funding sources and suggest viable means to gain access to continued and dependable sources.

II. CONSULTANT'S OBJECTIVES

- 2.1 A socio-economist is sought to help in the preparation of the technical cooperation proposal by:
- a. Analyzing the efficiency of current environmental and natural resources management policies in Guyana;
 - b. Recommending policy changes in those areas where needed which would diminish or endanger the potential effectiveness of the future EPA; and
 - c. Supporting the Bank's team in the overall design of the operation, so as to maximize the social benefits to the country.

III. ACTIVITIES

- 3.1 The consultant will participate in the preparatory phase, performing the following functions:
- a. Review existing legislation and regulatory framework and describe policy instruments currently used to manage natural resources and the environment in the country. Emphasis will be made in the areas of mining, forestry, biodiversity, fisheries, non-mining industry, and agriculture.

- b. Review existing monetary, fiscal, and trade policies and determine their contribution to current environmental and natural resources situation. Possible distortions in the economy will be studied as mechanism generating environmental mismanagement.
- c. Propose policy instruments in those areas where needed to assure a sustainable use of natural resources and the environment. Likewise, recommend possible correction mechanisms of macroeconomic distortions for this same purpose.
- d. Participate in the field missions and meet with appropriate government officials and non-governmental organizations.
- e. Participate in team meetings to be held in Washington D.C., when the overall project contents and strategy are discussed.

IV. QUALIFICATIONS

- 4.1 The consultant must have a graduate degree in economics, with at least 5 years of professional experience in natural resources and environmental policy analysis. The consultant must be proficient in english.

V. CONTRACT DURATION

- 5.1 The consultant will be hired for a total of 60 calendar days, discontinuous, starting on July 3, 1995.

VI. SUPERVISION

- 6.1 The Bank's team leader for the operation, Ms. Helena Landázuri, will be directly responsible for supervising the consultant's work.

VII. REPORTS

- 7.1 The consultant will present a written report at the end of the consulting period with the results of the activities described in this Terms of Reference.
- 7.2 No additional contract termination report is expected.

*Italian Trust Fund
for Individual Consultants*

II
***CURRICULUM VITAE
OF THE CONSULTANT***

CURRICULUM VITAE

ROSINA SALERNO

BORN IN NAPLES (ITALY) 02/02/1954

RESIDENT IN VIA BENACO 7 00199 ROME (ITALY)

TEL. 06 8547190

LANGUAGES SPOKEN

ENGLISH

FRENCH

SPANISH

QUALIFIED UNDER THE UNITED NATIONS LANGUAGE DPT (1981) TO WORK IN THE ABOVE THREE LANGUAGES.

EDUCATION

UNIVERSITY DEGREE (LAUREA) IN SOCIAL SCIENCES. UNIVERSITY OF NAPLES. ITALY. (1972-1976)

MASTER IN SOCIAL SCIENCES . STATE UNIVERSITY OF NEW YORK AT ALBANY, NEW YORK.USA> (FULBRIGHT SCHOLARSHIP,1976-1978)

POST GRADUATE IN INTERNATIONAL POLITICAL AND ECONOMIC RELATIONS. THE JOHNS HOPKINS UNIVERSITY, SCHOOL FOR INTERNATIONAL AFFAIRS. WASHINGTON,D.C. USA. (JOHNS HOPKINS FELLOWSHIP /GROOVES-HAINES AWARD,1978-1980)

UNIVERSITY DEGREE (LAUREA) IN POLITICAL SCIENCES. UNIVERSITY OF ROME (1991)

STAGES/SPECIALIZATION COURSES

SUMMER COURSE ON ECONOMICS OF CENTRALIZED PLANNING. JAGELLONIAN UNIVERSITY. CRACOW. POLAND (JULY/AUGUST 1980)

COURSE ON PROJECT ANALYSIS AND EVALUATION.
ILO OFFICE. BANGKOK. THAILAND (APRIL 1981)

ASSOCIATIONS

MEMBER OF THE ITALIAN JOURNALIST ASSOCIATION from 1990

MEMBER OF THE JHU ALUMNI ASSOCIATION from 1980

MEMBER OF THE ITALIAN FULLBRIGHT ASSOCIATION from 1978

PUBLICATIONS (see attached list)

BOOKS (books and articles are published in Italian, the titles have been translated into English to convey the content of the publications)

THE INTERNATIONAL DEBATE ON DRUG ABUSE CONTROL. Senate of the Italian Republic . Office of Documentation and Studies. 1990 pp. 1-231

AGRICULTURAL RESEARCH AND DEVELOPMENT. Palombi Editions. 1991 pp 1-198

ARTICLES

Over 30 articles published, as required to become part of the Italian Journalists Association. Collaborates periodically with the Italian Banks Association (Mondo Bancario) and the Ministry of Foreign Affairs (Cooperazione and Societa' Internazionale) in the publication of their magazines.

Has published, inter alia

WHERE SCIENCE AND DEVELOPMENT MEET. THE CGIAR SYSTEM. Cooperazione 45;1987

KEYNESIAN ECONOMY AND THE U.N.SUPPORT TO PUBLIC INVESTMENTS PROGRAMMES IN DEVELOPING COUNTRIES. mondo bancario . 2:1989

THE WORLD BANK STRATEGY OF THE 1980'S AND THE FIGHT AGAINST POVERTY. Mondo Bancario. 3:1991

SOCIO-ECONOMIC EFFECTS OF CONSUMPTION, PRODUCTION AND ILLICIT TRAFIC OF DRUG ON THE ECONOMIES OF DEVELOPING COUNTRIES. Mondo Bancario. 3:1990

CONFERENCES AND COURSES HELD BY Ms. SALERNO

-She held Conferences on economic and political matters at the UNIVERSITIES of Rome, Naples, Trieste, Florence and Milan, at the ROTARY club, the ITALIAN AGRONOMISTS ASSOCIATION and others, inter alia

-Keynesian Economics and Public Investments in Developing Countries. Seminar for Diplomatic Corp Adjournment and Training . Ministry of Foreign Affairs. 1988

-Gender Issues and Agriculture Research. IFPRI/The World Bank. Washington. 1988

- Italian Development Strategy and International Agricultural Research. Symposium for the opening of the academic year at the University of Viterbo.

-New Technologies and the Developing World. International Conference sponsored by the Regione Liguria, at Genova.

All the above contributions were published in Proceedings of the Seminars.

EMPLOYMENT RECORD

FROM FEBRARY 1993 TO DATE

Consultant to the International Board for Plant Genetic Resources (IBPGR) as a consultant for a study on "the evaluation of the economic and social impact of IBPGR's activities on conservation and use of genetic resources".

The objective of the study is to examine the contribution of the Institute's activities in the field of conservation and use of plant genetic resources and analyze the impact of biodiversity conservation under a socio-economic profile. The study started with a review of the literature and the compilation of a comprehensive bibliography on the subject of impact assessment.

The research proceeded to the elaboration of methodological tools for the economic assessment of value of biodiversity. This part of the work was pursued through meetings and personal exchanges with a large number of institutions and individuals. These included: researchers, and experts of FAO, CGIAR Centers; institutions involved in critical evaluation work (U.N. Unit for project evaluation); professors from the universities of Cambridge (U.K.), Yale (USA) and Ankara (Turkey).

A mission was undertaken to the West Asia and North Africa (WANA) Region in November 1993. In the course of the mission documentation was gathered on the improvement of major crops. Eighteen scientists and economists from ICARDA, the IPGRI/IBPGR WANA Regional Office, Syrian national programmes and universities were interviewed. Farmers from Northern Syria who had adopted improved barley varieties were also interviewed.

FROM JANUARY 1989 TO DECEMBER 1992

EXPERT IN THE POLICY AND PLANNING UNIT. DIRECTORATE FOR COOPERATION OF THE MINISTRY OF FOREIGN AFFAIRS. ROME . ITALY

In charge of evaluation, monitoring and planning of development programmes of different nature.

-Responsible for the CGIAR programme.

From 1985 to 1992, with growing responsibilities but as an extension with her previous position described below, she represented Italy at the annual ICW meetings in Washington.

Also participated in the donors' mid-term consultations in Montpellier, 1987; in Berlin, 1988; in Canberra, 1989; in Paris, 1990; in Istanbul, 1992 and the European donors consultations in Interlaken, 1988, in Vienna 1989, in Copenhagen 1990, in Rome 1991.

Coordinated the organization of the two meetings which took place in Rome (mid-term 1985 and European donors 1991).

Evaluation missions of programmes with ICARDA, CIMMYT, ISNAR, IFPRI and other CG Centers.

Part of the Italian delegations and preparatory works Committees for the FAO Commission for Genetic Resources meetings in 1989 and 1991.

- In charge of the Italian/United Nations investment programme for rural development and substitution of illegal crops in drug producing countries.

In this capacity, Ms. Salerno held periodical consultations on the joint programme in Rome and with the U.N. Secretariat in Vienna while coordinating activities with the U.N. Crime Prevention Office.

As a member of the U.N. international team for global evaluation of drug control projects, Ms. Salerno took part to the evaluation of the U.N. initiatives in 1989 Mexico (in the States of Oaxaca, Guerrero, Michoacan), in 1990 Morocco (in the Rif area, Azila Region) and in 1991 Thailand (in the so-called Golden Triangle).

- Worked for two years from 1990 to 1992 with the Office of the Undersecretary of State in charge of anti-drug activities, acting as a liaison officers with the Ministry of Interior and Ministry of Justice for the coordination of Italian activities related to drug control in the major United Nations and E.E.C. fora.

In this capacity, took part in donors consultations in Washington, Bruxelles and Madrid and part in the Italian delegations at the periodical meetings of the Dublin Group, the U. N. Commission and E. E. C. Donor Groups.

Member of the team writing speeches and articles for the Undersecretary , Ms. Salerno worked at the elaboration of the book for the House of Senate as mentioned in the publications.

- Has participated in various meetings as Italian representative with ad hoc instructions. This was the case for
the Energy Master Plan (Esmap) of the World Bank;
projects for women integration in the development process with UNSRID and UNITAR, UN/dtcd;
initiatives for Yong Professionals training;
and international bidings for U.N. AND WORLD BANK projects.

FROM DECEMBER 1982 TO DECEMBER 1988

EXPERT OF THE DESK FOR MULTILATERAL INVESTMENTS.
DIRECTORATE FOR COOPERATION OF THE MINISTRY OF FOREIGN
AFFAIRS. ROME. ITALY.

-In charge of activities concerning Italian-funded projects to be executed by U. N. Organizations or Agencies.

In particular, Ms. Salerno was in charge of investments in rural development with UNICEF, with UNDP and IFAD.

Inter alia, she was the officer in charge of two large undertakings for Africa :the the "Cassava Pest Control" in Africa and the Agrhymet Project. Participated in the negotiations at the early stage ofthe projects identification and monitored the on-going activities. In this context also provided liaison with U.N. Executing Agencies, the Organization of African Stats (OAS), the Club of Sahel, and the Erice Center of Applied Phisics.

-In charge of the Italian participation in the International Labor Organization Programme for public investments in developing countries.

The Programme promoted by the I.L.O. was a global undertaking, for the total value of approx. 80 million dollar . Various donors joined to finance projects for the construction of public works using labour intensive techniques.

Represented Italy at the periodical meetings of planning and evaluation of the above programme organized by I.L.O. in Geneva and took part in the Italian delegation to the annual meetings General Assembly of I. L. O.

Also elaborated economic studies on this matter that have been presented in conferences and articles quoted above under publications.

FROM AUGUST 1980 TO AUGUST 1982.

PROGRAMME OFFICER . UNITED NATIONS DEVELOPMENT PROGRAMME.
BANGKOK . THAILAND.

Part of the international UNDP team for the economic planning of investments in technical assistance in Thailand.

Followed UNDP projects for women participation in development financed with international grants and pre-investment studies to access to World Bank loans. Was the focal point for the national Thai counterpart (Dept. for technical Cooperation, DTEC) in the management of the activities of rural development projects.

Travel to Malaysia and Indonesia.

FROM OCTOBER 1979 TO MAY 1980 .

TEACHING ASSISTANT TO THE CHAIR OF POLITICAL ECONOMICS.
JOHNS HOPKINS UNIVERSITY BOLOGNA CENTER.

The Italian Center of the JHU specialized in international economic issues. She assisted the chair of Political Economics (prof. W. Hankel of the University of Berlin) to teach a course on the Economics of Foreign Politics of Western Germany and the Euro-dollar Market.

*Italian Trust Fund
for Individual Consultants*

III
***BENEFICIARY'S OFFICIAL
APPLICATION***

IN REPLYING QUOTE DATE

HEREOF AND No.....



MINISTRY OF FINANCE,

P. O. Box 757,

Main & Urquhart Streets,

Georgetown,

Guyana.

May 11, 1995

Mr. Charles Greenwood
IDB Representative
High Street
Kingston
GEORGETOWN

Dear Mr. Greenwood

The Government of Guyana is seeking the Bank's assistance for the funding of the consultancy services required for the preparation of the project for the establishment of the Environmental Protection Agency (EPA) in Guyana.

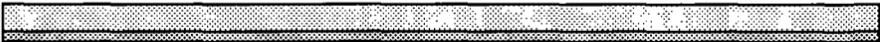
We are currently in the process of drafting the Environment Protection Agency Act which will soon be considered by the Parliament for its passage. The enactment of this law will create the EPA and technical assistance will be required in order to start activities in the newly created Agency. We understand that several sources of grant funds might be available for these purposes, one of which could be the Italian Trust Fund.

In light of this situation, the Ministry hereby requests the IDB to start procedures in order to obtain non-reimbursable funds available in the Italian Trust Fund for the contracting of individual of international consultants who will help in the preparation of the EPA project.

Sincerely yours

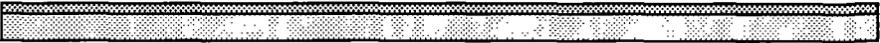
BHARRAT JAGDEO
Minister in the
Ministry of Finance

cc: Navin Chanderpaul
Adviser to the President



*Italian Trust Fund
for Individual Consultants*

IV
DETAILED BUDGET



ITALIAN CTFUNDS

ROSINA SALERNO

Individual Consultant Contract

Budget in US\$

Items	x day	#dys	subtotal	x unit	#uns	subtotal	total
A. Fees							18000
Honoraria	300	60	18000				
B. Direct Costs							22000
1. Travel						8000	
Rome-Georgetown-Rome				3000	2	6000	
Rome-Washington-Rome				2000	1	2000	
2. Per diem			7990				
In Guyana	140	50	7000				
In Washington D.C.	198	5	990				
3. Other						6010	
Communications						600	
Materials						410	
Surveys						5000	
TOTALS							40000