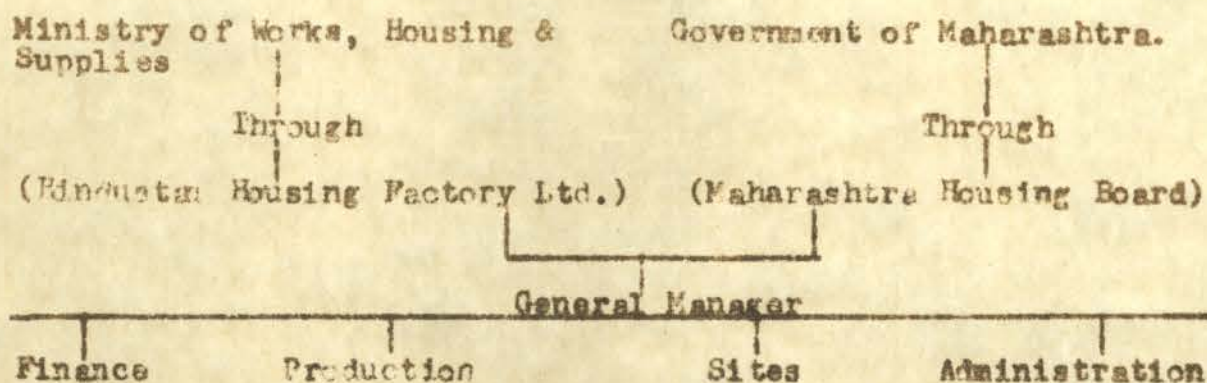


3. Institutional Framework:

BOMBAY FACTORY



4. Provision for Government follow up.

In the case of Bombay Factory the government of Maharashtra will assure a continuous order for 20 years. During that period fresh programme of setting up new factories for additional requirements of Housing shall be taken up.

Other related activities

Nil.

Future UNDP assistance.

6. Short term consultancy services may be required to improve technology of manufacture and erection etc., after assessing the performance of the initial construction designs and technology.

SECTION II

Objectives of the Project

A. Long range objectives

The assistance is sought with a view to improving the technology of prefabrication and to promote application of modern methods of construction to increase the quantum of production with economy, speed and quality of work in the long run.

B. Immediate objectives

The Immediate objectives of the Bombay Project is to augment present building activity by adopting improved modern technology of construction giving quick results. The construction programme shall meet the immediate requirements of housing economically weaker section of society in group housing construction.

SECTION III

WORK PLAN

A. Description of project activities

1. Preparatory activities to be carried out by the Government to ensure the timely implementation of the Project:

Project Activities	Location	Starting proposed	Date and duration.
a) Approval of detailed project Report by the Government.			
b) Development of site and putting up of factory structures.			
c) Import of plant and equipment after obtaining requisite clearances.			

2. Activity to be undertaken during the Project

- a) Manufacture of prefabricated components and construction.
- b) Transport of insitu foundations and erection of components.
- c) Finishing and handing over of tenements.

B. Description of UNDP inputs

1. Assignment of international staff

Location	Starting date	Duration
----------	---------------	----------

NIL

2. Sub contracts NIL

3. Training provisions

Amt.	Location	Starting date	Duration
------	----------	---------------	----------

Visit of HMF officials for equipment selection.	\$5000	Abroad	1973	6-8 months.
-------------------------------------------------	--------	--------	------	-------------

4. UNDP provided supplies and equipment

Expendable equipment & supplies	NIL
---------------------------------	-----

NON EXPENDABLE EQUIPMENT

	1973 (In thousands \$)	1974	1975	Cost \$
a) Batching and mixing plant.	23			23,000
b) Arbau Train	14	78.6		92,600
c) Multi-weld machine		40		40,000
d) Schmidt Hammer			0.5	500
e) Hollow core slab machine.		62.9		62,900
f) Tower Cranes.		65.5	65.5	1,31,000

5. Miscellaneous

- a) Operation and maintenance of equipment
- b) Report
- c) Sundry
- d) Direct costs (incl. mid-project review)

G. Description of Government inputs

1. Pre-requisites

	Location	Starting date.	Take over date
a) Acquiring selected land (already done by Maharashtra housing Board)			
b) Obtaining final approval of the Govt. for starting the work on the project.			

2. Assignment of national staff

ESTABLISHMENT

Designation	Grade	Total staff	Total annual pay
a) General Manager	1800-2000	1	28044.00
b) Works Manager	1300-1600	1	20400.00
c) Dy. Finance Manager	1100-1400	1	18456.00
d) Sr. Engineer	700-1250	4	52800.00
e) Jr. Engineer	590-900	3	38377.00
f) A.E.E.	400-950	4	33300.00
g) Foreman	400-600	2	17160.00
h) Jr. Officers I	350-900	9	111548.00
i) Jr. Officers II	350-680	1	8580.00
j) Assistants.	270-575	5	35996.00
k) Staff	250-380	9	57538.00
l) Staff	210-425	15	92076.00
m) Staff	200-280	2	10032.00
n) Staff	180-380	12	68055.00
o) Staff	160-360	1	5172.00
p) Staff	150-280	12	58803.00
q) Staff	130-300	34	155530.00
r) Staff	110-180	35	115520.00
s) Staff	90-132	2	5400.00
t) Staff	80-128	2	4728.00
u) Staff	70-85	44	79200.00
		199	10,18,513.00

3. Government provided buildings, supplies & equipment

EXPENDABLE EQUIPMENT AND SUPPLIES

	Location	Starting date	Cost
a)			
b)			
(etc.)			

NON EXPENDABLE EQUIPMENT

DETAILS OF FIXED CAPITAL REQUIREMENTS

Abstract

Rs.

A.	FACTORY BUILDINGS	41,67,310
B.	ADMINISTRATIVE BUILDINGS	3,77,000
C.	FACTORY QUARTERS.	1,18,580
D.	ROADS	2,77,150
E.	ELECTRICAL OMSTALLATOPN	5,46,723
F.	WATER & SANITARY INSTALLATION	1,59,213
G.	SEWERAGE & DRAINAGE.	31,965
H.	LAND & DEVELOPMENT	25,60,000
I.	MACHINERY & EQUIPMENTS.	93,86,772
J.	VEHICLES	11,29,075
K.	MOULDS	11,29,075
L.	TOOLS.	2,00,000
M.	FURNITURE & OFFICE EQUIPMENTS	1,57,980

Total:-

2,02,11,828.

4. Miscellaneous:

- a) Operation and maintenance of equipment
- b) Sundry

Project Budget covering UNDP contribution (in U.S. dollars)

Country

India

Project No.

Title:

	Total m/m \$	1972 m/m \$	1973 m/m \$	1974 m/m \$	1976 m/m \$
10. <u>PROJECT PERSONNEL</u>					
11. Experts:					
11.01					
02					
(etc.)					
19. Component total					
20. <u>SUBCONTRACTS</u>					
21. Subcontracts					
21.01					
02					
(etc.)					
29. Component Total					
30. <u>TRAINING</u>					
31. Fellowships:					
31.01 Visit of Indian personnel to select Equip.					
31.02					
(etc.)					
39. Component Total					

EQUIPMENT

41 Expendable
equipment

42 Non expendable
equipment

	1973	1974	1975	Cost
	(In thousands)			
a) Batching and mixing plant	23			23,000
b) Arbau Train	14	78.6		92,600
c) Multi-weld machine		40		40,000
d) Schmidt Hammer			0.5	500
e) Hollow core slab machine		62.9		62,900
f) Tower Cranes		65.6	65.5	1,31,000

43 Premises

49 Component Total

50 MISCELLANEOUS

51 Operation &
Maintenance of
equipment.

52 Reporting Costs

53 Bundry

54 Direct Costs

59 Component Total

99 GRAND TOTAL

Project Budget covering Government Counter Part

Country India

Project No.

Title

Total	1972	1973	1974	1975
m/m	m/m	m/m	m/m	m/m

10 PROJECT PERSONNEL

Designation	Grade	Total staff	Total annual pay
a) General Manager	1800-2000	1	28044.00
b) Works Manager	1300-1600	1	20400.00
c) Dy. Finance Manager	1100-1400	1	18456.00
d) Sr. Engineers	700-1250	4	52800.00
e) Jr. Engineers	590-900	3	38377.00
f) A.E.E.	400-950	4	33300.00
g) Foreman	400-600	2	17160.00
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k) Staff	250-380	9	57538.00
l) Staff	210-425	15	92076.00
m) Staff	200-260	2	10032.00
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p) Staff	150-280	12	58803.00
q) Staff	130-300	34	155530.00
r) Staff	110-180	35	115520.00
s) Staff	90-132	2	5400.00
t) Staff	80-128	2	4728.00
u) Staff	70-85	44	79200.00
Total:		199	10,18,513.00

30 TRAINING

31 Fellowships: Main-
tenance of trainees .

39 Component Total

40 EQUIPMENT

41 Expendable equipment

42 Non-expendable
equipment.

DETAILS OF FIXED CAPITAL REQUIREMENTS

A. FACTORY BUILDINGS	41,67,310
B. ADMINISTRATIVE BUILDINGS	3,77,000
C. FACTORY QUARTERS	1,18,550
D. ROADS	2,77,150
E. ELECTRICAL OMSTALLATOPN	5,46,723
F. WATER & SANITARY INSTALLATION	1,59,213
G. SEWAGE AND DRAINAGE	31,965
H. LAND & DEVELOPMENT	25,60,000
I. MACHINERY AND EQUIPMENTS.	93,86,772
J. VEHICLES	11,00,090
K. MOULDS	11,29,075
L. TOOLS	2,00,000
M. FURNITURE AND OFFICE EQUIPMENTS	1,57,980
TOTAL:-	2,02,11,828

43. Premises

49. Component Total

50. MISCELLANEOUS

51 Operation and
Maintenance of
equipment.

53 Sundry

59 Component Total

99. GRAND TOTAL:

Total	1972	1973	1974	1975
m/m \$	m/m \$	m/m \$	m/m \$	m/m \$

ORIGINAL DIRECT

RECORDS CONTROL

JAN 25 1973

CD/LI

Mr. Bahgat El-Tawil, Deputy Director
for Planning and Evaluation, OTC

19 January 1973

TE 210 (1)
UNIDO

Paul L. Faber, Director
Division of Public Finance
and Financial Institutions

Mexico - Programming the Development of the Capital
Goods Industry, Phase II (MEX/72/014/C/01/37)

1. We have read with interest the above, in particular the sections dealing with the industrial policy and investment promotion. With the assistance of consultants, we have prepared a preliminary case study and a thorough case study on the transfer of operative technology at the enterprise level, with particular emphasis on automotive and related industries, petrochemicals and pharmaceuticals as well as the development of R and D closely associated to the operation of national enterprises, private and public.

2. These studies were submitted to the Interregional Expert Group on the Transfer of Operative Technology, held at Headquarters in June 1971.

3. It may not be sufficient to keep us informed of the progress of this project. The case studies mentioned earlier were carried out under our supervision by Dr. Wionczek and a team from Nacional Financiera. It is well known that Dr. Wionczek has assisted the government in designing the structure of a dramatic science policy and transfer of operative technology at the enterprise level. Our studies have shed light on major issues such as the adaptation programmes and quality control pursued by Mexican enterprises. The high cost of domestic inputs and factors responsible for that especially in the pharmaceuticals and the auxiliary sector which provides parts and components to the automotive industry. Recourse to second-hand capital goods and areas where high rate of technological obsolescence commands the use of new capital, equipment were carefully reviewed as well as the export opportunities for Mexican manufactures and the sale of Mexican patents and technology to other countries.

4. Suffice it to state that for the welfare of the project it is essential the UN/OTC more than consults with the ESA Department and this Division at all stages. We stand ready to share with UNIDO the substantive backstopping of this project.

ORIGINAL DIRECT

RECORDS CONTROL

JAN 30 1973

29 Jan. 73

Mr. Bahgat El-Tawil, Deputy Director
for Planning and Evaluation, OTC

TE 210(1)
UNIDO

Paul B.W. Colling, Chief
Technology Applications Section, OST

MEXICO: Programming the Development of the Capital
Goods Industry, Phase II (MEX/72/014/C/01/37)

We have reviewed the above request and have no comment
to offer.

UNITED NATIONS
DEVELOPMENT PROGRAMME



PROGRAMME DES NATIONS UNIES
POUR LE DEVELOPPEMENT

cc: T. Trisciuzzi, UNIDO, Vienna
Mrs. Carmen Korn, UNOTC, NY
P. Berthoud, UNCTAD, Geneva
K. Vyasulu, UNIDO, POS

POSTAL ADDRESS: P.O. BOX 812
CABLE ADDRESS: UNDEVPRO
TELEPHONES: 62-37056, 37057, 37059

19 KEATE STREET
PORT-OF-SPAIN
TRINIDAD & TOBAGO

TE 210 (1) UNIDO

REF:

BAR/72/004/1-220

18 January 1973

Dear Mr. Valdes,

Organization and Administration of National Standards
Institution

We have received from the Government of Barbados an official request for assistance in the above-cited project, the cost of which is to be charged to the country's IPF.

Attached are five copies each of the Project Summary and draft Project Document, submitted in accordance with Paragraph 3, Page V.D.1 of the UNDP Operational and Financial Manual, Chapter IV.

With UNDP/UNIDO assistance in the form of a small scale project, a National Bureau of Industrial Standards has been established. Because of the lack of trained nationals, assistance will be needed in the organization and administration of the newly established institution in its formative years.

This institution will undertake diverse responsibility for the maintenance of quality of goods entering the domestic market as well as those destined for export. The BNSI, which has been established with the full co-operation of commercial interest would also help in the process of changing over to the metric system.

This project request which is outlined on P. 26 of the Draft Country Programme, personally has been given the highest priority by the Prime Minister.

I fully support this request and consider the appropriate organization and administration of a well-equipped National Standards Institute a prerequisite to diversifying the economy of Barbados which is one of the main objectives of the National Development Plan. A properly established National Standards Institute is essential to industrial development.

Mr. Gabriel S. Valdes S.
Asst. Administrator and Director
Regional Bureau for Latin America
United Nations Development Programme
New York, N.Y. 10017, U.S.A.



2.

In accordance with Paragraph 4, Page 1 of UNDP/PROG/HQTRS/21 we are sending a copy of this letter and a copy each of the attached documents to UNIDO, UN and UNCTAD.

Yours sincerely,

Antonio Patriota
Regional Representative

RESTRICTED
20 November 1972

UNITED NATIONS DEVELOPMENT PROGRAMME

Project Summary*, Government of
BARBADOS

Project Title: Organization and Administration of National Standards
Institution

Number BAR/72/004/A/01/37

Date of Submission: 10 October 1972

Sector: Industry

Subsector: Industrial Services
and Institutions

Proposed starting date for

full project operations: June 1973

Proposed duration: Three years

Proposed Government

Co-operating Agency: Ministry of Trade, Industry and Commerce

Amount requested from the UNDP:

US\$ 241,550

Proposed Government counterpart

contribution:

in cash: EC\$ N.A.

in kind: EC\$ 666,700
(local currency)

Total: US\$ 574,900

*PLEASE NOTE THAT THIS DOCUMENT IS A SUMMARY OF THE PROJECT AS SUBMITTED
AND DOES NOT REPRESENT THE VIEWS OF THE UNDP ON ITS MERITS.

I. Background

1. With the establishment of the Caribbean Free Association (CARIFTA) of which Barbados is a founding member since May 1968, the country has witnessed a significant fillip in industrial development particularly with reference to garments, building materials, processed foods and pharmaceuticals. There has also been sizeable diversion of trade in imports from the traditional highly developed third countries to intra-CARIFTA sources as a result of preferential access enjoyed by the latter. Both these trends have underlined the importance of quality control of domestic manufactures as well as imports into and exports from Barbados. Standardization is an integral part of quality control and paves the way for co-operation between the producers, consumers and the Government. There is also an agreement between the four more developed member governments of the CARIFTA to achieve in the subsequent phase to national standards, a co-ordination of these norms at the regional level, the ultimate goal being uniform standards for the ECLA countries and co-operation with the International Standards Organization.
2. On the basis of a specialized examination on two occasions during 1969-72 by two UNIDO experts, of the nature and scope of the activities and institutional set-up that should be visualized realistically to match with the needs of the situation, the Government of Barbados decided to include in the National Economic Development Plan of 1972-76 currently under finalization the proposal to establish the Barbados National Standards Institution (BNSI). With its multi-purpose character, the BNSI would also help the process of change-over by Barbados from the FPS to the metric system on a phased basis. It will also be the agency for the related activities of certification marking.

3. The Government has already selected a national to serve as counterpart to the Senior Technical Adviser. He has already undergone training to cope adequately with the responsibilities of the post. He had been sent abroad under UNDP/UNIDO Fellowship.

4. The BNSI is being established by Registration under the Companies Act, 1910, and will be governed by a General Council with the Minister of Trade, Industry and Commerce as President. It will be an autonomous body. While the Government will assume the major share of the financial burden for the BNSI, particularly in the initial stages, the private sector is also expected to share the responsibilities commensurate with its ability and the benefits accruing to it. The new building to house the standards office and library will become available by about the middle of 1973.

II. The Project

5. The UNDP Country Programme is under formulation and the project document contains the assurance that it would be included in the Country Programme for Barbados to be presented to the Governing Council in June 1973.

6. The project provides an important technical infrastructure and supporting activities intended to benefit a large cross-section of agro-processing and other industrial activities of Barbados in harmony with interests of the consumption sectors and requirements of the external trade. Sooner or later, development gets inhibited if quality of goods produced is not maintained and therefore it has been rated as of high priority in the scheme of Government's planning activities for the economy.

7. Its immediate objectives are as follows:

- (i) Evolve standards suitable to the conditions of the country and its needs rather than depend on standards of other countries which are often not complete answers to the problems and requirements of the nation;
- (ii) Help quality production in the country for its needs and within its capabilities;
- (iii) Assure importation of the right quality of material i.e. qualities best suited for the Country and therefore in accordance with the standards evolved by its national standards institution; thus gradually eliminating the need to import raw material by brand name, very often at a high price;
- (iv) Help co-ordinate standards among CARIFTA countries;
- (v) Establish quality control laboratory and then organize the Certification Marking Scheme of the Institution.

III. Financial Data

A. Contribution requested from UNDP

	Total	
	m/m	US\$
<u>Project Personnel</u>		
<u>Experts</u>		
Senior Technical Adviser	1/36	90,000
Short-term experts	4/12	30,000
Component Total	5/48	120,000

		Total	
		m/m	US\$
<u>Training</u>			
<u>Fellowships</u>			
Engineer for Standards work	2/5	4,250	
Analytical Chemist for Laboratory	2/5	4,250	
Engineer for inspection and testing	2/5	4,250	
Engineer for Metrology Laboratory	1/4	2,800	
Component Total	7/19	15,550	
<u>Equipment Total</u>			
Expendable and Non-Expendable		100,000	
Premises			
Component Total		100,000	
<u>Miscellaneous</u>			
Reporting costs		5,000	
Sundry		1,000	
Component Total		6,000	
GRAND TOTAL		241,550	

		Total	
		m/m	EC\$
B. <u>Proposed Government Counterpart</u>			
<u>Contribution in kind</u>			
<u>Project Personnel</u>			
Co-Director, BNSI	1/36	36,000	
Engineers	10/102	58,440	
Analytical Chemist	1/36	20,520	
Secretary (Administration/Finance)	1/36	20,520	
Secretary to Director/Senior Adviser	1/36	12,720	
Librarian	1/36	18,360	
Typist Clerk	6/66	10,320	
Library Assistant	1/36	5,940	
Messenger	2/54	8,880	
Component Total	438	191,700	

5.

	<u>Total</u> EC\$
<u>Equipment</u>	
Expendable equipment	-
Non-Expendable equipment	-
Premises including buildings with services, furniture and fittings for offices and Laboratories	<u>460,000</u>
Component Total	<u>460,000</u>
<u>Miscellaneous</u>	<u>15,000</u>
Component Total	<u>15,000</u>
GRAND TOTAL	<u><u>666,700</u></u>

UNITED NATIONS DEVELOPMENT PROGRAMME

Project of the Government of

Barbados

Title: Organization and Administration of National
Standards Institution

Number: BAR/72/004/A/01/37

Duration: Three years

Sector: Industry (35)

Subsector: Industrial Services and Institutions (3530)

Government Co-operating Agency:
Ministry of Trade, Industry
and Commerce

Executing Agency: United Nations
Industrial Development
Organization (UNIDO)

Date of Submission: 10 October 1972

Starting Date: June 1973

Government Contribution: EC\$666,700

UNDP Contribution: US\$241,550

Approved: _____
on behalf of the Government
(signature)

Date: _____

on behalf of Executing Agency
(signature)

Date: _____

on behalf of UNDP
(signature)

Date: _____

I. BACKGROUND AND SUPPORTING INFORMATION

A. Justification for the project

Under the stimulus provided by the Barbados Industrial Development Corporation since its inception, the industrial sector of Barbados has registered substantial expansion and has begun to replace imported goods by local goods in the domestic market. Special mention may be made in this connection of the garments, building materials, processed foods and pharmaceutical industries. Some of these products are also exported out of this country to member countries of the Caribbean Free Trade Associations CARIFTA as well as to other countries.

Further the pattern of imports to Barbados has also undergone major shift by substitution of some of the manufactured products from the developed countries by goods of CARIFTA origin, and of semi-finished goods to be further processed in Barbados. Both these trends are likely to be intensified in the coming years. Accent on industrialization and exchange of goods in the CARIFTA region will have far reaching consequences to industrial developments contemplated by Barbados on its own as well as on its CARIFTA associates.

To safeguard the interests of Barbados in the domestic market of imports from CARIFTA and the world market as well as exports from Barbados to CARIFTA countries, and to other countries of the world, attention to quality of goods being traded assumes crucial importance.

The Government of Barbados decided in the late sixties that Barbados should establish its own national standards bureau. The service of Mr. G. Davis was made available to the Barbados Government by the United Nations to advise the Government on the organization of standards bureau of the country. During this period Mr. Davis became also associated with another U.N. Expert, Mr. Gordon Weston in examining the desirability and feasibility of establishing a Caribbean Regional Standards Organization.

Mr. Davis' recommendation on the Barbados National Standards Bureau was accepted by the Government and as a first step the Government of Barbados became a co-respondent member of International Organization of Standardization (ISO) in 1968.

At the request of the Government of Barbados the services of Dr. A.N. Ghosh was secured in August, 1971 on a short term basis through United Nations.

121 The short term service of Dr. Ghosh was to assist the Government of Barbados in the establishment of a Bureau of Industrial Standards and quality testing and quality control. In order to give shape to this import project the short time assignment was subsequently extended and converted to intermediate term status.

Accepting the structural set up proposed by the expert the Government of Barbados has established in cooperation with all interests involved, the Barbados National Standards Institution to undertake diverse responsibility for maintenance of quality of goods entering the domestic market and those destined for export, in accordance with the needs technically assessed and established.

The establishment of a national standards institution in Barbados is also in conformity with the resolution passed in CARIFTA Ministers Council in 1968. This as envisaged by CARIFTA Ministers Council in 1969 paves the way for regional coordination of standards.

The institution with its multi-purpose character would also help the process of change over by Barbados from FPS System to the metric system (SI) on a phased basis. It will also be the agency for the related activities of certification marking.

2 -

In its first phase extending over the period of the UNDP Country Programme of this country between 1973-76, the institution will embark on the modest programme as spelt out in later sections.

A counterpart personnel had been assigned to the UN expert in August, 1971. After working in close association with Dr. Ghosh for 10 months he was sent for intensive training under U.N. Fellowship Scheme to India (India Standards Institution), Geneva (ISO). Britian (British Standards Institution) for 4 months. He also spent a week in Canada at the Canadian Standards Association other supporting staff are being gradually recruited. Another engineer has recently joined.

B. Institutional Framework

The Institution is being established by Registration under the Companies Act, 1910. It will be governed by a General Council with the Minister of Trade, Industry and Commerce as President. It will thus be an autonomous body like the Barbados Institute of Management and Productivity. While the Government will assume the major share of the financial responsibility of the establishment and operation of the institution particularly in the initial stages, the private sector is expected to support its activities in all possible ways including financial contribution commensurate with its ability as well as benefits accruing to it.

The institution will be administered by a Director under policy directives obtained from the General Council. (See the schematic diagram appended).

C. Provision for Government follow-up

While increasing support from the private sector is foreseen, the Institution will have full Government support as justified on merits on long term basis. It is the policy of the Government to use this institute as major infrastructural support for the promotion of industrial development and expansion of trade internal as well as foreign.

D. Other related activities

1. Starting with standardisation in the national level the institution will proceed to -
 - a) contribute towards evolution of regional standards in the CARIFTA and later in the Central/Latin American Region;
 - b) actively participate in the International Standardisation work;
 - c) organise company standardisation courses for the industrial sector.
2. Through the laboratory contribute to:
 - a) the use of indigenous materials which are easily available and are cheap as alternatives to materials either imported from abroad or if indigenous are in short supply and/or are more expensive;
 - b) establish alternative standard test methods which are economic and more suited to the capabilities of the local laboratories.

/E.

E.

Future UNDP Assistance

II. OBJECTIVES OF THE PROJECT

Place of Project in the proposed or approved Country Programme

This project will be included in the country programme for Barbados when it is submitted for approval

A.

Long-range objectives

This project is designed to:

1. Place the industrial and agricultural production of the country on high quality level and thus lead to overall economy of the nation.
2. Help economic production by instituting continuous quality control and total quality control in the industrial organisation thus avoiding -

- i) inefficient production runs (due to bad utilization of man, machine and material);
- ii) large scale rejection of final product either as completely unusable or as sub-standard product;

This will add up to an increase of overall productivity.

3. Help establish a system of preshipment inspection of goods exported out of the country so as to assure the world market that only goods of acceptable quality are exported by Barbados.

B.

Immediate objectives

1. Evolve standards suitable to the countries conditions and needs rather than depend on standards of other countries which are often not complete answers to the nations problems and requirements.
2. Help quality production in the country for its needs and within its capabilities.
3. Assure importation of the right quality of material i.e. qualities best suited for the country and therefore in accordance with the standards evolved by its national standards institution. Thus gradually eliminating the need for import of raw material by brand name, very often at a high price.

4. Help Coordinate standards among CARIFTA countries.
5. Establish quality control laboratory and then organize the Certification Marking Scheme of the institution.

C. Does the Project have investment potential?

The project per se does not have a direct investment potential. It will, however, contribute greatly towards better utilization of investments in industrial production of the country.

III. WORK PLAN

A. Description of Project Activities

Location Bridgetown	
Project Activities	Proposed duration and starting date
1. Transfer of BNSI administration and standards office - library, etc. to the new building.	June - December, 1973
2. Arrival of Senior Technical Adviser to the Director.	June
3. Tendering for and receipt of equipment and supplies including UNDP component for testing laboratory.	July onwards
4. Progress in the formulation of standards on selected subjects.	June - December
5. Completion of construction of testing laboratory including fittings, services and furniture	" "
6. Installation of the testing laboratory.	"
7. Prepare for Government the technical and administrative requirements for metrification.	"
8. Prepare the basic draft for the revised version of the Barbados Weights and Measures Act.	"
9. U.N. Fellowships 3 persons - see p. 13	Jan. 1973 - June 1974
10. U.N. Fellowships 1 person - see p. 13 United States or United Kingdom	June 1974
11. U.N. Fellowship 3 persons	1975

Location Bridgetown

Project Activities	Proposed duration and starting date
1. Continuation of standards formulation.	January - December 1974
2. Completion of the installation of equipment of testing laboratory	
3. Testing services to Industry	
4. Installation of the Metrological Laboratory	
<hr/>	
	January - December 1975
1. Fulledge functioning of standards making activity.	
2. Advise Government with reference to certification marking scheme	March 1975
3. Participate in the coordination of Regional Standards for the CARIFTA area and also the Latin American Region.	
4. Active participation in international standards organizations.	
5. Bringing into operation the certification marks activity.	November 1975
<hr/>	
	January 1976
1. Continuation of the above activities on an enlarged scale.	
2. Advise to Government on the introduction and implementation of the pre-shipment inspection for quality of goods.	

B.

Description of UNDP inputs

1. Assignment of international staff

I Senior Technical Adviser to the Director BNSI to help:

- a) complete the setting up of the standards institution BNSI and commencing the task of preparing and publishing national standards;
- b) help plan the building of the laboratory and equipment including laboratory furniture fittings, etc., services like power, gas, water, compressed air, vacuum lines, etc.;
- c) set up the laboratory and commence work of testing and metrology;
- d) train the staff of the BNSI in several branches of its activities;
- e) organize the certification marking scheme;
- f) prepare basic material for introduction of preshipment inspection for quality of goods for export out of Barbados;
- g) contribute to the change over to the metric system (SI) of measurement, when Government makes the final decision to change over as recommended by the "National Committee on the introduction of metric system of weights and measures in Barbados";
- h) organize training in company-standardization activity.

II Short term Experts for periods of 4 months each:

- a) to assist in organizing chemical laboratory
- b) to assist in organizing the Metrological Laboratory(weights and measures)
- c) to assist in organizing quality control and inspection services.

2. Provision of subcontractural services

None.

3. Training provisions

After initial training in the institution for six months some technical person will be required to undergo further training outside country with the help of U.N. Fellowships these are spelt out:

i)	<u>For Standardization and/or Quality Control</u>	
	<u>Fellowship</u>	<u>Duration</u>
a)	One engineer after working in B.N.S.I for 6 months for training abroad - Starting June 1973	2 m/m
ii)	<u>For the Testing - Quality Control Laboratory</u>	
a)	one analytical chemist after 6 months in B.N.S.I. and other Laboratories in Barbados - starting August 1973	3 m/m
b)	one engineer for inspection and testing - starting December, 1973	2 m/m
iii)	<u>For the metrology Laboratory</u>	
	One engineer after 3 months in the B.N.S.I. to the National Bureau of Standards Washington, D.C., U.S.A. or the National Physical Laboratory, Teddington, U.K. - starting June 1974	4 m/m
iv)	One engineer for standards work in 1975	3 m/m
v)	One analytical chemist in 1975	2 m/m
vi)	One Quality Control Technician in 1975	3 m/m
4.	<u>UNDP - provided supplies and equipment</u>	
	(a) Expendable	Delivery date to begin August 1973
	Chemicals and other supplies	
	(b) Non-expendable equipment -	
	i) for testing laboratory chemical	Delivery date to begin August 1973
	ii) for testing laboratory mechanical	Delivery date to begin August 1973
	iii) metrological equipment and ancillaries	October 1973

Details of the equipment are given in attached list A.

Description of Government Inputs

1. Prerequisite activities

Government action for establishment of BNSI is already in progress.

When the decision to adopt metric (SI) system of measures is taken the Weights and Measures Act, 1956-10 and the Rules and Regulations thereunder will have to be revised by ~~the~~ October 1973.

/Following,.....

Following legislation will have to be undertaken in subsequent years for developments as indicated under:-

- (a) Barbados National Standards Certification Mark.
- (b) and consideration will be given to the introduction of Legislation on Preshipment Inspection.

2.

Assignment of National Staff

Staff designation

a) <u>Head of the Institution</u> (Director)	<u>Starting</u>	<u>Takeover</u>
National Counterpart	August 1971	January 1973
b) <u>Engineers and Chemists as required</u>		
i) one engineer is being recruited	1972	
ii) one chemist will be recruited when the laboratory building and services are completed		early 1973
iii) one engineer for testing and inspection in Engineering Laboratory		middle of 1973
iv) one engineer for metrological Laboratory		middle 1973
c) <u>Secretarial and supporting staff</u>		
Secretary Administration and Finance	1973	
Stenographer - Secretary to Director	in position	
Typist	1972	
Library Assistant	in position	
Librarian	1974	
Messenger	in position	

/Staff.....

3. Government-provided supplies and equipment

Building of laboratory complete with laboratory, furniture, equipment and supplies like - power gas pneumatic and hydraulic lines, workshop, etc.	EC\$460,000
Training of nationals	5,000
Miscellaneous	<u>10,000</u>
	<u>475,000</u>

WORK PLAN — BAR CHART

	Preparatory	19.....73	19....74	19....75	19....76	19....77.
Prior obligations or preparatory activities by Government (legislation, premises, etc.)	Construction of building to house laboratories and BMSI by middle of 1973					
Assignment of international experts (indicate team-leader if applicable)		*-----Senior Technical Adviser-----* x-----x x-----x-----x Short-term Consultants				
Assignment of Government counterpart personnel		*-----Counterpart and Supporting Staff-----*				
Training Schedule		Engineer- * Chemist- * Engineer- *	Engineer Metrology * *	* - Engineer * - Engineer Inspection * - Chemist		
Delivery of major items of equipment (UNDP)	Expendable and non-expendable equipment for chemical laboratory to be completed by December 1973-September Physical Laboratory equipment, etc. February 1974	*-----*	*-----*	Meteorological laboratory equipment etc., January to April 1974 (for weights and measures)		
Availability of Government supplies and equipment		*-----accommodation, office equipment, etc.-----*				
Provision of miscellaneous items		*-----*				

Project Budget Covering UNDP Contribution

(in US Dollars)

Country: Barbados

Project No.: BAR/72/004/A/01/37

Title: Organization & Administration
of National Standards
Institution

		TOTAL		19.....73		19.....74		19.....75		19.....76		19.....77	
		m/m	\$	m/m	\$	m/m	\$	m/m	\$	m/m	\$	m/m	\$
10	PROJECT PERSONNEL												
11	<u>Experts</u>												
11-01	Senior Technical Adviser	1/36	90000	1/6	15000	1/12	30000	1/12	30000	1/6	15000		
11-02	Chemical Laboratory	1/4	10000	1/4	10000								
11-03	Metrological Laboratory	1/4	10000			1/4	10000						
11-04	Quality Control & Insp.	1/4	10000			1/4	10000						
19	Component Total	48	120000	10	25000	20	50000	12	30000	6	15000		
	<u>SUBCONTRACT</u>												
20	Component Total												
30	TRAINING												
31	<u>Fellowships</u>												
31-01	Counterpart												
31-02	Engineer for Standards work	5	4250	2	1900			3	2350				
31-03	Analytical chemist for lab.	5	4250	3	2350			2	1900				
31-04	Engineer for inspection & testing	5	4250	2	1900			3	2350				
31-05	Engineer for metrology lab.	4	2800			4	2800						
39	Component Total	19	15550	7	6150	4	2800	8	6600				
40	<u>EQUIPMENT</u>												
41	Expendable and		100000		25000		50000		25000				
42	Non-expendable												
49	Component Total		100000		25000		50000		25000				
50	<u>MISCELLANEOUS</u>												
53	Sundry		5000		500		2000		2000		500		
	Reporting Costs		1000		100		100		100		700		
59	Component Total		6000		600		2100		2100		1200		
99	<u>GRAND TOTAL</u>		241550		56750		104900		63700		16200		

Project Budget Covering Government Counterpart Contribution in Cash (where applicable)

(Services and facilities specified in the Work Plan which are to be provided to the project by the Government by means of a contribution in cash, in accordance with a schedule of payments to be annexed to the present document) (in local currency)

Country:	Barbados											
Project No.:	BAR/72/004/A/01/37											
Title:	Organization & Administration of National Standards Institution											
PROJECT PERSONNEL												
		TOTAL		19.....		19.....		19.....		19.....		19.....
	m/m	\$	m/m	\$	m/m	\$	m/m	\$	m/m	\$	m/m	\$
Component Total												
<u>TRAINING</u>												
Component Total												
<u>EQUIPMENT</u>												
Component Total												
<u>MISCELLANEOUS</u>												
Component Total												
<u>GRAND TOTAL</u>												

NOT APPLICABLE

Project Budget Covering Government Counterpart Contribution in Kind
(in local currency)

Country: **Barbados**
Project No.: **BAR/72/004/A/01/37**
Title: **Organization & Administration of National Standards Institution**

		TOTAL	19..... ⁷³	19..... ⁷⁴	19..... ⁷⁵	19..... ⁷⁶	19.....
	m/m EC\$	m/m \$	m/m \$	m/m \$	m/m \$	m/m \$	m/m \$
10	PROJECT PERSONNEL						
11-01	Counterpart to UN Expert Future Director (BNSI)	36 38000	6 6000	12 12000	12 12000	6 6000	
11-02	Engineers	102 58440	12 6600	36 20160	36 20880	18 10800	
11-03	Analytical Chemist	36 20520	6 3240	12 6720	12 6960	6 3600	
11-04	Secretary (Administration)	36 20520	6 3240	12 6720	12 6960	6 3600	
11-05	Secretary to UNE/Director	36 12720	6 1980	12 4140	12 4320	6 2280	
<hr/>							
11-06	Librarian	36 18360	6 2880	12 6000	12 6240	6 3240	
11-07	Typist Clerk	66 10320	6 840	24 3600	24 3840	12 2040	
11-08	Library Assistant	36 5940	6 900	12 1920	12 2040	6 1080	
11-09	Messenger	54 8880	6 960	12 2040	24 3840	12 2040	
<hr/>							
19	Component Total	438 191700	60 26640	144 63300	156 67080	78 34680	
<hr/>							
40	EQUIPMENT						
	Premises and Buildings including services, furniture and fittings for BNSI and Laboratories	460000	285000	175000			
49	Component Total						
<hr/>							
50	MISCELLANEOUS						
53	Sundry	15000	5000	5000	5000		
59	Component Total	15000	5000	5000	5000		
99	GRAND TOTAL	666700	316640	243300	72080	34680	

GOVERNMENT - INDUSTRY - CONSUMER - TECHNICIANS, ETC.

GENERAL COUNCIL
(PRESIDENT - MINISTER)

Director (UNE) - Secretary

Director (UNE) - Secretary

Executive Committee

Directorate

Director (UNE)

Common Services

Technical Secretary

Secretarial/Clerical

Technical Services

Engineers To
and
Technicians

Reproduction
Publication and
Standards

Analysts and
Inspectors

Certification
Marking

Technical Committees

Testing
Laboratory

Library

Preshipment
Inspection

Engineers

Metrological
Laboratory
(Later)

Technical Division Councils
Director member of all

LIST A

GENERALISED LIST OF EQUIPMENT, CHEMICALS AND OTHER
CONSUMABLE STORES FOR THE QUALITY CONTROL AND TESTING LABORATORIES
OF B.N.S.I.

	Price U.S. \$
Balances and spare parts	2477.34
Separation Equipment	532.80
(1) Sieves (standard and ordinary)	
(2) Sample divider	
(3) Centrifuge and accessories	
Grinder and spare parts	86.40
Ovens, Furnaces, Incubators and accessories and spare parts	4053.60
Hot plates	140.76
Prying Equipment	255.38
Waterbath (thermostatically controlled) and accessories	430.20
Portable Water De-ioniser and accessories	288.00
Lovibond Comparator 1000 and accessories	326.52
Portable Colorimeter and accessories and spare parts	298.37
Refractometer	831.60
Spectrophotometer and accessories and spare parts	1951.20
Half shadow Polarimeter and accessories and spares	181.80
Sodium lamp (Transformer and accessories)	137.66
Pressure and Vacuum Equipment	169.20
Chromatography Equipment;	
(1) paper	667.73
(2) thin layer	622.62
(3) Column	551.88
Nitrogen determination equipment; Kjeldhal Methods	757.80
Electrochemical Analysis Equipment;	
(1) Karl Fischer Apparatus and accessories and spares	1060.99
(2) PH meter and antotitrator and accessories and spares	833.40
(3) Polarograph	2130.00
(4) Electrodeposition Analyser and D.C. Power supply; external and internal electrodes	1152.00
Speed Moisture tester	298.37
Conductivity Bridge and Conductivity cell	522.00

General Laboratory Equipment

4726.33

Polythene ware, glass ware, porcelain ware, stainless steel ware. Filter equipment. Rubber tubes and bungs etc. Equipment racks and stands. Burners, gas lighters, blow pipes. Water baths, stop watches. Rules and measuring tapes. Stored gas cylinders. Glass ware driers. Battery chargers. Flask shaker. Mixers.

Materials and Textile Testing Equipment

16749.17

- (1) Mechanical testing equipment for metals, Building materials concrete, textile, Plastic and rubber.
- (2) Additional equipment for testing textile e.g Persperometer, salt spray apparatus etc.
- (3) Micrometers and Calipers for accurate external and internal measurement.
- (4) Microscope.
- (5) General safety Equipment e.g. Fire extinguishers and First Aid

Consumable stores

2004.11

- (1) Solid chemicals
- (2) liquid chemicals
- (3) Miscellaneous materials

General Workshop

363.96

Electric drill and accessories, hammers, files, spanners, screw drivers, soldering irons, micrometers and calipers, vice grips etc

Metrological Laboratory

25000.00

Standards for mass
length
capacity
temperature

Measuring and calibrating devises
Balance of accuracy
of various capacities
Length measuring equipment
Volume measuring devices

Special Air condition equipment. Temperature
Humidity
within very close ranges,

Purification system for chemical laboratory fumes and general laboratory effluents to maintain the standards of antipollution.

20,000.00

U.S\$ 90,561.19

ANNEX 1

ORGANIZATION OF THE PROJECT

General Responsibilities

1. The Government, the UNDP and the Executing Agency shall jointly be responsible for the execution of the project and the realization of its objectives as described in Part II of this Project Document.

2. The Government shall provide to the project the national project personnel, training facilities, land, buildings, equipment and other required services and facilities. It will designate the Government Co-operating Agency named in the cover page of this document, which will hereinafter be referred to as the "Co-operating Agency named in the cover page of this document, which will hereinafter be referred to as the "Co-operating Agency" and which will be directly responsible for the implementation of the Government contribution to the project.

3. The UNDP undertakes to complement and supplement the Government participation and will provide through the Executing Agency the required expert services, training, equipment and other services within the funds available to the project.

4. Upon commencement of the project the Executing Agency may be requested to assume primary responsibility for project execution. However, that primary responsibility shall be exercised in consultation and in agreement with the Co-operating Agency. Arrangements to this effect shall be stipulated in the project Work Plan as well as for the transfer of his responsibility to the Government or to an entity designated by the Government during the execution of the project.

5. Part of the Government's participation may take the form of a cash contribution to UNDP. In such cases, the Executing Agency will provide the related services and facilities and will account annually to the UNDP and to the Government for the expenditure incurred.

Participation of the Government

6. The Government shall provide to the project the services, equipment and facilities in the quantities and at the times specified in the Work Plan. Budgetary provision—either in kind or in cash—for the Government's participation so specified shall be set forth in the Project Budgets.

7. The Co-operating Agency shall in consultation with the Executing Agency assign a director for the project on a full-time basis. He shall carry out such responsibilities in the project as are assigned to him by the Co-operating Agency.

8. The estimated cost of items included in the Government contribution, as detailed in the Project Budget, shall be based on the best information available at the time of drafting this project proposal. It is understood that price fluctuations during the period of execution of the project may necessitate an adjustment of said contribution in monetary terms; the latter shall at all times be determined by the value of the services, equipment and facilities required for the proper execution of the project.

9. Within the given number of man-months of personnel services described in the Work Plan minor adjustments of individual assignments of project personnel provided by the Government may be made by the Government in consultation with the Executing Agency, if this is found to be in the best interests of the project.

10. The Government shall continue to pay the local salaries, and appropriate allowances of national project personnel during the period of their absence from the project while on UNDP fellowships.

11. The Government shall defray any customs duties and other charges related to the clearance of project equipment, its transportation, handling, storage and related expenses within the country. It shall be responsible for safe custody of the equipment, its installation and maintenance, insurance, and replacement if necessary, after delivery to the project site.

12. The Government shall assist all project personnel in finding suitable housing accommodation at reasonable rents.

13. The Government shall make available to the project—subject to existing security provisions—any published and unpublished reports, maps, records and other data which are considered necessary to the implementation of the project.

14. The services and facilities specified in the Work Plan which are to be provided to the project by the Government by means of a contribution in cash shall be set forth in the Project Budget. Payment of this amount shall be made in local currency to the UNDP in accordance with the Schedule of Payments by the Government.

15. Payment of the above-mentioned contribution to the UNDP on or before the dates specified in the Schedule of Payments by the Government is a prerequisite to commencement or continuation of project operations.

Participation of the UNDP and of the Executing Agency

16. The UNDP shall provide to the project through the Executing Agency the services, equipment and facilities described in the Work Plan. Budgetary provision for the UNDP contribution as specified shall be set forth in the Project Budget.

17. The Executing Agency shall consult with the Government on the candidature of the Project Manager-1/¹ who, under the direction of the Executing Agency, will be responsible in the country for the Executing Agency's participating in the project. The Project Manager shall supervise the experts and other agency personnel assigned to the project, and the on-the-job training of national project personnel. He shall be responsible for the management of all equipment provided to the project from UNDP funds.

18. The Executing Agency, in consultation with the Government, shall assign international staff and other personnel to the project as specified in the Work Plan, select candidates for fellowships and determine standards for the training of national project personnel.

19. Fellowships shall be administered in accordance with the fellowships regulations of the Executing Agency.

20. The Executing Agency may, in agreement with the Government and UNDP execute part or all of the project by sub-contract. The selection of sub-contractors shall be made, after consultation with the Government, in accordance with the Executing Agency's procedures.

21. All material, equipment and supplies which are purchased from UNDP resources will be used exclusively for the execution of the project, and will remain the property of the UNDP in whose name it will be held by the Executing Agency. Equipment supplied by the UNDP shall be marked with the insignia of the UNDP and of the Executing Agency.

22. Arrangements may be made, if necessary, for a temporary transfer of custody of equipment to local authorities during the lifetime of the project, without prejudice to the final transfer.

23. Prior to completion of UNDP assistance to the project, the Government, the UNDP and the Executing Agency shall consult as to the disposition of all project equipment provided by the UNDP. Title to such equipment shall normally be transferred to the Government, or to an entity nominated by the Government, when it is required for continued operation of the project or for activities following directly therefrom. The UNDP may, however, at its discretion, retain title to part or all of such equipment.

24. At an agreed time after the completion of UNDP assistance to the project, the Government and the UNDP, and if necessary the Executing Agency, shall review the activities continuing from or consequent upon the project with a view to evaluating its results.

Facilities, privileges and immunities

UNDP and Executing Agency personnel

25. In accordance with the Agreement concluded by UNDP and the Government concerning the provision of assistance, the personnel of UNDP and other United Nations organizations associated with the project, shall be accorded facilities, privileges and immunities specified in the said Agreement.

Subcontractors and their personnel

26. The Executing Agency's contractors and their personnel (except Government nationals employed locally shall:

(a) Be immune from legal process in respect of all acts performed by them in their official capacity in the execution of the project;

(b) Be immune from national service obligations;

(c) Be immune together with their spouses and relatives dependent on them from immigration restrictions;

(d) Be accorded in the privileges of bringing into the country reasonable amounts of foreign currency for the purposes of the project or for personal use of such personnel, and of withdrawing any such amounts brought into the country, or, in accordance with the relevant foreign exchange regulations, such amounts as may be earned therein by such personnel in the execution of the project;

(e) Be accorded together with their spouses and relatives dependent on them the same repatriation facilities in the event of international crises as diplomatic envoys.

27. All personnel of the Executing Agency's contractors shall enjoy inviolability for all papers and nel in the execution of the project;

28. The Government shall either exempt from, or bear the cost of any taxes, duties, fees or levies which it may impose on any foreign firm or organization which may be retained by the Executing Agency and on the foreign personnel of any such firm or organization in respect of:

(a) The salaries or wages earned by such personnel in the execution of the project;

(b) Any equipment, materials, and supplies brought into the country for the purposes of the project or which, after having been brought into the country, may be subsequently withdrawn therefrom;

¹ May also be designated Teamleader or Chief Technical Adviser, as appropriate.

(c) Any substantial quantities of equipment, materials and supplies obtained locally for the execution of the project, such as, for example, petrol and spare parts for the operation and maintenance of equipment mentioned under (b) above, with the provision that the types and approximate quantities to be exempted and the relevant procedures to be followed shall be agreed upon with the Government and, as appropriate, recorded in the Work Plan; and

(d) As in the case of concessions currently granted to UNDP and Executing Agency's personnel, any property brought, including one privately owned automobile per employee, by the firm or organization or its personnel for their personal use or consumption or which after having been brought into

the country, may subsequently be withdrawn therefrom upon departure of such personnel.

29. The privileges and immunities to which such firm or organization and its personnel may be entitled, referred to in the paragraphs above, may be waived by the Executing Agency where, in its opinion or in the opinion of the UNDP, the immunity would impede the course of justice and can be waived without prejudice to the successful completion of the project or to the interest of the UNDP or the Executing Agency.

30. The Executing Agency shall provide the Government through the resident Representative with the list of personnel to whom the privileges and immunities enumerated above shall apply.

ORIGINAL DIRECT

C. Zarkow

Cleared in draft:

Mr. El-Tawil
Mr. Dubey
Miss Weidlund

Mr. G. Valdés S., Assistant Administrator
and Director, Regional Bureau for Latin America,
United Nations Development Programme

5 January 1973

Stig Andersen, Director
Office of Technical Co-operation, USA

RECORDS CONTROL
FEB 1 1973

TE 210(1) UNID

COSTA RICA: Industrial Development (COS/72/007/B/01/37)

The project seems to have valid objectives for the achievement of the development goals of Costa Rica and we support the request.

Since the Government of Costa Rica is now preparing its new National Development Plan for the period 1974-78 and has recently requested assistance from the United Nations for this exercise, we would like to stress the need for a more effective coordinated United Nations assistance in both the sectoral and national plans, and for appropriate cross-references in each project document.

So far as the personnel component is concerned, we note that the allocation of \$102,500 for "other experts" lacks some specification. We consider this to be too large an area of unplanned resources and we would suggest two alternate remedies. One alternative would be to identify some definite areas of assistance requirements (e.g., textile industries, industrial zones, etc.) and distribute the allocation among them. The second alternative would be to divide the project into two stages: a six-month stage for preparation of the industrial sector plan and the identification of industrial projects, and a second, more operative, stage, aiming at implementation of the industrial plan.

Finally, we note in paragraph 6 of the project summary that OFIPLAN is referred to as the Ministry of Planning. We had understood that although the head of the National Planning Office has the status of Minister, OFIPLAN is actually attached to the President's Office.

C. Zarkow
Cleared: Mr. Dubey

ORIGINAL DIRECT
Mr. P. Faber, Director
Division of Public Finance & Financial Institutions
Mr. G. Grosford, Director
Office for Science and Technology
Mr. S. Vassilion, Assistant Director-in-charge
Development Planning Advisory Services, GDPPT

11 January 1973

TE 210 (1) UNIDO

Bahgat El-Tawil, Deputy Director
for Planning and Evaluation, OTC

MEXICO: Programming the Development of the Capital
Goods Industry, Phase II (MEX/72/014/C/01/37)

..... Please find attached Registry file TE 210 (1) UNIDO
in which you will find a copy of the Project Document submitted
by the Government of Mexico for UNDP assistance on the above
subject.

Should you wish to submit comments on this project request,
we would appreciate receiving them on or before 30 January.

ORIGINAL DIRECT

RECORDS CONTROL

C. Zarkow

Cleared: Mr. Dubey

JAN - 8 1973

Mr. N. Falzon, Assistant Director-in-charge of
Co-ordination of Operations, N.D.T. Division

4 January 1973

Mr. G. Grosford, Director
Office for Science & Technology

TE 210(1)UNIDO

Mr. S. Vassiliou, Assistant Director-in-charge
Development Planning Advisory Services, CEPT

Bahgat El-Tawil, Deputy Director
for Planning and Evaluation, OTC

ARAB REPUBLIC OF EGYPT: Assistance in biological treatment of fuel oil

.....

Please find attached a copy of a Project Data Sheet
which was composed by UNIDO on a request made by the Arab Republic
of Egypt for assistance in biological treatment of fuel oil.

Should you wish to submit comments on this request, we
would appreciate receiving them on or before 19 January.