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Folder Title: UNDP - INT/83/005 - Energy Sector Management Assistance Programme [ESMAP] - 1984 / 1986 Correspondence - Volume 2

Folder ID: 30189792

Series: Operational support and ESMAP project management

Dates: 11/30/1984 - 05/30/1985

Fonds: Records of the Energy Development Sector

ISAD Reference Code: WB IBRD/IDA ENGY-03

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THE WORLD BANK

Washington, D.C.

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The World Bank

1818 H Street NW

Washington DC 20433

Telephone: 202-473-1000



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UNDP -INT/83/005

1984/86

VOL. 2



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Archives



30189792

R1990-009 Other #: 16

14481B

UNDP - INT/83/005 - Energy Sector Management Assistance Programme [ESMAP] -
Correspondence - 1984 / 1986 - Volume 2

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CLOSE - OUT SHEET

This file is closed as of May 30, 1985.

For further correspondence, please see Vol. 3.

RECORDS MANAGEMENT SECTION

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1 OF 1

OFFICIAL DEPT/DIV
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END
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TEXT

THE MANAGER, TRAVELODGE, SUVA, FIJI. FOR WORLD BANK GUEST MR. ZIA
MIAN. RE PETROLEUM SUPPLY STUDY. QUOTING BELOW TELEX RECEIVED
FROM JOHN DUNCAN, DEPARTMENT OF MINERALS AND ENERGY, PORT MORESBY,
PAPUA NEW GUINEA. QUOTE FURTHER YOUR PROPOSED TIMING OF PETROLEUM
SUPPLY STUDY MISSION. 1. JUNE 10 IS A PUBLIC HOLIDAY IN PAPUA
NEW GUINEA. IF YOU WISH TO HAVE FOUR DAYS WOULD SUGGEST YOU DELAY
DEPARTURE FROM PORT MORESBY TO FRIDAY 14 JUNE. THERE IS A FLIGHT
TO AUSTRALIA THAT AFTERNOON. 2. TWO OF THE THREE OIL COMPANIES
HAVE THEIR OFFICES IN LAE WHICH IS A ONE HOUR FLIGHT FROM PORT
MORESBY. CAN ARRANGE A DAY VISIT IF YOU WISH. RETURN AIRFARE
IN THE ORDER OF USD 140. 3. TENTATIVE TIMETABLE FOR VISIT:
DAY 1 COLON INTRODUCTIONS SEMICOLON DISCUSSION OF MISSION
OBJECTIVES/SCOPE ETC. SEMICOLON AGREEMENT ON AGENDA SEMICOLON
DESCRIPTION OF PNG SUPPLY SYSTEM ETC. SEMICOLON DATA REQUIREMENTS
ETC. DAY 2 COLON VISIT LAE. DAY 3 COLON PORT MORESBY MEETINGS
COLON OIL INDUSTRY AND OTHERS AS REQUIRED. DAY 4 COLON WRAP UP
WITH GOVERNMENT OFFICIALS DEPARTURE. 4. YOUR ADVICE IN ABOVE
APPRECIATED SO MEETINGS CAN BE FIXED. REGARDS UNQUOTE.
MR. DUNCAN'S TELEX NUMBER IS WABPRO NE22211. REGARDS, MASOOD
AHMED, DEPUTY CHIEF, ENERGY ASSESSMENTS DIVISION, WORLD BANK.

PINK AREA TO BE LEFT BLANK AT ALL TIMES

INFORMATION BELOW NOT TO BE TRANSMITTED

CLASS OF SERVICE:	TELEX	792	TELEX NO.:	22248	DATE:	5/30/85	
SUBJECT:	ESMAP: South Pacific-Pet. Study			DRAFTED BY:	aaf	EXTENSION:	73996
CLEARANCES AND COPY DISTRIBUTION:				AUTHORIZED BY (Name and Signature): Masood Ahmed, Deputy Chief, EGYEA			
				DEPARTMENT: Energy			
				SECTION BELOW FOR USE OF CABLE SECTION			
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WORLD BANK OUTGOING MESSAGE FORM Cable, Telex
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TEXT

MR. PATRICK NOEL, GENERAL MANAGER, CENTRAL BANK OF VANUATU,
PORT VILLA, VANUATU. DUE TO FLIGHT UNCERTAINTIES I HAVE ASKED
MR. ZIA MIAN TO CONTACT YOU DIRECTLY. REGARDS, MASOOD AHMED,
DEPUTY DIVISION CHIEF, ENERGY ASSESSMENTS DIVISION, WORLD BANK.

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CLASS OF SERVICE:	TELEX	TELEX NO. 718-1049 VATUBK NH	DATE:	5/24/85
SUBJECT:	ESMAP: South Pacific		DRAFTED BY:	MAhmed:aaf
			EXTENSION:	73996
CLEARANCES AND COPY DISTRIBUTION:		AUTHORIZED BY (Name and Signature):		
cc: Mr. Ngandu (AEASP)		Masood Ahmed, Deputy Chief, EGYEA		
		DEPARTMENT:		
		Energy		
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TEXT

22

TO : MR. CLIFF HON, CALTEX, SINGAPORE. RE: SOUTH PACIFIC
PETROLEUM SUPPLY MISSION. (AAA) FURTHER TO YOUR TELEPHONE
CONVERSATION WITH MR. RIVERA ON MAY 24, I WOULD LIKE TO CONFIRM
THE BANK'S STAFF MEETING IN SINGAPORE WITH MESSRS. PORGES AND
THOMPSON ON JUNE 19 AT 2 P.M. BANK MISSION COMPRISED OF MESSRS.
ZIA MIAN (MISSION LEADER), V. MEIKLE AND S. RIVERA WILL BE
ARRIVING ON JUNE 18 AND STAYING AT HYATT REGENCY HOTEL. THANKS
AND REGARDS. MASOOD AHMED, ACTING DIVISION CHIEF, ENERGY
ASSESSMENTS DIVISION, ENERGY DEPARTMENT, WORLD BANK.

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CLASS OF SERVICE: TELEX

TELEX NO.:

RE 3505T

35540

DATE:

05/24/85

SUBJECT:

ESMAP: Pacific Petroleum Supply Stdy.

DRAFTED BY:

SRivera:jmm.ap

EXTENSION:

74546

CLEARANCES AND COPY DISTRIBUTION:

cc: Messrs. Daffern, Vonck,
Oduolowu, Aleem (EGY)

AUTHORIZED BY (Name and Signature):

Masood Ahmed, Dep. Div. Chief, EGYEA

DEPARTMENT:

ENERGY

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AGGIE GREYS HOTEL, APIA, WESTERN SAMOA. FOR WORLD BANK GUEST
MR. ZIA MIAN. GOVERNMENT OF VANUATU ANXIOUS TO KNOW WHEN YOU
AND YOUR MISSION WILL ARRIVE IN PORT VILLA. GRATEFUL IF YOU
COULD TELEX DETAILS OF YOUR FLIGHT AND ARRIVAL TIME TO MR. PATRICK
NOEL AT THE STATE BANK OF VANUATU. HOPE YOUR CHARTERED PLANE
WORKED OUT ALRIGHT. REGARDS, MASOOD AHMED, DEPUTY CHIEF, ENERGY
ASSESSMENTS DIVISION, WORLD BANK.

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CLASS OF SERVICE: TELEX

TELEX NO.:

793-257

DATE: 5-23-85

SUBJECT:

ESMAP: South Pacific

DRAFTED BY:

MAhmed:aaf

EXTENSION:

73996

CLEARANCES AND COPY DISTRIBUTION:

cc: Ngandu (AEASP)

AUTHORIZED BY (Name and Signature)

Masood Ahmed, Deputy Chief, EGYEA

DEPARTMENT:

Energy

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LBR - Energy

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cc F338

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EGYEA

BOOK OF TWO

MR. EMANUEL O. GARDINER

937-44374

MINISTER OF PLANNING AND ECONOMIC AFFAIRS

MONROVIA, LIBERIA

MR. SAMUEL BURNETTE, MANAGING DIRECTOR

LIBERIA ELECTRICITY CORPORATION

P. O. BOX 165

MONROVIA, LIBERIA

TELEX 4288/4310

937-44288

END
OF
TEXT

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CLASS OF SERVICE

TELEX NO.:

DATE

5/21/85

SUBJECT:

DRAFTED BY:

EXTENSION:

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ATT: MR. EMANUEL O. GARDINER, MINISTER OF PLANNING AND
ECONOMIC AFFAIRS, MONROVIA, LIBERIA. WITH REFERENCE TO THE
POWER EFFICIENCY AUDIT WE AGREED TO PERFORM, AT YOUR REQUEST,
THROUGH THE ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM
(ESMAP) WE ARE PLEASED TO INFORM YOU THAT WE HAVE SELECTED A
TEAM OF STAFF AND CONSULTANTS. THE TEAM COMPRISES A. GULSTONE
(POWER ENGINEER, MISSION LEADER), M. BACHRACH (ECONOMIST, TEAM
LEADER); A. BANKS (POWER ENGINEER, CONSULTANT); W. PACHECO
(POWER ENGINEER, CONSULTANT), K. KIMSTRA (POWER ENGINEER,
CONSULTANT) AND D. ROBINSON (FINANCIAL ANALYST, CONSULTANT).
MR. ROBINSON WILL EXAMINE THE METERING, BILLING AND COLLECTION
SYSTEM AND PRESENT A PROGRAM FOR THE REDUCTION OF NON-
TECHNICAL LOSSES. MR. PACHECO WILL REVIEW THE SIZE AND
LOCATION OF TECHNICAL LOSSES IN THE SYSTEM AND PROPOSE A
PROJECT-ORIENTED PROGRAM FOR THEIR REDUCTION. MESSRS. BANKS
AND KIMSTRA WILL ANALYZE THE SCOPE FOR REHABILITATION WORK AND
IMPROVEMENTS IN EFFICIENCY AND AVAILABILITY OF THERMAL
PLANTS. MESSRS. GULSTONE AND BACHRACH WILL SUPERVISE THE WORK

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TEXT

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CLASS OF SERVICE: **TELEX**

TELEX NO.:

DATE: **5/21/85**

SUBJECT:
Liberia: Mission Team

DRAFTED BY:
MBACHRACH:pas

EXTENSION:
72611

CLEARANCES AND COPY DISTRIBUTION:
cc & cleared with: Francois Bauer
(WAPEG)
David Reese
(WA1DB)
cc: Robin Bates (EGYEA)

AUTHORIZED BY (Name and Signature)
Masood Ahmed Dep. Chief, EGYEA

DEPARTMENT:
ENERGY

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AND WILL PREPARE A PRELIMINARY LEAST COST EXPANSION PLAN TO
EVALUATE THE FEASIBILITY OF REHABILITATING THE THERMAL POWER
PLANTS AND TO DEFINE FUTURE INVESTMENT REQUIREMENTS IN THE
POWER SECTOR. WE PROPOSE TO START WORK IN MONROVIA ON OR
ABOUT JUNE 10, 1985, FOR A DURATION OF THREE WEEKS. WE WILL
REQUIRE THE SUPPORT OF THE MANAGEMENT AND OPERATING STAFF OF
THE LIBERIA POWER CORPORATION. PLEASE ADVISE IF A MISSION AT
THIS TIME IS CONVENIENT FOR YOU. BEST REGARDS, MASOOD AHMED
(DEPUTY DIVISION CHIEF, EGYEA)

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AGGIE GREYS HOTEL, APIA, WESTERN SAMOA. FOR WORLD BANK GUEST
MR. ZIA MIAN. MANY THANKS FOR YOUR TELEX OF MAY 18. RE BANK
MISSION VISIT TO ONE OF THE SMALLER ISLANDS. PLEASE NOTE THAT
I HAVE AGREED WITH SPEC DIRECTOR THAT ONE MEMBER BANK MISSION
(PROBABLY VERNON) WOULD VISIT ONE ADDITIONAL ISLAND WITH SPEC
MISSION. IF YOU PROPOSE TO CHANGE THIS ARRANGEMENT, CONTACT ME
FIRST. REGARDS, MASOOD AHMED, DEPUTY CHIEF, ENERGY ASSESSMENTS
DIVISION, WORLD BANK.

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CLASS OF SERVICE:	TELEX	TELEX NO.:	DATE:	20/5/85		
SUBJECT:	ESMAP: South Pacific		DRAFTED BY:	MAHmed:aaf	EXTENSION:	73996
CLEARANCES AND COPY DISTRIBUTION:			AUTHORIZED BY (Name and Signature):			
			Masood Ahmed, Deputy Chief, EGYEA			
			DEPARTMENT:			
			Energy			
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TELEX

AGRIC APPEAL HOTEL, 1985, WESTERN CANAL, THE WORLD BANK, EGYPT
MR. THE MAN, MANY THANKS FOR YOUR LETTER MAY 1985, AS BANK
MISSION VISIT TO ONE OF THE SMALLER ISLANDS, PLEASE ADVISE ME
I HAVE AGREED WITH SPEC DIRECTOR THAT ONE MEMBER TAKE HISTORY
(PROBABLY VERNON) WILL VISIT THE ADDITIONAL ISLANDS WITH SPEC
MISSION, IF YOU PROPOSE TO CHANGE THIS ARRANGEMENT, CONTACT ME
FIRST, REGARDING, KASOOD AMER, BENTY CHIEF, EGYPT 1985-1986
DIVISION, WORLD BANK.

CABLE SECTION

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ATTENTION ZIA MIAN, THE INTERNATIONAL DATELINE HOTEL, TONGATAPU,
TONGA. WORLD BANK GUEST. RE: RIVERA'S ITINERARY. (AAA) DUE TO
FLIGHT ITINERARIES AND PREPARATION OF APPOINTMENTS WITH OIL
COMPANIES IN AUSTRALIA AND SINGAPORE, RIVERA WILL BE JOINING YOU
IN PORT VILA ON MAY 26, 1985. BEST REGARDS, MASOOD AHMED, DEPUTY
DIVISION CHIEF, ENERGY ASSESSMENTS DIVISION, ENERGY DEPARTMENT,
WORLD BANK

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CLASS OF SERVICE: Telex

TELEX NO. 765-66223

DATE: 05/17/85

SUBJECT:

ESMAP: South Pacific Pet. Study

DRAFTED BY:

SRivera:jmm

EXTENSION:

74546

CLEARANCES AND COPY DISTRIBUTION:

AUTHORIZED BY (Name and Signature):

Masood Ahmed, Dep. Division Chief, EGYEA

DEPARTMENT:

ENERGY

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RABAT HILTON, RABAT, MOROCCO. FOR WORLD BANK STAFF MEMBER
RON BRIGISH. RE MOROCCO ENERGY SECTOR STATUS REPORT. (AAA) WOULD
VERY MUCH APPRECIATE YOUR ASSISTANCE IN OBTAINING 1984 DATA ON
COAL FROM MINISTRY OF ENERGY (MR. BOUHAOULI) FOR THE FOLLOWING:
PRODUCTION, IMPORTS, AND TOTAL SUPPLY SEMICOLON AND FOR PRICES
OF IMPORTED COAL IN DIRHAMS. (BBB) WONDER IF MINISTRY OF ENERGY
HAS COME UP YET WITH ESTIMATES OF NET ENERGY CONSUMPTION BY
SECTOR BY MAJOR FUEL FOR 1984. MANY THANKS. NAIEM SHERBINY,
ENERGY ASSESSMENTS, WORLD BANK.

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CLASS OF SERVICE:	TELEX	TELEX NO.	933-31913/32026	DATE:	5/16/85
SUBJECT:	ESMAP- Morocco EASR		DRAFTED BY:	NSherbiny:aaf	
CLEARANCES AND COPY DISTRIBUTION:			EXTENSION:		
			74124		
			AUTHORIZED BY (Name and Signature): Masood Ahmed, Deputy Chief, EGYEA		
			DEPARTMENT:		
			Energy		
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OFFICE MEMORANDUM

INT/83/005✓

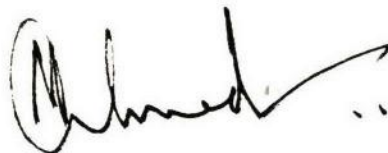
SE-Energy Sector

cc F-338

DATE: May 15, 1985

TO: Distribution

FROM: Masood Ahmed, Deputy Chief, EGYEA



EXT.: 73996

SUBJECT: ESMAP : Senegal Assistance for Energy Sector Donors Meeting

ma
Please find attached, supplementary comments and observations on the woodfuels subsector provided to ESMAP by G. Madon who assisted the Government of Senegal in preparing the woodfuels subsector document that has already been sent to you for review.

Distribution:

Messrs.: Landell-mills, Benjamin (WA2DB)
Bauer, Menezes (WAPEG)
Gorse (WAPAC)
Floor (EGYEA)
Kaps (Res. Rep., Dakar, Senegal)

JShanberge:ttt

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BOOK OF THREE:

1. MR. A. METE

THIRD SECRETARY

MINISTRY OF LANDS, ENERGY AND WATER SUPPLY

PORT VILA

VANUATU

718-1040 VANGOV NH

2. THE HONORABLE DONALD KALPOKAS

MINISTER OF LANDS, ENERGY AND WATER SUPPLY

(LT)

PORT VILA

VANUATA

3. MR. KALPOKOR KALSAKAU

MINISTRY OF FINANCE

PORT VILA

VANUATA

TELEX NO. 718-1049

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CLASS OF SERVICE:

TELEX NO.:

DATE:

5/15

SUBJECT:

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MR. A. METE, THIRD SECRETARY, MINISTRY OF LANDS, ENERGY AND RURAL
WATER SUPPLY, PORT VILA, VANUATU. COPIES TO MR. DONALD KALPOKAS,
MINISTER OF LANDS, ENERGY AND RURAL WATER SUPPLY, MR. KALPOKOR
KALSAKAW, MINISTER OF FINANCE, PORT VILA, VANUATU. RE: PROPOSED
MISSION TO DISCUSS ENERGY ASSESSMENT REPORT. MANY THANKS FOR
YOUR TELEX DATED MAY 14. MISSION HAS ALREADY LEFT FOR SOUTH
PACIFIC REGION AND WILL BE VISITING SEVERAL ISLANDS BESIDES
VANUATU. DUE TO DIFFICULT LOGISTICS CANNOT RESCHEDULE MISSION
ITINERARY TO VISIT VANUATU EARLIER. ALSO NOT POSSIBLE TO PLAN
SECOND TRIP IN JUNE. THEREFORE, UNDER THE CIRCUMSTANCES, WOULD
APPRECIATE IF YOU COULD MEET WITH THE MISSION AS ORIGINALLY
PROPOSED. BEST REGARDS, ROBIN BATES, ACTING DIVISION CHIEF,
ENERGY ASSESSMENTS DIVISION, ENERGY DEPARTMENT, WORLD BANK

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CLASS OF SERVICE: TELEX

TELEX NO.: BOOK OF THREE

DATE: 05/15/85

SUBJECT:
ESMAP: Petroleum Supply StudyDRAFTED BY:
SRivera:jmmEXTENSION:
74546CLEARANCES AND COPY DISTRIBUTION:
cc: Mr. Dutt, (AEASP)AUTHORIZED BY (Name and Signature):
Robin Bates, Acting Div. Chief, EGYEADEPARTMENT:
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ATTENTION MR. MAHE TUPOUNIVA, DIRECTOR, SPEC, SUVA, FIJI. RE:
ESMAP PETROLEUM SUPPLY STUDY. (AAA) THIS IS TO CONFIRM OUR
TELEPHONE CONVERSATION OF YESTERDAY WHEREBY WE AGREED THAT AT
YOUR REQUEST ONE OF THE MEMBERS OF THE BANK'S MISSION (MR. V.
MEIKLE) WOULD JOIN YOUR STAFF TO VISIT ONE OF THE SMALLER ISLANDS
NOT PREVIOUSLY SCHEDULED TO BE VISITED BY THE BANK TEAM. WE
FURTHER AGREED THAT THE CHOICE OF THE PARTICULAR ISLAND AND THE
TIME OF THE VISIT WOULD BE DETERMINED BY MR. ZIA MIAN, MISSION
LEADER, IN CONSULTATION WITH YOUR STAFF WHO WILL JOIN THE MISSION
IN TONGA. (BBB) AS I MENTIONED TO YOU, WE ATTACH A GREAT DEAL OF
IMPORTANCE TO THE INVOLVEMENT OF SPEC IN CARRYING OUT THIS TASK
AND LOOK FORWARD TO ITS EFFECTIVE AND SPEEDY IMPLEMENTATION.
BEST REGARDS, MASOOD AHMED, DEPUTY DIVISION CHIEF, ENERGY
ASSESSMENTS DIVISION, ENERGY DEPARTMENT, WORLD BANK

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CLASS OF SERVICE: TELEX

792- 2229 FJ

DATE: 05/15/85

SUBJECT:
ESMAP: PETROLEUM SUPPLY STUDYDRAFTED BY:
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74546CLEARANCES AND COPY DISTRIBUTION:
cc: Messrs. Dutt, (AEASP);
Bates, (EGYEA);
Ms. Farmer, (AEASP)AUTHORIZED BY (Name and Signature)
Masood Ahmed, Dep. Division Chief, EGYEADEPARTMENT:
EnergySECTION BELOW FOR USE OF CABLE SECTION
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MR. DRODROLAGI, SOUTH PACIFIC BUREAU FOR ECONOMIC COOPERATION,
SUVA, FIJI. RE: PETROLEUM SUPPLY STUDY MISSION. (AAA) FURTHER
TO OUR TELEPHONE CONVERSATION AND YOUR TELEX OF MAY 6, I WOULD
LIKE TO CONFIRM THE MAIN POINTS AGREED AT MEETING IN HAWAII: A)
THE COUNTRIES TO BE VISITED BY BANK'S MISSION WILL BE LIMITED TO
THE SIX PREVIOUSLY SELECTED, B) WE AGREED THAT SPEC'S STAFF
VISITED THE OTHER ISLAND COUNTRIES NOT TO BE VISITED BY THE BANK
MISSION, C) THE RESULTS FOR THESE OTHER COUNTRIES WILL BE
INCORPORATED INTO THE BANK STUDY AND MODEL AS AVAILABLE. (BBB)
WE LOOK FORWARD TO THE PARTICIPATION OF YOURSELF AND MR. TOROK OF
ESCAP TO JOIN AND WORK WITH THE BANK'S MISSION AND VISIT OTHER
COUNTRY MEMBERS OF SPEC. (CCC) DUE TO FLIGHT CANCELLATIONS ON
ORIGINAL MISSION ITINERARY, WE HAVE HAD TO RESCHEDULE MISSION AS
FOLLOWS: TONGA: MAY 16 - MAY 21, WESTERN SAMOA: MAY 20 - MAY 23,
VANUATU: MAY 25 - MAY 29, FIJI: JUNE 1 - JUNE 6, SOLOMON ISLANDS:
JUNE 6 - JUNE 8, PAPUA NEW GUINEA: JUNE 8 - JUNE 13. WOULD BE
APPRECIATIVE IF SPEC COULD CONFIRM THE SUITABILITY OF THE
PROPOSED ITINERARY WITH OFFICIALS OF THE COUNTRIES INVOLVED.
(DDD) WE REGRET ANY INCONVENIENCE CAUSED AND WOULD APPRECIATE IF
YOU COULD CONFIRM WHERE BOTH OF YOU WILL BE JOINING THE

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CLASS OF SERVICE:

TELEX NO.:

792-2228

DATE:

5/9

SUBJECT:

DRAFTED BY:

EXTENSION:

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AUTHORIZED BY (Name and Signature):

DEPARTMENT:

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MISSION. THANKS AND REGARDS, MASOOD AHMED, DEPUTY CHIEF, ENERGY
ASSESSMENTS DIVISION, ENERGY DEPARTMENT, WORLD BANK

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CLASS OF SERVICE: TELEX

TELEX NO.

2228 UNDEVPRO FJ

DATE

05/09/85

SUBJECT:

ESMAP: SOUTH PACIFIC STUDY

DRAFTED BY:

SRivera:jmm

EXTENSION:

74546

CLEARANCES AND COPY DISTRIBUTION:

Cleared ith & cc: Ms. N. Farmer,
(AEASP)

AUTHORIZED BY (Name and Signature)

Masood Ahmed, Deputy Division Chief, EGYEA

DEPARTMENT

Energy

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THE WORLD BANK / INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

INT/83/005 ✓ F 336
SE-Energy Sector

cc F-338

DATE: May 9, 1985

TO: Distribution

FROM: Masood Ahmed, Deputy Chief, EGYEA

Mahmed

SUBJECT: ESMAP: Senegal - Assistance for Energy Sector Donors Meeting

1. As you know, ESMAP is assisting the Government of Senegal in preparing for the above meeting by providing the services of two consultants (M. Heitner and G. Madon) to help prepare the Government's submission to donors. These consultants have now completed their drafts in Dakar with the close collaboration of MDIA staff and notably Rocar Thiam who has made a major contribution to the work. The drafts were reviewed in the field by Willem Floor of this division as well as other Bank staff who were visiting for operational purposes. They are now being reviewed within the Senegalese Government which will submit the documents formally to the Bank and other donors after finalization. However, in view of the Bank's close involvement in this activity the Government has agreed to send us the working drafts prepared by the consultants. Copies of these drafts have now been received and circulated to you. Also included in the package is a letter from Marc Heitner providing supplementary comments and observations in a number of areas.

2. The next step in the processing of this activity are two fold. First, we intend to prepare a brief Activity Completion Report which will be issued under ESMAP and which will record the scope and nature of the assistance provided to the GOS. And second, the Bank can send preliminary comments to the GOS on the draft reports so that these views can be taken into account by the Government in finalizing its submission. Regarding the former we intend to circulate a draft of the ESMAP Activity Completion Report for internal review and clearance by early June. Regarding the latter, Mr. E. Benjamin (P-303, ext. 7-2596) has agreed to act as a focal point for coordinating Bank staff comments on the draft and for presenting a consolidated set of comments to the Government. In view of the timetable set out by GOS for the donors meeting, it would be useful if your preliminary comments could be given to Mr. Benjamin by May 16.

Distribution:

Messrs. Landell-Mills, Benjamin (WA2DB); Bauer, Menezes (WAPEG);
Mulckhuyse (IND); Barbu, Farhandi (EGYD2)

cc for info:

Messrs. Serageldin, Gorjestani (WA2IR);
Bouhaouala, Chaparro, Blanchi (WAPDR); Gamba (IND);
Hume, Iskander, Saunders, Bates, Floor (EGY)
Kaps, Res. Rep. Senegal.

Ms. Shanberge (EGYEA)

MAhmed:aaf.

OFFICE MEMORANDUM

DATE: May 8, 1985

TO: EGYEA Staff

FROM: Masood Ahmed, Acting Chief, EGYEA

SUBJECT: Proposals for Cofinanced ESMAP Activities

1. The next Quarterly Information Brief is due to be mailed on June 1, 1985. This will include, as usual, a brief description of half a dozen or so feasibility studies or other projects which we would like to carry out as cofinanced ESMAP activities because their cost exceeds \$100,000. As part of the discussions on the Annual Report which hopefully will finally emerge from Print Shop next week and be sent to donors straight away, it will also be useful to have a portfolio of specific project proposals for which cofinancing can be sought. Finally, such a portfolio is also useful in connection with developing the FY86 work program and resource requirements for ESMAP.

2. For these reasons, I would appreciate it if you could let me have your proposals for potential cofinanced ESMAP activities in the countries on which you are working. In the first instance, there is no need for a detailed description or justification of the proposed projects -- a couple of sentences conveying the gist of the proposed study will be ample. But, please do provide a cost estimate (no matter how tentative) and some indication of how advanced the preparation of the proposal is (i.e. ranging from "just thought of the concept" to "could start implementation next week if funds were available").

3. Once I have received your proposals we can go through them and establish priorities and allocate resources for carrying out the necessary preparatory work for those projects where this appears warranted. To meet the QIB deadline, I would like to have your first round of proposals by May 17. Please let me know if this is not feasible for any of you.

4. Thanks.

MAhmed:aaf

The World Bank

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT
INTERNATIONAL DEVELOPMENT ASSOCIATION

1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

(202) 477-1234
Cable Address: INTBAFRAD
Cable Address: INDEVAS

May 6, 1985

Mr. E. King
Business Development Executive
Taylor Woodrow Management &
Engineering Ltd.
Alpha House, Westmount Centre
Delamere Road, Hayes
Middlesex UB4 0HD
England

Dear Mr. King:

Thank you for your letter of February 22, 1985. We hope that the following will answer the questions raised by you.

The reports mentioned in our Quarterly Information Brief are available in the U.K. Department of Trade (contact - Ms. Jane Green). Alternately, you will be able to obtain these reports through the Office of the U.K. Executive Director at the World Bank in Washington, D.C.

Cofinancing opportunities under the Energy Sector Management Assistance Program (ESMAP) are listed under Part IV of the Quarterly Information Brief. We suggest you review this list and determine which specific projects you are interested in. You may then wish to identify prospective U.K. donor sources who would contact us and advise us of their area of interest. We are enclosing, for your information, the latest version of the Quarterly Information Brief, dated March 1, 1985.

We are pleased to learn that you have in your organization professional staff whose expertise could be of benefit to our program and that you would be prepared to release these staff for short-term consultancy assignments under our program. We would appreciate it if you would send us the CVs of selected staff who you feel have the required expertise in our area of operation. In this context, you may again wish to refer to our Quarterly Information Brief which outlines our ongoing and proposed activities.

If you have any further questions, please do not hesitate to contact us.

Sincerely yours,



Masood Ahmed
Deputy Chief
Energy Assessment Division
Energy Department

Enclosure

OFFICE MEMORANDUM

WAIC
INIT/83/005

DATE: May 3, 1985

TO: Mr. Masood Ahmed

FROM: Willem Floor

SUBJECT: ESMAP: LIBERIA - Back-to-office report

1. In accordance with my TOR I arrived on April 16, 1985 in Monrovia, Liberia to clear the green cover document "Required Technical Assistance Projects" with the Government as well as to seek co-financing for the charcoal export study.

2. The discussions with Mr. Neufville, Assistant-Minister, to clear the green cover document were positive and businesslike. He only had a few editorial comments, and cleared the report for blue cover publication. He also said that his Energy Program for Liberia, which essentially follows the substance of the Energy Assessment Report, had been agreed to by the Minister of Planning (see annex).

3. My discussions with USAID, which had intimated an interest in co-financing the charcoal export study, were disappointing. Although the deputy-director and his staff showed interest in being involved with this study he claimed that he had no funds available to co-finance the study. He referred me back to Washington, where he asserted the Africa Bureau should make the required additional funds available to him.

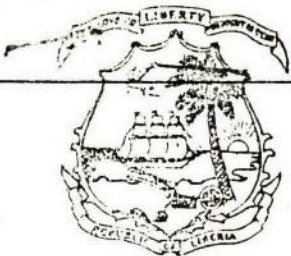
4. I also discussed possible co-financing with Mr. Sonderberg of the EC delegation. He was very much interested in the project and believed that it fitted EC objectives perfectly. However, project clearance will last at least one year, and will also require requests from the countries which will be involved in the study. Another possibility would be co-financing by GTZ(GATE) which also showed some interest. However, GTZ did not think it would be possible for them to finance the balance of \$180,000, and preferred to finance part of the project. Because the project has been formulated in such a way that its three components can be implemented separately, I suggest that ESMAP goes ahead and finances the export marketing study of \$100,000. At the same time we should continue to try and interest GTZ or even USAID to pick up one of the other components.

Attachment

cc: Messrs. Bauer, Davis, Contreras, Menezes (WAP);
Reese, Kendall, Alibaruho (WAI);
Hume, Iskander, Bates (EGY);
Ms. Leach (WAP);

cc: EGYEA Higher Level Staff

WF:mac



REPUBLIC OF LIBERIA
MINISTRY OF PLANNING AND ECONOMIC AFFAIRS
P. O. BOX 9016
MONROVIA

OFFICE OF THE DEPUTY MINISTER

DMPEA-102/0-1/'85

April 1, 1985

Mr. Secretary:

In response to your letter of January 17, 1985, Ref. No.5/NEC/01/'85 requesting our comments and position on the draft copy of the National Energy Plan, please find enclosed our comments and position.

We want to thank you for precisely identifying our energy problems, needs and proposed solutions.

Please accept the assurance of my highest consideration.

Kind regards,

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'E. E. Taylor'.

Elijah E. Taylor
DEPUTY MINISTER FOR PLANNING AND POLICY

The Secretary
National Energy Committee
Ministry of Lands, Mines & Energy
Monrovia, Liberia

MPEA COMMENTS ON THE NATIONAL ENERGY PLAN

The energy document as presented is consistent, with our general agreement on the energy supply issue. It outlines the Liberia energy situation and set realistic objectives drawn up from that scenario are all consistent to our present energy need, thus fulfilling the recommendation of the World Bank structural adjustment proposal on the energy sector. Besides its intended plan of action as they relate to energy uses, energy supply and energy institutions are all appropriate.

Under the recommendation category, all recommendations below as they relate to LEC and LPRC/LPSC are thereby endorsed:

A. ENERGY SUPPLY

1. Electricity: Monrovia Electric Power Grid

The Government of Liberia should:

(Implementing Agency)

- LEC Rehabilitate and expand the capacity of the Mt. Coffee hydro-electric plant.
 - LEC Seek funds to construct a water storage reservoir upstream from Mt. Coffee to increase the dry season hydroelectric output.
 - LEC Upgrade the power exchange capability between the Monrovia grid and the Bong Mining Company and investigate exchange agreements with other private generating stations within the grid.
 - LEC Acquire additional slow speed diesel generators to replace the gas turbines until adequate hydroelectric power is available on a year-round basis.
 - LEC Acquire professional support under contract for a limited period to assist LEC in its institutional and manpower development, with particular attention to electricity planning, distribution, maintenance and marketing (i.e. metering, billing and collection activities).
- EPA/MPEA/LEC: Encourage the creation of locally owned and managed public power cooperatives to assume responsibility for

electricity supply in rural areas.

LEC Encourage and facilitate power exchange agreements between private and public sector producers.

2. Liquid Fuels

The Government of Liberia should:

(Implementing Agency)

LPSC Minimize the cost to the nation for petroleum, by importing refined products to meet national needs.

GOL/LPRC/LPSC Convert LPRC into a Liberian Petroleum Supply Company (LPSC) and acquire professional support under contract for a limited period to assist LPSC in its institutional and manpower development, with particular attention to product procurement.

LPSC Enhance GOL revenues by selling the physical assets of LPRC related to refinery operation.

LPSC Expand the petroleum product handling and storage facilities at the Freeport of Monrovia.

MLME Pursue the exploration for and production of oil and natural gas resources in Liberia.

LPSC If oil is found, sell the crude oil on the World market and continue to import refined products (unless a private corporation chooses to set up and operate a refinery in Liberia).

Also we are very comfortable with recommendations under all other categories such as:

1. Electricity supply for rural areas
2. Energy from wood
3. Other energy option
4. Energy efficiency improvements
5. Efficient allocation of resources
6. Effective energy management

But our major reservation has to do with the recommendation under Appropriate Energy Planning and the establishment of the Energy Planning Agency.

For easy reference purposes these recommendations are listed.

3. Appropriate Energy Planning

The Government of Liberia should:

(Implementing Agency)

- | | |
|---------|--|
| GOL/NEC | Designate a specific office or agency with its own budget and professional staff to have principal responsibility for maintaining a national energy database developing energy plans and policy recommendations as appropriate and overseeing energy project implementation. |
| GOL/NEC | Connect this office or agency with national policy making by having it serve as the advisory arm on energy matters of a GOL body with major responsibilities for the national economy, such as the Economic and Financial Management Committee (EMFC). |
| GOL/NEC | Assign this office or agency specific duties with regard to the implementation of this LNEP, including coordinating actions involving information services, technical assistance, and resource/technology assessments. |
| NEC/EPA | Continue the National Energy Committee as a forum for the interagency discussion on energy issues and policies. |

Having carefully studied the document, it is our view that most of the functions/responsibilities of the proposed EPA are very similar to the functions and responsibilities of ^{the} utilities section of this Ministry. Our position with regards to the recommendations under Appropriate Energy Planning, is that the EPA be organized as a project rather than an extension of the organization of the Ministry of Lands and Mines. This move as seen by us is intended to help reduce the amount of duplication of functions in the energy sector and to centralize and consolidate energy planning in Liberia.

THE WORLD BANK INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

WAIC

DATE: May 3, 1985

TO: Mr. Masood Ahmed

FROM: Willem Floor

SUBJECT: ESMAP: NIGER/GERMANY - Improved Woodstoves Project
First Supervision Report

1. In accordance with my TOR I arrived in Niger on April 9, 1985 to supervise the improved stove project which had started on February 1, 1985. My findings are presented below.

2. The project has made a good start. The two German consultants, financed by GTZ, have established good contacts with both the Government and the two small organizations (AFP and CWS) which already had started with stove activities. These two organisations lack staff and funds to begin an awareness sensibilisation and publicity campaign and therefore were very wary of the ESMAP project, being afraid that they would be put out of business. These fears have now been dissolved and it has been agreed that AFP/CWS will concentrate on the training of artisans and the production of stoves in direct collaboration with the ESMAP project. They, in their turn, will leave the awareness and publicity activities to the ESMAP project. The latter project will, however, also be involved in training of artisans and production of stoves as a result of its technical support program (see below para. 6). Further, the AFP staff will be changed by September 1985 thus creating the possibility of a vacuum. Although the Government has been remiss in supplying office space and counterparts (see para 3 and 4) general cooperation and support from the Ministry of Mines and Industry is good. This also holds for ONERSOL, which recently acquired a new director (Mr. Wright). He is very much interested in collaborating with the ESMAP project and will make available a young staff member as of July 1985. The latter will be trained by the ESMAP short term consultant during the last part of this year. For the moment the project will make available technical literature to ONERSOL to acquaint them with the technical issues the project is dealing with.

3. Personnel. The current staff of the project consists of the two German consultants (Michael Gajo, project leader and Marion Fischer, in publicity/promotion coordinator in addition to one German sociologist, Ingrid Kossack) who has been hired locally (paid for by GTZ) to assist in the public awareness activities. In addition to the foreign staff there is one head-animatrice (Mme Idahou Saley) and three temporary, trained animatrices, who are 'on loan' from the ministry of Social Affairs. Furthermore, there are a driver, a watchman, and a magasinier. It was agreed with the project leader that he would submit a detailed proposal regarding staff needs in relation to the workload. (see para. 8 below). The Government had undertaken to provide counterparts, but these had not yet been provided. Mr. Adam, directeur de l'energie, promised me that

Mr. Ali, his assistant for renewable energy, would be one of the counterparts and would spend at least two days per week with Mr. Gajo. By the beginning of July 1985, a second counterpart will be made available (Mr. Babacar Idi), who is currently working in a briquetting project in Dosso. A letter reminding Mr. Adam of his commitment is attached for your approval.

4. Equipment. Although the Government has undertaken to provide office space it failed to do so. The project leader therefore took the initiative to rent a project house for a period of two years (monthly rent CFA 100,000 or about \$ 5,000 for 24 months). GTZ paid the rent for the first three months out of an amount of \$ 20,000 which it has made available to the project in addition to its contribution in kind (consultants). The project house is well situated in the midst of a populous city quarter, which gives it a high degree of visibility. I reminded the Government of its obligation to which Mr. Adam reacted that he had not been able to get clearance from the Ministry of Finance. He was, however, able to provide plenty of office space in the ONERSOL building which is situated on the outskirts of the city and therefore is not an appropriate location for the project house. I urged him to have the Government pay part of the rent. He promised to contact the Ministry of Finance once again. In view of Niger's financial situation, I do not think that the Government will be able to pay and therefore suggest that this small cost be borne by the project. Removal of the project to ONERSOL will have a dampening effect on the project's visibility in the Niamey community. The project manager also bought two project cars (Peugeot 504 and Peugeot 304 bachee) at tax-free rates. The funds were prefunded by GTZ. Although the project leader has acted in both the purchase of the cars and the renting of the project house without authorization of the Bank or UNDP, I think we should let things be as they are, the more so since I think the result in both cases is good and cost effective. I discussed this issue also with Mr. Tourigny, UNDP Deputy Res-Rep., who agreed with my conclusion. However, I made it clear to the project leader that, henceforth, all activities which have not been agreed upon in the work program will first have to be authorized by the Bank.

5. Activities undertaken so far have focussed on finding out what consumer attitudes, wishes, needs and constraints are. To that end, five quarters in each of the five districts have been randomly selected in order to acquire this information. During March 1985 some 300 so-called Mai Sauki stoves have been distributed among selected families to test consumer reactions. These were made available on a no satisfaction- no pay basis. The price of a stove is CFA 550 for a model 1 (i.e. pansize no. 1) which increases by CFA 100 for each larger pansize. After one month all stoves were bought by the consumers. It was found inter alia that, after sales, service is necessary and that the establishment of sales points in the city quarters is desirable. On the basis of the information collected, the project team will design its public awareness strategy and publicity campaign. Although the sample taken was not a very good one (it had been used before for such activities), the project staff will see to it that, for future surveying purposes, a more adequate sample will be selected. Apart from the consumers, the artisans were

also scrutinized during the initial project period. So far, some 35 artisans have been trained by AFP/CWS; they have a production capacity of 300 stoves per day. For the moment, no further action in this field is required. Further, it has been decided to use scrap metal for the time being. Supplies are sufficient to meet demand in Niamey so far, although there are indications that outside Niamey the situation is different. Therefore, it may be necessary to import sheet metal in the future, at which time both the Government and the project staff will submit suggestions for dealing with this situation. To that end, the project staff monitors the price and availability trends of scrap metal.

Contacts were also made with various institutes which may play a role in the publicity campaign. The television station is interested in making a program on improved stoves, while the 'Institute Pedagogique' which is charged with writing school books will devote space to this subject. The same institute will also organize visits to the project house, where project staff will give students from secondary schools a hands-on training in the use and advantages of the improved stoves.

Finally, in order to spread the message of the project the project leader had 'pagnes' made by the local textile mill, which have printed text and pictures of improved woodstoves. A first order of 500 pagnes, which are sold at cost-price, were purchased in one month. Local traders have also placed orders with the mill for the same pagne. A worked-out strategy for both the awareness and publicity campaign will be submitted by the project leader in his next quarterly report.

6. Short term consultant. During my mission, Mr. Paul Bussmann of the Woodburning Stove Group, which provides short term technical consultancy to the project, was also in Niamey. We discussed his workplan in view of project needs and technical options as outlined in the project document. We agreed that WSG will do the following:

- (a) analyze the effect on cooking efficiency and the potential for reducing the amount of metal needed to produce a stove, as well as to test the comparative advantage of having a small combustion chamber in the Mai Sauki stove. The report is to be submitted by June 1, 1985;
- (b) develop and test a chimneyed stove. A report is to be submitted by July 1, 1985; and
- (c) develop and test an 'institutional' stove, to be used by restaurants and roadside food sellers (especially for roasted meat). A report will be submitted by September 1, 1985.

During his presence in Niamey, Mr. Bussmann produced ten 'institutional' stoves to be tested under field conditions by some roadside food sellers, and he bought kitchen implements to be used for testing activities that he will undertake in the Netherlands. Finally, he acquainted himself with cooking habits and kitchen technology being used in Niamey.

7. Other activities to be undertaken by the project staff include the design of a questionnaire which will be used to monitor two groups, each of about 25 families, during the lifetime of the project. One group, which has been exposed to the project's activities, will be used to monitor the effect of the public awareness campaign. The other one, which will be formed by a group not yet approached by the project's staff, will be used to control the effect of the publicity campaign. In both cases, fuel consumption and other cooking efficiency-related activities will be measured.

8. Reporting will be done by the project leader on a quarterly basis. The report will discuss activities during the last three months, give detailed planning of activities in the next three months, and an overview (incl. bar chart) of planned activities in the remaining period. The report will also contain a budget for each future three month period as well as a balance of the remaining total budget. The first report will be submitted in the beginning of June 1985. In this first report attention will be given inter alia to:

- (a) staff needs (animatrices) in relation to the planned task ahead and the daily workload;
- (b) planning and execution of the publicity campaign;
- (c) progress report on the distribution and sale of stoves; and
- (d) progress report on the implementation of the longitudinal survey and other household surveying activities.

The report will be sent to GTZ and the Bank which, after agreement with GTZ, will send comments to the project leader as well as the go-ahead for releasing the report to the Government, UNDP, and the WSG.

Financial accounting will coincide with the quarterly reports and will consist of the vouchers from the Niamey project bank account, bills, notes, and a simple 'income and expenditure' overview.

9. On April 18, 1985 and in accordance with my TOR, I went to Frankfurt (GTZ) to inform GTZ, the co-financing agency, about the current state of affairs of the Niger project as well as to acquaint them with the administrative arrangements agreed upon with the project leader. GTZ appreciated the visit and information, and was in complete agreement with my findings and instructions to the project leader.

cc: Messrs. Bauer, Davis, Wilton, Menezes (WAP);
Hinkle, Sederlof, Oubouzar (WAI);
Hume, Iskander, Bates (EGY);
Gervais (Res. Rep., Niamey, Niger);
Ms. Leach (WAP);
EGYEA Higher Level Staff

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INDUSTRIA, GUINEA BISSAU. RE.: ASSISTENCIA TECNICA PARA O SECTOR
DA ENERGIA ELECTRICA. EN RELACAO DO ASSUNTO EM REFERENCIA, INFOR-
MAMOS V. EXA. ACERCA DE:

(AAA) AS FIRMAS PRELIMINARMENTE ESCOLHIDAS PARA FORNECER
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- (1) ACRES INTERNATIONAL (CANADIENSE)
- (2) AF-ELTEKNIK (SUECA)
- (3) BRITISH ELECTRICITY INTERNATIONAL (INGLESA)
- (4) PARTEX (PORTUGUESA)
- (5) PROMON (BRASILEIRA)
- (6) SKANDIA CONSULT (SUECA)
- (7) SWED POWER SUECA
- (8) TECHNINVEST (PORTUGUESA)

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(BBB) CRITERIOS DE SELECAAO:

(1) EXPERIENCIA DA FIRMA (20/100)

(2) AJUSTAMENTO DO PLANO DE TRABALHO PROPOSTO LOS TERMOS
DE REFERENCIA (20/100)

(3) EXPERIENCIA E QUALIFICACOES DO PESSOAL PROPOSTO (60/100)

(CCC) TENDO EM CONTA A IMPORTANCIA DO PONTO 3, ESTE E DESAGREGADO
DA SEGUINTE MANEIRA:

(A) EXPERIENCIA PROFISSIONAL (15/60)

(B) AJUSTAMENTO DAS PESSOAS PROPOSTAS AO PLANO DE TRABALHO
(15/60)(C) CONHECIMENTO DA LINGUA PORTUGUESA E EXPERIENCIA EN PAISES
SIMILARES A GUINE-BISSAU (30/60)

CASO TENHA COMENTARIOS A ESTE RESPEITO, MUITO AGRADECIAMOS V.
EXA. ENVIA-LOS O MAIS RAPIDAMENTE POSSIVEL. CORDIALMENTE, MASOOD
AHMED, CHEFE DE DIVISAO INTERINO, DIVISAO DE ASSUNTOS ENERGETICOS
DEPARTAMENTO DE ENERGIA.

END
OF
TEXT

PINK AREA TO BE LEFT BLANK AT ALL TIMES

INFORMATION BELOW NOT TO BE TRANSMITTED

CLASS OF SERVICE: telex

TELEX NO.: 260 MRNI

DATE: 05-03-85

SUBJECT:
GUINEA-BISSAUDRAFTED BY: *G. Sanchez*
G. Sanchez-Sierra:rpEXTENSION:
76960

CLEARANCES AND COPY DISTRIBUTION:

Cleared and cc: Mr. P. Gil

cc: Messrs. Mena, Coelho (WAP)

AUTHORIZED BY (Name and Signature):

M. Ahmed, Deputy Div. Chief, EGYEA

DEPARTMENT:

Energy

SECTION BELOW FOR USE OF CABLE SECTION

CHECKED FOR DISPATCH

DISPATCHED

1985 MAY -4 AM 12:11

CABLE SECTION

URGENT 12:11Z MAY 1985

TO: DIRECTOR, FBI (100-441111) FROM: SAC, NEW YORK (100-12345) (P)
SUBJECT: [REDACTED] (C) (S)

RE: NEW YORK TELETYPE TO BUREAU, MAY 4, 1985.

FOR INFORMATION OF THE BUREAU, THE FOLLOWING IS A SUMMARY OF THE
MATTER:

ON MAY 3, 1985, [REDACTED] ADVISED THAT [REDACTED] HAD BEEN
CONTACTED BY [REDACTED] WHO OFFERED HIM \$50,000 TO ASSIST IN
THE ATTEMPTED ABDUCTION OF [REDACTED].

[REDACTED] REFUSED THE OFFER AND ADVISED THAT HE HAD BEEN
CONTACTED BY [REDACTED] WHO OFFERED HIM \$100,000 TO ASSIST IN
THE ATTEMPTED ABDUCTION OF [REDACTED].

[REDACTED] ADVISED THAT HE HAD BEEN CONTACTED BY [REDACTED] WHO
OFFERED HIM \$200,000 TO ASSIST IN THE ATTEMPTED ABDUCTION OF
[REDACTED].

[REDACTED] ADVISED THAT HE HAD BEEN CONTACTED BY [REDACTED] WHO
OFFERED HIM \$300,000 TO ASSIST IN THE ATTEMPTED ABDUCTION OF
[REDACTED].

END OF MESSAGE

J

INT/ 83/005
5/3/85

OFFICE MEMORANDUM

SE - Energy Sectn

cc F338

cc SE - Indus. Energy Conserv.

DATE: May 3, 1985

TO: Mr. Masood Ahmed

FROM: Willem Floor

SUBJECT: ESMAP: SENEGAL - Back-to-office report

1. In accordance with my TOR I arrived in Senegal on April 13, 1985 to supervise the activities of the two ESMAP financed consultants (Heitner, Madon) who provide assistance to the Government for the planned donor meeting on energy sector investments. Furthermore, final clearing of the blue cover report on "Energy Conservation in the Industrial Sector" had to be obtained from the Government.

2. Both consultants have made considerable progress with their analysis of the issues in the energy sector, including the outline of the future energy policy strategy and investment requirements. Despite the dispersed and uncoordinated nature of data collection in Senegal they have been able to obtain all the required data, due to good collaboration with both the Government and the private sector. At the same time it became apparent that Senegal still doesnot have an institutional capability to collect and analyze its energy data for energy pricing and policy purposes. The consultants' drafts showed that the lack of a dynamic pricing policy prevented the government from creating an appropriate set of policy instruments, and this has resulted in large and growing subsidies and unintended effects. Before my arrival, first drafts had already been discussed with Mr. Cisse, directeur de l'energie (MDIA) and his advisors (incl. Bocar Thiam Madani). It was clear, that at the working level, agreement existed between the MDIA and the consultants where the analysis was concerned. However, major differences still had to be bridged with regard to the conclusions to be drawn from the analysis. For example, Mr. Cisse stated that no price increases could be suggested as one of the means to deal with the issues in the energy sector. Since the financial analysis of the commercial energy sector left little doubt about the need for such action I suggested to Mr. Cisse that he write a memorandum to his minister to inform him of the nature and implications of the analysis done so far in order to prepare the minister for the difficult task ahead. I also suggested that the Ministers of Finance, Planning and la Presidence would receive copies to inform these key ministries of the seriousness of the situation as well. Since the planned donor meeting should be considered as a kind of negotiation, I submitted that the Government should not start this meeting in a position of weakness. It therefore had to show, by prior decisions about energy pricing issues, that it took serious matters seriously. Mr. Cisse found these arguments convincing and acted accordingly.

3. During the mission I liaised with Messrs. Barbu and Farhandi (EGYD2) who reviewed the draft on the petroleum sector. We also

discussed LPG import issues, a problem to be addressed in the report to be submitted by Mr. Madon. The latter's report would receive further screening, especially with regard to the forestry section by Mr. Gorse, who arrived on April 17, 1985. I further liaised with Mr. Kaps, the Bank's Resident Representative, who agreed with me that the SAC mission, which arrived after my departure, would have to make the government aware of the need to take action on the energy pricing issues. We discussed this issue by telephone with Mr. Benjamin, senior loan-officer, who however held the opinion that this was not part of the SAC mission's tasks and TOR.

4. A minor issue was the status of the report. Mr. Kaps believed that before the consultants could submit the final draft to the Government it first would have to be cleared with the Bank. I, however, submitted that the Bank only assisted the Government in making its own report and, therefore, the Bank had 'officially' nothing to do with the report. Thus the consultants could submit their report without Bank clearance. This was confirmed by Mr. Benjamin, and the consultants were instructed accordingly.

5. Although the Government had cleared the green cover report on "Energy Conservation in Industry", I had promised Mr. Cisse a last review due to reformulation of some parts of the report. He and his staff suggested some minor editorial changes to which I agreed. The same held for the TOR of the consultants identified in the report, which had been prepared at the specific request of the MDIA.

I also liaised with Mr. McAdams, the UNDP Resident Representative, to whom I gave the draft French version of the UNDP project document. He had two problems with the text (which did not differ basically from the English version submitted to him in February 1985), viz. salaries allocated for local staff in the budget, which, during the first year, had to be paid by UNDP, which is contrary to UNDP policy. In addition he wanted not only a budget for the UNDP part, but also the budget for the entire project. He will send me his detailed comments by pouch before the end of the month.

This means that the blue cover of the report "Energy Conservation in Industry" can be published and that we have to adapt the text of the UNDP project document taking into account the Resident Representative's comments.


cc: Messrs. Bauer, Gorse, Davis, Sigwalt, Menezes (WAP);
Landell-Mills, Gorjestani, Redfern (WA2);
Hume, Iskander, Bates (EGY);
Kaps (Res. Resp., Dakar, Senegal);
M. Leach (WAP);
EGYEA Higher Level Staff

WF:mac

OFFICE MEMORANDUM

DATE: May 1, 1985

TO: Mr. Hans Wyss, Director, EAPDR
Mr. Yves Rovani, Director, EGY

FROM: Harold Wackman, Chief, EAPEG
Masood Ahmed, Deputy Chief, EGYEA 

SUBJECT: Review and Clearance Procedures for ESMAP Reports in Eastern and Southern Africa Region

1. The purpose of this memorandum is to obtain your agreement for a set of procedures we have developed for the review and clearance of reports prepared under the UNDP/World Bank Energy Sector Management Assistance Program (ESMAP). The objective of these procedures is to establish a single focal point for ESMAP activities in the Eastern and Southern Africa Region. In accordance with regional guidelines, this function will be discharged by EAPEG.

2. Proposed Review and Clearance Procedures: At various stages of the preparation process, ESMAP reports are distributed according to the guidelines included in a memo dated October 15, 1984, a copy of which is attached as Annex I. The following procedures would apply to the review and clearance at each stage of these ESMAP reports:

- a) Each ESMAP activity will commence with an Activity Initiation Brief which briefly sets out the objectives of the proposed work, the methods proposed to accomplish them, the TORs for staff members and consultants to be deployed and approximate costs of the activity. This Brief is to be reviewed for substance by EAPEG, after consultation with the relevant Regional staff, before circulation. EGYEA will advise EAPEG in the event comments from other parts of the Bank substantially affect the content of the brief after its circulation for comment.
- b) After completion of field work, the mission produces a back-to-office report which is circulated for information and comments to the staff listed in the attachment. Generally 8-10 weeks thereafter, the mission's findings and analysis are presented in a draft White Cover Report which will be reviewed at the working level by a small (four to six person) core-group of Bank staff from within EGY and the Region. This White Cover review will be coordinated at an informal level within EGYEA as at present.
- c) The report would then be modified and issued under Yellow Cover for review by the Region, the EGY Front Office, and other concerned Bank divisions. A joint meeting will be

held to discuss the report if requested by any of the divisions reviewing the report or if their comments raise issues of substance. Such a meeting, if held, will be chaired by the Regional Assistant Director, Projects.

- d) After incorporating the comments received, EGYEA will seek formal clearance from the Region to transmit the report under Green Cover to the government. The covering memo seeking clearance will be addressed to the Chief Economist, copied to the concerned Programs Division Chief and to EAPEG. The reports will be dispatched by EGYEA to the Government only after receiving written clearance from the Chief Economist whose office will be responsible for obtaining any Regional staff reviews/clearances required. Since clearance of Green covers will not normally involve issues of substance -- these should be raised at the Yellow Cover stage -- clearance should take no more than a week following receipt of the report by the Chief Economist. Where a report is transmitted in a language other than English, it will not be necessary to go through the formal clearance procedures again if the English draft has been cleared. However, the concerned Programs division will be notified by EGYEA that the translated version of the Green Cover is being sent to the Government.
- e) After incorporating the changes resulting from discussions with the Government, the final draft report will again be cleared by the Chief Economist according to the procedure outlined in (d) above. The covering memo seeking clearance will include a summary of the changes made in the report after discussions with the Government. This clearance, as in (d) above, should take no longer than a week following receipt of the report by the Chief Economist.
- f) The final Blue Cover report will then be printed and distributed within the Bank and UNDP, and dispatched to concerned Government departments as well as to multilateral and bilateral donor agencies.

3. Clearance of Non-routine Communications: EGYEA will ensure that all terms of reference and communications to the countries on ESMAP activities are cleared by the concerned Programs Division and EAPEG. If clearance from other Regional Projects divisions (agriculture, industry, transport, etc.) is required, this will be obtained by EAPEG. In addition, EGYEA will obtain the clearance from non-regional divisions (EIS/OPS) where this is required. Within EAPEG, staff members have been nominated to act as points of contact for a particular country for coordinating ESMAP work within the Region. The list of nominations is attached as Annex II. Within EGYEA, the staff responsible for coordinating all ESMAP work in each country are listed in Annex III. Those involved

in individual projects are specified in the Quarterly Status Reports. EAPEG will ensure that all relevant communications, reports, etc. are copied to the concerned EGYEA staff.

4. We have agreed to continue meeting on a quarterly basis for a more general review of ongoing and planned ESMAP activities in Eastern and Southern Africa. The ESMAP Quarterly Status Reports produced by EGYEA will serve as a basis for these discussions, which will be held in the fortnight following the issue of the Quarterly Status Report. At these meetings, we will also discuss the ongoing and planned sector work or technical assistance activities being carried out by EAPEG to ensure that the programs of the two divisions are closely coordinated. Programs staff and the staff of the relevant subsector divisions in IND, EGY and EAP will be informed of the meetings and invited to attend.

Attachments

cc and cleared with: Mr. Bronfman (EAPDR)
Mr. Hume (EGY)

RBroadfield:hm

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM (ESMAP)
STANDARDIZED DISTRIBUTION LIST

Table 1: Core List

Region and Staff Members	Title	Dent. Code	Room Number	ATR	BTG	Yellow Cover	Blue Cover
OPERATIONS POLICY STAFF							
Rajagopalan		PPD	D-1030				
Raphaelli		PPD	D-1041				
de Azcarate		CPD	N-53A				
IPC							
Richardson	Director	CDD	T-12-129				
IED							
Riley		TRD	P-RNR				
Burney		TRD	P-RNR				
INDUSTRY							
Golan	Director	TND	A-513				
Kohli	Asst. Dir. Pol.	TND	A-507				
Haug (Ms.)	Asst. Dir. Opa.	TND	A-513				
Gamba	Chief, INDFC	TND	P-510	X		X	
OFFICE OF THE VICE PRESIDENT							
Dherae	Vice Pres.	PISVP	C-502				
Weissman	Prmk. Coord.	PISVP	C-503	X		X	
Ludvik		PISVP	C-503	X		X	
ENERGY DEPARTMENT							
Rovani	Director	ECY	Front Off.	X		X	
Hume	Asst. Dir.	ECY	Front Off.	X	X	X	
Bourcier	Asst. Dir.	ECY	Front Off.	X		X	
Sadove	Senior Adv.	ECY	Front Off.	X		X	
Saunders	Econ. Adv.	ECY	Front Off.	X		X	
Kalia	Asst. to Dir.	ECY	Front Off.	X		X	
McCarthy (Asia/Emena) OR	Chief	ECY	Per. Div.1	X	X	X	
Iskander (Africa/Lac)	Chief	ECY	Per. Div.2	X	X	X	
Doak	Renew. Adv.	ECY	Renewables	X		X	
Fish	Sr. Advisor	ECY	Power	X		X	
Heron	Financ. Adv.	ECY	Power	X		X	
Bates	Dep. Chief	ECY	ECYFA	X	X	X	
ENRDP							
Harland (1)	New York	INNDP	New York	X		X	
Boethermel/Cox (1)	New York	INNDP	New York	X		X	
RESIDENT REPRESENTATIVES							
World Bank			Country	X	X	X	
UNDP			Country				
ECYFA							
Professionals		ECYFA	4th Floor	X	X	X	

Table 2: Basic List for the Regions

Region and Staff Members	Title	Dept. Code	Room Number	ATP	ATO	Yellow Cover	Blue Cover
EAST AFRICA REGION							
Javrox	Vice Pres.	FCAVP	R-1710				
Gulhati	Chief Econ.	FCAVP	R-1711				Y
<u>Projects</u>							Y
Wvss							
Gusten	Director	EAP	A-1042				
Bronfman (all reports) PLUS	Sr. Econ.	FAP	A-1047	Y		Y	Y
Christoffersen (Tanzania, Malawi, Mozambique, Zambia, Zimbabwe, Botswana, Lesotho, Swaziland) OR	Asst. Dir.	FAP	A-1047	Y		Y	Y
Loh (Sudan, Ethiopia, Somalia, Kenya, Uganda) OR	Asst. Dir.	FAP	A-1042	Y		Y	Y
Wackman	Asst. Dir.	FAP	A-1042	Y		Y	Y
Lethem	Chief, Egv Div	FAP	D-611	Y	Y	Y	Y
	T.A. Adv.	FAP	C-1203	Y	X	X	X
<u>Programs</u>							
(see telephone directory, page 80)	Director	PA					
(" " " " , page 80)	Chief	PA		X	Y	Y	Y
(" " " " , pages 107-108)	Loan Officer	PA		Y	Y	X	Y
(" " " " , pages 107-108)	Country Econ.	EA		Y	Y	Y	Y
WEST AFRICA REGION							
Thalwitz	Vice Pres.	WANVP	A-313				
O'Brien	Chief Econ.	WANVP	A-313				Y
<u>Projects</u>							Y
Fuchs	Director	WAP	R-404				
Husain	Sr. Econ.	WAP	A-343	Y		Y	Y
Mouhaouala	Asst. Dir.	WAP	R-304	Y		Y	Y
Rauer	Chief, Egv Div.	WAP	D-913	Y	Y	Y	Y
Davis	Dep. Chief, Egv	WAP	D-912	Y	Y	Y	Y
Menezes	Coordinator	WAP	D-913	Y	Y	Y	Y
Leach (Ms.)	Adm. Asst.	WAP	D-908	Y	Y	Y	Y
<u>Programs</u>							
(see telephone directory, page 81)	Director						
(" " " " , page 81)	Chief			Y	X	Y	Y
(" " " " , pages 108-109)	Loan Officer			Y	Y	Y	Y
(" " " " , pages 108-109)	Country Econ.			Y	X	Y	Y
EAST ASIA AND PACIFIC REGION							
Karaosmanoglu	Vice Pres.	AFNVP	A-613				
Yenal	Chief Econ.	AENVVP	A-613				Y
<u>Projects</u>							Y
Kirman	Director	AFP	A-607				
Baldwin	Sr. Econ.	AFP	A-600	Y		X	Y
Turnham (China/Korea) OR	Asst. Dir.	AFP	A-607	Y		Y	Y
Blaxall (Thailand, Philippines, Vietnam, Laos) OR	Asst. Dir.	AFP	A-607	Y		Y	Y
Davar (Indonesia, Malaysia, Fiji, South Pacific)	Asst. Dir.	AFP	A-614	Y		Y	Y
Navvar	Chief, Egv Div	AFP	C-413	Y	Y	Y	Y
Ahmed	Dep. Chief, Egv	AFP	C-419	Y	Y	Y	Y
<u>Programs</u>							
(see telephone directory, page 83)	Director						
(" " " " , page 83)	Chief			Y	Y	Y	Y
(" " " " , page 109)	Loan Officer			Y	Y	Y	Y
(" " " " , page 109)	Country Econ.			Y	Y	Y	Y
SOUTH ASIA							
Hopper	Vice Pres.	ASNVP	H-5177				
Holsen	Chief Econ.	ASNVP	H-5173				Y
<u>Projects</u>							Y
Lerdau	Director	ASP	H-5049				
Nowicki	Sr. Econ.	ASP	H-5053	Y		Y	Y
Gell	Asst. Dir.	ASP	H-5073	Y		Y	Y
Brandreth	Chief, Power	ASP	H-3157	Y	Y	Y	Y
Elwan	Dep. Chief, Egv	ASP	H-3173	Y	Y	Y	Y
<u>Programs</u>							
(See telephone directory, page 84)	Director						
(" " " " , page 84)	Chief			Y	Y	X	X
(" " " " , page 110)	Loan Officer			Y	X	Y	Y
(" " " " , page 110)	Country Econ.			Y	Y	Y	Y

Table 2: Basic List for the Regions
(continued)

Region and Staff Members	Title	Dept. Code	Room Number	AIR	RTD	Yellow Cover	Blue Cover
EMENA							
Wapenhans	Vice Pres.	FMNVP	H-12-071				X
Rasan	Chief Econ.	FMNVP	H-12-075				Y
<u>Projects</u>							
Piclotto	Director	FMP	H-10-067				Y
Ljung	Sr. Econ.	FMP	H-11-113	X		Y	X
Dewey	Asst. Dir.	FMP	H-10-047	Y		Y	Y
Reekie	Chief, Power	FMP	H-10-113	Y	Y	Y	Y
Roa	Dep. Chief, Pow.	FMP	H-10-111	Y	Y	Y	Y
El Maaroufi	T.A. Adv.	FMP	H-11-049	Y	Y	Y	X
<u>Programs</u>							
see telephone directory, page 85)	Director						Y
" " " , page 85)	Chief			Y	X	Y	Y
(" " " , pages 110-111)	Loan Officer			X	X	X	X
(" " " , pages 110-111)	Country Econ.			Y	Y	X	Y
LATIN AMERICA AND CARIBBEAN							
Knox	Vice Pres.	LCNVP	A-907				Y
Pfefferman	Chief Econ.	LCNVP	A-900				X
<u>Projects</u>							
van der Meer	Director	LCP	A-813				Y
Ray	Sr. Econ.	LCP	A-823	Y		X	Y
Jennings	Asst. Dir.	LCP	A-813	Y		Y	Y
Moscote/Linder 1/	Chief, Power	LCP	F-918/F-903	Y	X	Y	X
Halperin	Dep. Chief, Pow.	LCP	F-919	Y	Y	Y	Y
<u>Programs</u>							
(see telephone directory, page 87)	Director						Y
(" " " , page 87)	Chief			Y	Y	Y	Y
(" " " , pages 111-113)	Loan Officer			Y	Y	X	Y
(" " " , pages 111-113)	Country Econ.			Y	Y	Y	Y

1. Responsible for different countries:
Messrs. Moscote/Halperin - All except those under Mr. Linder.
Linder/no deputy - Argentina, Bolivia, Colombia, Dominican Republic and Panama.

Table 3: List of Staff with an Interest in the Specific Subjects Covered by Report

Region and Staff Members	Title	Post. Code	Brno Number	ATR	STO	Yellow Cover	Blue Cover
INDUSTRY RELATED							
Golan	Director	IND	A-513				
Kohli	Asst. Dir. Pol.	IND	A-507	Y		Y	Y
Naug (Ma)	Asst. Dir. Ops.	IND	A-513	Y		Y	Y
plus relevant divisions and/or units							
Goldberg (Mining)	Chief, Div. I	IND	C-513	Y		Y	X
Segura (Fertilizer Refineries and other Chem. Ind.)	Chief, Div. II	IND	A-540	Y		Y	X
Rowat (Manufacturing)	Chief, Div. III	IND	P-506	Y		Y	Y
Stern (Telecom./Elec.)	Chief, Div. IV	IND	C-508	Y		Y	Y
Gamba (Ind. Egv. Cons.)	Coord. Eff. Unit	IND	P-530	Y		Y	Y
plus Regional Departments (according to the country)							
Aguirre-Sacasa	Chief, INF Div.	FAP	D-1149	X		Y	Y
Alyer	Chief, INF Div.	WAP	A-712	Y		Y	Y
Gould	Chief, INF Div.	WAP	A-414	Y		Y	X
Williams	Chief, INF Div.	ASP	M-5-150	Y		Y	Y
Zaldan	Chief, INF Div.	FMP	M-10-113	Y		Y	Y
Schultz/Flood	Chief, INF Div.	LCP	M-202-R28	Y		Y	Y
COAL, LIGNITE OR PEAT RELATED							
Goldberg	Chief, Div. I	IND	C-513	Y		Y	Y
Lietard	Dep. Chief, Div. I	IND	P-507	Y		Y	Y
WOODFUELS (INCL. STOVES AND KILNS) RELATED							
Regional departments according to the country							
<u>East Africa</u>							
Christoffersen	Asst. Dir.	FAP	A-1067				
Nekby/Senner/ Ms. Marshall	Chief, Agr. Div.	FAP	F1007/A1167	Y		Y	Y
	Chief, Agr. Div.	FAP	F-1006	Y		Y	Y
<u>West Africa</u>							
Eccles	Asst. Dir.	WAP	R-606				
Meadows/Walton/ Blanchi/Thoolen	Chief, Agr. Div.	WAP	D-913/A-717				Y
	" " "	WAP	R704/D-929	Y		Y	Y
<u>East Asia & Pacific</u>							
Blaxall/Devar/Turnham	Asst. Dir.	AFP	A-607/A-607				Y
Madsworth/Krishna/ Hussain/Smith/	Chief, Agr. Div.	AFP	F-630/F-617				Y
	" " "	AFP	F-624/A-667	Y		Y	Y
<u>South Asia</u>							
Haynes	Asst. Dir.	ASP	M-6-977				Y
Nottidge	Chief, Agr.	ASP	M-6-985	Y		Y	Y
<u>EMENA</u>							
Giffin	Asst. Dir.	FMP	M-10-065				Y
Ramasubbu/D'Sullivan/ Harris	Chief, Agr. Div.	FMP	HQ647/HQ117 M-9065	Y		Y	Y
<u>LAC</u>							
van Gigh	Asst. Dir.	LCP	A-813				Y
McGarry/Martinussen/ Otten	Chief, Agr. Div.	LCP	F-866/C-802 C-913	Y		Y	Y
plus Operations Policy Staff Spears							
	Forestry Adv.	AGR	N-1153	Y		Y	Y
TRANSPORTATION RELATED							
Regional departments according to the country							
<u>East Africa</u>							
Loh	Asst. Dir.	FAP	A1047				
Brown/Abe	Chief, Transp.	FAP	R1105/01211	Y		Y	Y
<u>West Africa</u>							
Guetta	Asst. Dir.	WAP	R-606				Y
Soto/Apitz	Chief, Transp.	WAP	R-308/A-707	Y		Y	Y
<u>East Asia</u>							
Devar/Turnham	Asst. Dir.	AFP	A-600/A-607				Y
Sabell/Carnemark	Chief, Transp.	AFP	F-607/R-608	Y		Y	Y
<u>South Asia</u>							
Geli	Asst. Dir.	ASP	M-6-977				Y
Brandreth	Chief, Transp.	ASP	M-7-157	Y		Y	Y
<u>EMENA</u>							
Pranich	Asst. Dir.	FMP	M-10-067				Y
Howard	Chief, Transp.	FMP	M-10-001	Y		Y	Y
<u>LAC</u>							
Jennings	Asst. Dir.	LCP	A-813				Y
Shields/Newman	Chief, Transp.	LCP	D-968/A-967	Y		Y	Y
plus Operations Policy Staff Bennathan Johansen (Ms)							
	Economic Adv.	TRP	N-938	Y		Y	Y
		TRP	N-953	Y		Y	Y
POWER RELATED*							
Reports already distributed to Power Divisions under Regions Core List							

* Note that Blue Cover is distributed to Power Chiefs in all regions for information.

Eastern and Southern Africa Energy Sector WorkEAPEG Staff Country Responsibilities

<u>Country</u>	<u>EAPEG Staff Members Responsible</u>
Angola	Besant-Jones
Botswana	Aguilar/Bundi
Burundi	Ceyhan/Mikitin
Comoros	Besant-Jones
Djibouti	Aguilar
Ethiopia	Aguilar/Newcombe
Kenya	Schramm/Shaukat
Lesotho	Schramm/Mastilovic
Madagascar	Newcombe/Mastilovic
Malawi	Schramm/Mastilovic
Mauritius	Shaukat/Newcombe
Mozambique	Besant-Jones/Chaves
Rwanda	Ceyhan/Schramm
Seychelles	Besant-Jones
Somalia	Aguilar/Besant-Jones
Sudan	Besant-Jones/Shaukat
Swaziland	Shaukat/Mastilovic
Tanzania	Schramm/Bundi
Uganda	Besant-Jones/Mitchell
Zaire	Ceyhan/Mikitin
Zambia	Aguilar/Mitchell
Zimbabwe	Mastilovic/Mitchell

April 30, 1985

Country Coordinator Interim Listing

Region/Country 1/	Primary	Alternate
<u>Eastern and Southern Africa</u>		
Botswana	Armar	Kiwana
Burundi*	Floor	King
Ethiopia*	Floor	Leitman
Kenya*	Mian	Broadfield
Lesotho	Kiwana	Armar
Malawi	Alahdad	Floor
Mauritius	Sherbiny	Ahmed
Rwanda*	Floor	King
Seychelles	Mitchell	Mian
Sudan*	Alahdad	Frueh
Tanzania	Kiwana	Broadfield
Uganda*	Alahdad	Frueh
Zambia*	Broadfield	Mian
Zimbabwe*	Armar	Mian
Zaire	Pulgar-Vidal	Ferroukhi
<u>West Africa</u>		
Benin	Weimper	Craig
Burkina	Craig	Muller
Cape Verde	Sanchez-Sierra	Del Buono
Gambia*	Armar	Akanda
Guinea-Bissau*	Sanchez-Sierra	Sharkey
Ivory Coast	Ferroukhi	Perine
Liberia	Sharkey	Bachrach
Mali	Craig	Muller
Mauritania	Richter	Weimper
Niger	Schmedtje	King
Nigeria	Broadfield	Alahdad
Senegal*	Floor	Shanberge
Togo	Weimper	Muller
<u>East Asia and Pacific</u>		
Fiji	Kiwana	Mian
Indonesia*	Mitchell	Floor
Papua New Guinea*	Kiwana	Alahdad
Solomon Islands	Kiwana	Mian
Thailand	Tillman	Byer
Tonga	Kiwana	Mian
Vanuatu	Kiwana	Mian
Western Samoa	Kiwana	Mian
<u>South Asia</u>		
Bangladesh*	Sherbiny	Gulstone
Burma	Sherbiny	De Caux
Nepal*	Broadfield	Mian
Sri Lanka*	Alahdad	Gaskin
<u>EMENA</u>		
Morocco	Sherbiny	Ferroukhi
Portugal	Schmedtje	Sherbiny
Turkey	Sherbiny	Alahdad
Yemen Arab Rep.	Floor	Sherbiny
<u>LAC</u>		
Costa Rica*	Sanchez-Sierra	Bachrach
Jamaica	Mian	Gaskin
Paraguay*	Sanchez-Sierra	Rodriguez
Peru*	Sanchez-Sierra	Rodriguez
St. Lucia	Mian	Broadfield
St. Vincent	Mian	Broadfield

* Only countries where assessment mission has been completed are listed. Countries with ongoing ESMAP activities are marked with *. Assessment mission chief is country coordinator until Blue Cover Assessment Report is finalized.

MAHmed/aaf
1/25/84

**UNITED NATIONS
DEVELOPMENT PROGRAMME**



**PROGRAMME DES NATIONS UNIES
POUR LE DEVELOPPEMENT**

ONE UNITED NATIONS PLAZA
NEW YORK, N.Y. 10017

TELEPHONE: 905-0000

CABLE ADDRESS: UNDEVPRO • NEW YORK

REFERENCE: INT/83/005

30 April 1985

Dear Mr. Bates,

Subject: INT/83/005, UNDP/World Bank Energy Sector
Management Assistance Programme (ESMAP)

We have noted from the Activity Initiation Brief dated 14 March 1985 in connection with the forthcoming Donors Meeting on Energy for Senegal to be held in July 1985 that the Government of Senegal has requested ESMAP assistance for the preparation of certain background documentation for the meeting including a piece on the woodfuel problem. We have also noted that this activity is by now fairly well advanced. While we endorse this kind of ESMAP activity, we were a bit puzzled by the fact that UNDP does not seem to be included in the list of donors whom the Government is planning to invite to the meeting. Perhaps the omission was inadvertent. Nevertheless we thought we would flag the issue in any case. It would seem appropriate for the UNDP office to be invited given our substantial involvement in the energy sector in Senegal through ESMAP including, more recently, through the UNDP Indicative Planning Figure (IPF) for Senegal in connection with the industrial energy conservation programme.

Any light you could shed on the above situation would be most appreciated.

Went right.

Yours sincerely,

Tim Rothermel

Timothy S. Rothermel
Director

Division for Global and Interregional Projects

Mr. Robin Bates
Deputy Chief, Energy Assessment Division
World Bank
1818 'H' Street, N.W.
Washington, D.C. 20433

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BOOK OF TWO:

1. THE HONORABLE JOHN TEPAIKA
MINISTER OF ENERGY, WORKS AND UTILITIES
HONIARA
SOLOMON ISLANDS

~~(LT)~~

769-66311

2. THE HONORABLE BARTHOLOMEW ULUFA'ALU
MINISTER OF FINANCE
HONIARA
SOLOMON ISLANDS
TELEX NO. 769-66337

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THE HONORABLE JOHN TEPAIKA, MINISTER OF ENERGY, WORKS AND UTILITIES, HONIARA, SOLOMON ISLANDS. COPY TO THE HONORABLE BARTHOLOMEW ULUFA'ALU, MINISTER OF FINANCE, HONIARA, SOLOMON ISLANDS. RE: ITINERARY OF PETROLEUM SUPPLY STUDY MISSION. (AAA) FOLLOWING COMPLETION OF TERMS OF REFERENCE FOR REGIONAL PETROLEUM SUPPLY STUDY WE PROPOSE TO START FIELD WORK IN HONIARA, SOLOMON ISLANDS FROM JUNE 6 - JUNE 8. PETROLEUM SUPPLY STUDY MISSION WILL COMPRISE MESSRS. ZIA MIAN (MISSION LEADER), VERNON MEIKLE, AND SALVADOR RIVERA. WOULD APPRECIATE IF YOUR STAFF COULD PREPARE FOLLOWING INFORMATION FOR THE REVIEW OF THE MISSION ON ARRIVAL: (A) ACTUAL CONSUMPTION BY PRODUCTS FOR 1980-84, (B) STORAGE FACILITIES BY SIZE AND PRODUCTS INCLUDING LPG, (C) LANDED COST STRUCTURE BY PRODUCT AT EACH RECEIVING PORT FOR 1980-84, (D) INTERNAL PRICE STRUCTURE BY PRODUCTS FOR 1980-84, (E) PHYSICAL CHARACTERISTICS (DRAFT, LENGTH) OF PORT FACILITIES AND OWNERSHIP, AND (F) COPY OF AGREEMENTS BETWEEN COUNTRY AND SUPPLIERS. (BBB) WOULD ALSO APPRECIATE ARRANGEMENT OF MEETINGS WITH HEADS OF PETROLEUM MARKETING COMPANIES, OFFICIALS FROM MINISTRIES INVOLVED IN PETROLEUM SUPPLY AND PROCUREMENT, PRICING BOARDS AND CUSTOM OFFICIALS. BEST REGARDS, ROBIN BATES, ACTING DIVISION CHIEF, ENERGY ASSESSMENTS DIVISION, ENERGY DEPARTMENT, WORLD BANK

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CLASS OF SERVICE: TELEX

TELEX NO.:

BOOK OF TWO

DATE:

04/29/85

SUBJECT:

ESMAP: SOUTH PACIFIC MISSION

DRAFTED BY:

SRivera:jmm

EXTENSION:

74546

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cc. & cleared with: Ms. Farmer (AEASP)
cc: Messrs. Struben, Ngandu, Yussuf
Ibrahim, (AEASP); Bourcier, McCarthy,
Vonck, Oduolowu, Aleem, Bates, Mian,
Meikle (EGY)

AUTHORIZED BY (Name and Signature):

Robin Bates, Acting Div. Chief, EGYEA

DEPARTMENT:

Energy

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BOOK OF TWO:

1. THE HONORABLE JONE NAISARA

MINISTER OF ENERGY AND MINERAL RESOURCES

SUVA

FIJI

792-2167

2. THE HONORABLE MOSESE QUONIBARAVI

MINISTER OF FINANCE

SUVA

FIJI

TELEX NO. 792-2121

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THE HONORABLE JONE NAISARA, MINISTER OF ENERGY AND MINERAL
RESOURCES, SUVA, FIJI. COPY TO THE HONORABLE MOSESE QUONIBARAVI,
MINISTER OF FINANCE, SUVA, FIJI. RE: ITINERARY OF PETROLEUM
SUPPLY STUDY MISSION. (AAA) FOLLOWING COMPLETION OF TERMS OF
REFERENCE FOR REGIONAL PETROLEUM SUPPLY STUDY WE PROPOSE TO START
FIELD WORK IN SUVA, FIJI FROM JUNE 1 - JUNE 6. PETROLEUM SUPPLY
STUDY MISSION WILL COMPRISE MESSRS. ZIA MIAN (MISSION
LEADER), VERNON MEIKLE, AND SALVADOR RIVERA. WOULD APPRECIATE IF
YOUR STAFF COULD PREPARE FOLLOWING INFORMATION FOR THE REVIEW OF
THE MISSION ON ARRIVAL: (A) ACTUAL CONSUMPTION BY PRODUCTS FOR
1980-84, (B) STORAGE FACILITIES BY SIZE AND PRODUCTS INCLUDING
LPG, (C) LANDED COST STRUCTURE BY PRODUCT AT EACH RECEIVING PORT
FOR 1980-84, (D) INTERNAL PRICE STRUCTURE BY PRODUCTS FOR 1980-
84, (E) PHYSICAL CHARACTERISTICS (DRAFT, LENGTH) OF PORT
FACILITIES AND OWNERSHIP, AND (F) COPY OF AGREEMENTS BETWEEN
COUNTRY AND SUPPLIERS. (BBB) WOULD ALSO APPRECIATE ARRANGEMENT
OF MEETINGS WITH HEADS OF PETROLEUM MARKETING COMPANIES,
OFFICIALS FROM MINISTRIES INVOLVED IN PETROLEUM SUPPLY AND
PROCUREMENT, PRICING BOARDS AND CUSTOM OFFICIALS. BEST REGARDS,
ROBIN BATES, ACTING DIVISION CHIEF, ENERGY ASSESSMENTS DIVISION,
ENERGY DEPARTMENT, WORLD BANK

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CLASS OF SERVICE: TELEX	TELEX NO.: BOOK OF TWO	DATE: 04/29/85
SUBJECT: ESMAP: SOUTH PACIFIC MISSION	DRAFTED BY: SRivera:jmm	EXTENSION: 74546
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BOOK OF TWO:

1. THE HONORABLE DONALD KALPOKAS

MINISTER OF LANDS, ENERGY AND WATER SUPPLY

PORT VILA

VANUATA

2. MR. KALPOKOR KALSAKAU

MINISTRY OF FINANCE

PORT VILA

VANUATA

TELEX NO. 718-1049

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THE HONORABLE DONALD KALPOKAS, MINISTER OF LANDS, ENERGY AND
WATER SUPPLY, PORT VILA, VANUATA. COPY TO MR. KALPOKOR KALSAKAU,
MINISTER OF FINANCE, PORT VILA, VANUATU. RE: ITINERARY OF
PETROLEUM SUPPLY STUDY MISSION. (AAA) FOLLOWING COMPLETION OF
TERMS OF REFERENCE FOR REGIONAL PETROLEUM SUPPLY STUDY WE PROPOSE
TO START FIELD WORK IN PORT VILA, VANUATU FROM MAY 18 - MAY 23.
IN PARALLEL TO MISSION TO DISCUSS ENERGY ASSESSMENT REPORT, PETRO.
SUPPLY STUDY MISSION WILL COMPRISE MESSRS. ZIA MIAN (MISSION
LEADER), AND VERNON MEIKLE. WOULD APPRECIATE IF YOUR STAFF COULD
PREPARE FOLLOWING INFORMATION FOR THE REVIEW OF THE MISSION ON
ARRIVAL: (A) ACTUAL CONSUMPTION BY PRODUCTS FOR 1980-84, (B)
STORAGE FACILITIES BY SIZE AND PRODUCTS INCLUDING LPG, (C) LANDED
COST STRUCTURE BY PRODUCT AT EACH RECEIVING PORT FOR 1980-84, (D)
INTERNAL PRICE STRUCTURE BY PRODUCTS FOR 1980-84, (E) PHYSICAL
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AND (F) COPY OF AGREEMENTS BETWEEN COUNTRY AND SUPPLIERS. (BBB)
WOULD ALSO APPRECIATE ARRANGEMENT OF MEETINGS WITH HEADS OF
PETROLEUM MARKETING COMPANIES, OFFICIALS FROM MINISTRIES INVOLVED
IN PETROLEUM SUPPLY AND PROCUREMENT, PRICING BOARDS AND CUSTOM
OFFICIALS. BEST REGARDS, ROBIN BATES, ACTING DIVISION CHIEF,
ENERGY ASSESSMENTS DIVISION, ENERGY DEPARTMENT, WORLD BANK

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CLASS OF SERVICE: TELEX TELEX NO.: BOOK OF TWO DATE: 04/29/85

SUBJECT: ESMAP: SOUTH PACIFIC MISSION

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cc: Messrs. Struben, Ngandu, Yussuf
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Meikle (EGY)AUTHORIZED BY (Name and Signature)
Robin Bates, Acting Div. Chief, EGYEADEPARTMENT:
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BOOK OF FOUR:

1. THE HONORABLE FRANCIS PUSAL
MINISTER FOR MINERALS AND ENERGY
PORT MORESBY
PAPUA NEW GUINEA
TELEX NO. 794-22211

2. THE HONORABLE PHILIP BOURAGA
MINISTER OF FINANCE
WAIGANI
PAPUA NEW GUINEA
TELEX NO. 794-22218

3. MR. IAN MORRIS
DEPARTMENT OF FINANCE
PORT MORESBY
WAIGANI
TELEX NO. 794-22218

4. MR. J. DUNCAN
DEPARTMENT OF MINERALS AND ENERGY
PORT MORESBY
PAPUA NEW GUINEA
TELEX NO. 794-22211

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THE HONORABLE FRANCIS PUSAL, MINISTER FOR MINERALS AND ENERGY,
PORT MORESBY, PAPUA NEW GUINEA. COPIES TO THE HONORABLE PHILIP
BOURAGA, MINISTER OF FINANCE, PORT MORESBY, PAPUA NEW GUINEA, MR.
IAN MORRIS, DEPARTMENT OF FINANCE, PORT MORESBY, PAPUA NEW
GUINEA, AND MR. J. DUNCAN, DEPARTMENT OF MINERALS AND ENERGY,
PORT MORESBY, PAPUA NEW GUINEA. RE: ITINERARY OF PETROLEUM
SUPPLY STUDY MISSION. (AAA) FOLLOWING COMPLETION OF TERMS OF
REFERENCE FOR REGIONAL PETROLEUM SUPPLY STUDY WE PROPOSE TO START
FIELD WORK IN PORT MORESBY, PAPUA NEW GUINEA FROM JUNE 8 - JUNE
13. PETROLEUM SUPPLY STUDY MISSION WILL COMPRISE MESSRS. ZIA MIAN
(MISSION LEADER), VERNON MEIKLE, AND SALVADOR RIVERA. WOULD
APPRECIATE IF YOUR STAFF COULD PREPARE FOLLOWING INFORMATION FOR
THE REVIEW OF THE MISSION ON ARRIVAL: (A) ACTUAL CONSUMPTION BY
PRODUCTS FOR 1980-84, (B) STORAGE FACILITIES BY SIZE AND PRODUCTS
INCLUDING LPG, (C) LANDED COST STRUCTURE BY PRODUCT AT EACH
RECEIVING PORT FOR 1980-84, (D) INTERNAL PRICE STRUCTURE BY
PRODUCTS FOR 1980-84, (E) PHYSICAL CHARACTERISTICS (DRAFT,
LENGTH) OF PORT FACILITIES AND OWNERSHIP, AND (F) COPY OF
AGREEMENTS BETWEEN COUNTRY AND SUPPLIERS. (BBB) WOULD ALSO
APPRECIATE ARRANGEMENT OF MEETINGS WITH HEADS OF PETROLEUM
MARKETING COMPANIES, OFFICIALS FROM MINISTRIES INVOLVED IN

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PETROLEUM SUPPLY AND PROCUREMENT, PRICING BOARDS AND CUSTOM
OFFICIALS. BEST REGARDS, ROBIN BATES, ACTING DIVISION CHIEF,
ENERGY ASSESSMENTS DIVISION, ENERGY DEPARTMENT, WORLD BANK

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CLASS OF SERVICE: TELEX

TELEX NO.:

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SUBJECT:

ESMAP: SOUTH PACIFIC MISSION

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SRivera:jmm

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cc: Messrs. Struben, Ngandu, Yussuf
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Robin Bates, Acting Div. Chief, EGYEA

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Energy

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3

1. MR. TANIELA TUKIA

4

SECRETARY NATIONAL ENERGY COMMITTEE

~~(LT)~~

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NUKU'ALOFA

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KINGDOM OF TONGA

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X

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2. THE HONORABLE C. CROCKER

9

MINISTER OF FINANCE

~~(LT)~~

10

NUKU'ALOFA

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KINGDOM OF TONGA

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3. THE HONORABLE BARON TUITA

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DEPUTY PRIME MINISTER

~~(LT)~~

15

AND MINISTER OF LANDS SURVEY AND NATURAL RESOURCES

16

NUKU'ALOFA

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KINGDOM OF TONGA

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765-66235 MINCFA. FOREIGN AFFAIRS
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MR. TANIELA TUKIA, SECRETARY NATIONAL ENERGY COMMITTEE,
NUKU'ALOFA, KINGDOM OF TONGA. COPIES TO THE HONORABLE C.
CROCKER, MINISTER OF FINANCE, NUKU'ALOFA, KINGDOM OF TONGA AND
THE HONORABLE BARON TUITA, DEPUTY PRIME MINISTER AND MINISTER OF
LANDS SURVEY AND NATURAL RESOURCES, ENERGY AND WATER SUPPLY,
NUKU'ALOFA, KINGDOM OF TONGA. RE: ITINERARY OF PETROLEUM SUPPLY
STUDY MISSION. (AAA) FOLLOWING COMPLETION OF TERMS OF REFERENCE
FOR REGIONAL PETROLEUM SUPPLY STUDY WE PROPOSE TO START FIELD
WORK IN PORT VILA, VANUATU FROM MAY 27 - JUNE 1. IN PARALLEL TO
MISSION TO DISCUSS ENERGY ASSESSMENT REPORT, PETROLEUM SUPPLY
STUDY MISSION WILL COMPRISE MESSRS. ZIA MIAN (MISSION
LEADER), AND VERNON MEIKLE. WOULD APPRECIATE IF YOUR STAFF COULD
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WOULD ALSO APPRECIATE ARRANGEMENT OF MEETINGS WITH HEADS OF
PETROLEUM MARKETING COMPANIES, OFFICIALS FROM MINISTRIES INVOLVED

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CLASS OF SERVICE:

TELEX NO.:

DATE:

SUBJECT:

DRAFTED BY:

EXTENSION:

CLEARANCES AND COPY DISTRIBUTION:

AUTHORIZED BY (Name and Signature):

DEPARTMENT:

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IN PETROLEUM SUPPLY AND PROCUREMENT, PRICING BOARDS AND CUSTOM
OFFICIALS. BEST REGARDS, ROBIN BATES, ACTING DIVISION CHIEF,
ENERGY ASSESSMENTS DIVISION, ENERGY DEPARTMENT, WORLD BANK

END
OF
TEXT →

PINK AREA TO BE LEFT BLANK AT ALL TIMES

INFORMATION BELOW NOT TO BE TRANSMITTED

CLASS OF SERVICE: TELEX	TELEX NO.: BOOK OF THREE	DATE: 04/29/85
SUBJECT: ESMAP: SOUTH PACIFIC MISSION	DRAFTED BY: SRivera:imm	EXTENSION: 74546
CLEARANCES AND COPY DISTRIBUTION: cc. & cleared with: Ms. Farmer (AEASP) cc: Messrs. Struben, Ngandu, Yussuf Ibrahim, (AEASP); Bourcier, McCarthy, Vonck, Oduolowu, Aleem, Bates, Mian, Meikle (EGY)	AUTHORIZED BY (Name and Signature): Robin Bates, Acting Div. Chief, EGYEA DEPARTMENT: Energy	
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THE WORLD BANK INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

UNI-Energy Sector
(ESMAP)

DATE: April 25, 1985

cc F338

TO: Robin Broadfield, EGYEA

FROM: ~~Robin~~ ^BBates, Acting Chief, EGYEA

INT/83/005

SUBJECT: ESMAP: Nigeria - Identification of Potential ESMAP
Technical Assistance Activities
Mission Terms of Reference

1. You will arrive in Nigeria on or around May 7 for a mission of about one week to identify and discuss a targetted program of potential ESMAP technical assistance activity to follow-up the recommendations of the August 1983 Energy Assessment Report.
2. The two potential ESMAP activities on which you will focus are:
 - (a) assistance to the National Electric Power Authority (NEPA) in the areas of (i) Power distribution technical and non-technical loss reduction; and (ii) organization and management; and
 - (b) a household energy survey and subsequent review of options for satisfying long-term household energy demand.
3. En route to Nigeria, you will stop-over in London, England for a one-day briefing by Mr. L.P. Wise, financial consultant to the Bank, who has been evaluating NEPA's financial performance.
4. On arrival in Nigeria, you will brief the Bank and UNDP Resident Representatives on the purpose of your mission. You will then join Mr. B.C. Davis, Deputy Division Chief, WAPEG, for meetings with senior officials of NEPA, during which you will review the potential for and possible scope of ESMAP technical assistance to the Authority as outlined in para. 2(a) above.
5. While in Nigeria, you will also review, with appropriate Government officials, the benefits and feasibility of mounting a survey of household energy use, on the lines proposed in the Energy Assessment report, and analysis of alternative options for meeting Nigeria's long-term household energy needs.
6. On completion of your mission, you will brief the World Bank and UNDP Resident Representatives of your findings. On return to Washington, you should prepare a brief back-to-office report summarizing your recommendations on an initial program of ESMAP activity in Nigeria.

cw and cc: Messrs. Davis (WAPEG); Sullivan (WAPAB);
Swayze (WAINI)

cc: Messrs. Husain, Bouhaouala (WAPDR);
Bauer, Moore, Ouahes, Menezes (WAPEG);
Humphrey, Nankani (WAINI);
Aiyer, Blanchi, Thoolen (WAP); Weissman, Ludvik (EISVP);
Goldberg, Segura, Gamba (IND);
Rovani, Hume, Bourcier, Sadove, Saunders, Kalim,
Iskander, Dosik, Fish, Heron, Bates, Spears, Grut (EGY);
Harland, Rothermel/Cox (UNDP, New York).
Husain (Res. Rep. Nigeria).

RBroadfield:hm

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NIAMEY, NIGER

FOR MR. WANIS SEMERDJIAN COPY MAURICE GERVAIS RE INT/83/005.

PLEASE ACCEPT THIS TELEX AS YOUR AUTHORITY TO TRANSFER U.S.

DOLLARS 15,000.00 TO THE WORLD BANK'S RESIDENT MISSION

ACCOUNT. THIS AMOUNT IS REQUIRED TO PURCHASE 2 CARS FOR THE

PROJECT'S USE. PLEASE I.O.V. THE WORLD BANK QUOTING

PROJECT INT/83/005. REGARDS, LAU, CHIEF, UNDP/TRUST FUNDS

SECTION, LOAN DEPARTMENT, INTBAFRAD

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CLASS OF SERVICE:

TELEX

982-5232

TELEX NO.

DATE:

04/25/85

SUBJECT:

File: INT/83/005

DRAFTED BY:

IKorolevich/lth

EXTENSION:

69367

CLEARANCES AND COPY DISTRIBUTION:

cc: Ms. R. Owen, EGYEA (D-440)
Ms. P. Severski

AUTHORIZED BY (Name and Signature):

Kah Hie Lau

DEPARTMENT:

Loan

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THE WORLD BANK INTERNATIONAL FINANCE CORPORATION

OFFICE MEMORANDUM

DATE: April 24, 1985

TO: Mr. Ian Hume, Assistant Director, EGY

FROM: Masood Ahmed, Deputy Chief, EGYEA

SUBJECT: ESMAP: FY86 Work Program

1. Per your request, this note sets out a preliminary FY86 work program for ESMAP. In reviewing this work program two general points need to be considered. First, programming ESMAP work for a twelve month period is difficult because of the intrinsic nature of the Program; in particular, although the general product lines and their relative importance can be established, the choice of specific ESMAP activities within these product lines will in many cases be made during the course of the year. Second, this work program is based on the assumption that additional funding will be raised to enable the ESMAP to operate at about the \$4 million per year level in 1986 and 1987. Although funds are available to cover the cost of the FY86 operations, the level and composition of these operations would need to change substantially if there was a major drop anticipated in ESMAP activity beyond FY86; specifically, the emphasis would then shift to completing ongoing activities and slowing down the introduction of new countries.

2. Table 1 summarizes the activities which we expect to complete under ESMAP in FY86. The table also shows the percentage of these activities on which work will have started during FY85. Together, the two sets of figures imply first, that the level of ESMAP completions will double from the FY85 level of 27. And second, that this anticipated increase is quite firm because over 60% of the FY86 completions will be carryovers from FY85 starts and should be completed in the first half of FY86. A list of these activities is attached as Annex 1. They also represent the "Category A:" activities in the FY86 Program in the sense of firm delivery that we discussed. The remaining activities on which work will not start until FY86 cannot be identified by name now but their probable distribution by product line is also indicated in the attached tables.

Table 1: FY86 ACTIVITY COMPLETIONS

	Total	of which FY85 Starts
Energy Assessment Status Reports	13	5
Preinvestment Activities (includes 5 cofinanced operations)	29	22
Institutional Policy Support (includes 3 cofinanced operations)	12	7
TOTAL	54	34

3. During FY86, I propose that this emphasis on preparation of the subsequent year's pipeline be continued and consequently I would envisage that by end FY86 work will be well advanced on about 35-40 operations scheduled for completion in FY87. These new activities are likely to be geographically more diversified than the operations already in the pipeline which are heavily concentrated in the Eastern and Southern Africa Region. Although the precise geographical focus of these new activities will be defined during the course of the year, I anticipate that the major growth areas will be in West Africa where the Program is now ready for a take-off stage; Burma and Bangladesh in South Asia; Indonesia, South Pacific Islands and possibly Thailand in East Asia; and Morocco and Portugal in EMENA. In LAC we have not been very successful in developing an ESMAP portfolio to date but the prospects are improving.

4. Anticipating the resource requirements for future ESMAP operations on an activity specific basis is even more difficult because these requirements do vary considerably from case to case and cannot be determined with precision until the Activity Initiation Brief stage. However, for aggregate program planning purposes we have developed average coefficients for each type of activity based on (admittedly limited) past experience. Based on these coefficients, the resource requirements associated with the FY86 work program are presented in Annex II. Three points worth noting in this regard are first, that we have assumed that the cost of carryover activities will on average be spread equally across the two years that they span. Thus, while there are individual variations, on average 50% of the cost of FY85 starts/FY86 completions is assigned to FY86. Similarly, half of the expected cost of FY86 starts/FY87 completions is assigned to FY86. Second, the resource requirements include the ESMAP managed cost of the eight cofinanced operations already started and scheduled for completion in FY86 but do not include resources for any further cofinanced operations which would be started if the funding for them is mobilized. These would simply add to both the applications and sources sides of the budget. And, third, the resource requirements include an allowance for non-project specific work which comprises the management of the Program as a whole and of the maintenance and supervision of the program in each active country. In summary, the resource requirements are for a total of 1610 SW (31 SY) of which about half would be for consultants and the remainder for in-house staff to execute and manage the program.

Attachments

MAhmed:aaf

cc: Mr. Bates (EGYEA)

ESMAP FY86 WORK PROGRAM

1. Energy Assessment Status Report

FY85 Starts (5)

Gambia
Lesotho
Morocco
Niger
Peru

FY86 Starts 14 of the following countries
(8 to be completed during FY86
6 to be completed during FY87)

Benin
Bolivia
Botswana
Burma
Costa Rica
Ethiopia
Ivory Coast
Liberia
Mauritania
Nigeria
Paraguay
Portugal
Tanzania
Togo
Turkey
Yemen

2. Preinvestment Activities

FY85 Starts (22)

Bangladesh	-	Natural Gas Small Users Study
Botswana	-	Borehole Electrification Feasibility
Ethiopia	-	Bagasse Utilization
Ethiopia	-	Agricultural Residues Briquetting
Ethiopia	-	Cooking Efficiency
Indonesia	-	Power System Efficiency Audit
Indonesia	-	Diesel Plant Operation and Maintenance Program
Kenya	-	Peri-Urban Fuelwood Supply Project
Kenya	-	Coal Import Action Plan
Liberia	-	Power Efficiency Audit
Mauritius	-	Power Efficiency Audit
Mauritius	-	Bagasse Utilization Study
Peru	-	Cooking Efficiency
Rwanda	-	Improved Stoves
Senegal	-	Solar Water Heating
Sri Lanka	-	Transport Sector Energy Efficiency
Sudan	-	Solar Water Heating
Uganda	-	Tobacco Industry Energy Efficiency
Uganda	-	Power Efficiency Audit
Uganda	-	Fuelwood Project Feasibility
Uganda	-	Rural Industry Efficiency Project
Zimbabwe	-	Industrial Energy Conservation

FY86 Starts to be determined but could include the following which have been identified as candidates:

Botswana	-	Energy Audit
Haiti	-	Solar Water Heating Project
Haiti	-	Industrial Energy Conservation
Haiti	-	Solar Crop Drying
Indonesia	-	Energy Conservation in Brickmaking Industry
Indonesia	-	Gasification Study
Ivory Coast	-	Briquetting Project
Kenya	-	Tea Drying Industry
Kenya	-	Solar Water Heating Project
Niger	-	Improved Stoves Project
Portugal	-	Energy Conservation in Transport Sector
Rwanda	-	Improved Kilns Project
Tanzania	-	Fuelwood Study
Uganda	-	Industrial Energy Audit

3. Institutional/Policy Support

FY85 Starts

(7)

Botswana	-	Electricity Connection Policy
Burundi	-	Petroleum Supply Strategy
Paraguay	-	Preparation of Priority Technical Assistance
Senegal	-	Preparatory Assistance for Donors Meeting
South Pacific	-	Petroleum Supply Study
Zimbabwe	-	Petroleum Supply Management
Zimbabwe	-	Power Sector Management

ESMAP FY86 RESOURCE REQUIREMENTS

	FY85 Starts FY86 Completions		FY86 Starts FY86 Completions		FY86 Starts FY87 Completions	
	NO	SW	NO	SW	NO	SW
Energy Assess- ment Status Reports	5	20 8	64	6	24	
Preinvestment Activities	22	352	7	224	25	400
Institutional/ Policy Support	<u>7</u> 34	<u>98</u> 470	<u>5</u> 20	<u>140</u> 428	<u>7</u> 38	<u>98</u> 522
<hr/>						
Total Task Specific	1420					
<hr/>						
<u>Non Task Specific</u>						
<hr/>						
Managing Follow-up in 30 countries @ 3 SW/Country	90					
Program Management and Review			<u>100</u>			
TOTAL	1610					

NOTES:

- a/ Average Unit Cost of EASR's is 8 SW.
- b/ Average Unit Cost of Preinvestment Activities is 32 SW of which 20 SW would be for consultants.
- c/ Average Unit Cost of Institutional/Policy Support Activities is 28 SW of which 16 SW is for consultants.
- d/ Carry over operations are costed at half the total in each year.

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MR. HENRY M. CRUZ, DIRECTOR OF COMMERCE, GUAM. RE: SOUTH PACIFIC
PETROLEUM SUPPLY STUDY. RE: YOUR REQUEST FOR THE INCLUSION OF
GUAM IN THE SOUTH PACIFIC PETROLEUM SUPPLY STUDY, WOULD LIKE TO
INFORM YOU THAT DUE TO OPERATIONAL CONSTRAINTS, THE MISSION WILL
BE UNABLE TO VISIT GUAM. HOWEVER, WE EXPECT THAT THE PETROLEUM
SUPPLY MODEL, WHICH THE STUDY PROPOSES TO DEVELOP, WILL BE ABLE TO
ANALYSE THE EFFECTS OF INCLUDING NEW DEMAND CENTERS INTO THE
ARRANGEMENT RECOMMENDED BY THE MISSION. BEST REGARDS. MASOOD
AHMED, DEPUTY DIVISION CHIEF, ENERGY ASSESSMENTS DEVISION, ENERGY
DEPARTMENT, WORLD BANK

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CLASS OF SERVICE: TELEX

TELEX NO.: 6160 BOOTH GM

DATE: 04/18/85

SUBJECT:
ESMAP: South Pacific Petroleum SupplyDRAFTED BY:
SPivera:jmmEXTENSION:
74546

CLEARANCES AND COPY DISTRIBUTION:

cc: Messrs. Bates, McCarthy, (EGY)
Ms. Farmer, (AEASP)

AUTHORIZED BY (Name and Signature):

Masood Ahmed, Dep. Division Chief, EGYEA
DEPARTMENT
ENERGY

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75014 PARIS, FRANCE

FOR B. MEUNIER, DIRECTOR. REURTELEX APRIL 15 TO

GOBENA RE UNDP PROJECT INT/83/005. OUR CHECK FOR USDOLLARS

9,000 AS FIRST INSTALLMENT FOR SERVICES OF MESSRS. MADON AND

MATLY PER OUR LETTER OF MARCH 1, 1985, AIRMAILED TO YOU

TODAY. I APOLOGIZE FOR THE DELAY. REGARDS, LAU,

CHIEF, UNDP/TRUST FUNDS SECTION, LOAN DEPARTMENT,

INTBAFRAD

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CLASS OF SERVICE: TELEX

TELEX NO.:

DATE: 04/18/85

SUBJECT:
File: INT/83/005DRAFTED BY:
RRetiro/lthEXTENSION:
69409

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cc: Mr. T. Gobena, PMD(I2-124)

AUTHORIZED BY (Name and Signature):

Kah Hie Lau

DEPARTMENT:

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INT/83/005
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UNITED NATIONS DEVELOPMENT PROGRAMME

BUDGET REVISION

Country: Interregional
Project Title: Energy Sector Management Assistance Programme.
Project Number: INT/83/005/C/73/042


The purpose of this budget revision is to reflect actual expenditures for CY1983 and to incorporate into the CY1984 budget a cost-sharing contribution of US\$700,000 from the International Bank for Reconstruction and Development for Energy Sector Management Assistance Programme activities as agreed between the UNDP and the Bank.

Previous Input (Budget Revision "B")	US\$3,916,942
Revised Input (Budget Revision "C")	US\$4,616,942
Total Increase in Input	US\$ 700,000

Agreed on behalf of the Executing Agency
Yves Rovani
Director, Energy Department
Energy and Industry Staff
World Bank

April 17, 1984

Date


Agreed on behalf of UNDP
William Mashler, Senior Director
Division for Global and Interregional Projects
United Nations Development Programme

31/5/84
Date

Agreed on behalf of the Energy Account, UNDP
A. B. Harland, Deputy Assistant Administrator
Energy Office

Date

PROJECT BUDGET COVERING THE UNDP CONTRIBUTIONS (IN U.S. DOLLARS)

Country : Interregional
 Number : INT/83/005/C/73/42
 Title : Energy Sector Management Assistance Programme

		ACTUALS		ESTIMATED		ESTIMATED			
		S/M	TOTAL	S/M	CY83	S/M	CY84	S/M	CY85
10.0 Personnel									
11.1	Energy Expert	24	168,500	-	-	12	80,000	12	88,500
11.2	Energy Expert	30	195,800	6	27,300	12	80,000	12	88,500
11.3	Energy Expert	27	182,150	3	13,650	12	80,000	12	88,500
11.5	Energy Expert	24	168,500	0	-	12	80,000	12	88,500
11.6	Program Mgmt. (a)	24	168,500	-	0	12	80,000	12	88,500
11.4	Consultants	193	2,507,480	35	450,838	58	757,350	100	1,299,292
<hr/>									
11.99	Component Total	322	3,390,930	44	491,788	118	1,157,350	160	1,741,792
<hr/>									
13.0 Administration									
13.1	Admin. Officer (b)	24	74,000	0	-	12	36,000	12	38,000
13.2	Researcher	30	96,961	6	14,961	12	40,000	12	42,000
13.3	Researcher	30	96,961	6	14,961	12	40,000	12	42,000
13.4	Researcher	30	96,961	6	14,961	12	40,000	12	42,000
13.5	Researcher	24	82,000	0	0	12	40,000	12	42,000
13.6	Secretary (a)	24	47,000	0	0	12	23,000	12	24,000
13.7	Secretary	24	47,000	0	0	12	23,000	12	24,000
13.8	Secretary	24	47,000	0	0	12	23,000	12	24,000
13.9	Secretary	24	47,000	0	0	12	23,000	12	24,000
13.10	Secretary	24	47,000	0	0	12	23,000	12	24,000
15.0	Travel	-	296,305		26,305		130,000		140,000
16.0	Mission Costs	-	130,000		-		60,000		70,000
<hr/>									
19.00	Component Total	258	1,108,188	18	71,188	120	501,000	120	536,000
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40.0 Equipment									
40.42	Non Expendable	-	71,624		1,624		25,000		45,000
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49.00	Component Total	-	71,624	-	1,624	-	25,000	-	45,000
<hr/>									
50.0 Miscellaneous									
50.52	Reports	-	27,000		-		12,000		15,000
50.53	Sundry	-	19,200		1,037		8,163		10,000
<hr/>									
59.00	Component Total	-	46,200	-	1,037	-	20,163	-	25,000
<hr/>									
99	Project Total	580	4,616,942	62	565,637	238	1,703,513	280	2,347,792
<hr/>									
101.	Cost Sharing from IBRD	0	700,000		0		700,000		0
<hr/>									
103.	Total UNDP Cont.	0	3,916,942		565,637		1,003,513		2,347,792

a/ These posts will be based initially at UNDP Headquarters in New York.

b/ 50% of estimated costs; remainder will be provided under the ongoing Energy Assessment Program.

May 24, 1984

RPOwen:mw

(REVPROJIII)p.1

OFFICE MEMORANDUM

DATE: April 16, 1985

TO: Files

FROM: Masood Ahmed, Deputy Chief, EGYEA

SUBJECT: Clearance of ESMAP Reports in East Africa

1. Mr. Mabouche called today to clear the following ESMAP reports on behalf of the East Africa Region:

- (a) Burundi - Preparation of Projects for Donors Roundtable (cleared for Blue Cover distribution);
- (b) Zimbabwe - Power Sector Management Assistance Project (cleared for Blue Cover distribution);
- (c) Zambia - Energy Assessment Status Report (cleared for Green Cover distribution, subject to incorporation of minor comments from Mr. Hansen, Programs Division);
- (d) Burundi - Improved Charcoal Stoves. Cleared for Green Cover subject to receipt of formal clearance from ESPEG, for which he will follow up with Messrs. Schramm/Newcombe.

cc: Messrs. Mabouche (ESNVP);
King, Broadfield, Armar, Floor/Leitman (EGYEA)

MAhmed:aaf.



Record Removal Notice

File Title UNDP - INT/83/005 - Energy Sector Management Assistance Programme [ESMAP] - Correspondence - 1984/1986 - Volume 2		Barcode No. 30189792		
Document Date April 15, 1985	Document Type Telex			
Correspondents / Participants To: Wanis Semerdjian From: I. Korolevich, Kah Hie Lau				
Subject / Title INT/83/005 [Payment details]				
Exception(s) Financial Information iv				
Additional Comments		<p>The item(s) identified above has/have been removed in accordance with The World Bank Policy on Access to Information or other disclosure policies of the World Bank Group.</p> <table border="1"><tr><td>Withdrawn by Kim Brenner-Delp</td><td>Date Nov. 3 2022</td></tr></table>	Withdrawn by Kim Brenner-Delp	Date Nov. 3 2022
Withdrawn by Kim Brenner-Delp	Date Nov. 3 2022			

ZCZC EASF7837 JWS0812
EGYEA AEAIN
REF : TCP FCA

F-338

JWS0812 JQZ977 IN 15/08:31 OUT 15/08:37
OSLO, APRIL 15, 1985.

TO: THE WORLD BANK, ENERGY DEPARTMENT
ATTN: ALFRED GULSTONE, MATTEW MITCHELL, MIGUEL BACHRACH
RE: INDONESIA, ESMAP-MISSION

I HAVE TRIED SEVERAL TIMES BEFORE AND AFTER EASTER TO GET IN CONTACT WITH ONE OF YOU ON TELEPHONE. BECAUSE OF THE TIME DIFFERENCE AND THE FACT THAT YOU ARE BUSY PEOPLE I HAVE NOT SUCCEEDED. I TRIED TO CALL YOU BECAUSE I WANTED TO CHECK THAT MY LETTER OF MARCH 5, ADRESSED TO AL GULSTONE HAS BEEN RECEIVED. THE MOST IMPORTANT ENCLOSURES TO THE LETTER WERE THE CONTRACT SIGNED BY ME, TIMESHEETS, REQUEST FOR PAYMENT, STATEMENT OF EXPENSES AND NOT FORGETTING A CHECK OF USD 1716,34 TO THE BANK ON EXCESS ADVANCE MONEY. I HOPE THE LETTER HAS BEEN RECEIVED AND THAT THE VARIOUS ENCLOSURES HAVE BEEN DISTRIBUTED TO THE RIGHT PERSONS WITHIN THE BANK. MOREOVER, I ALSO HOPE THAT MY FEE WILL BE TRANSFERRED BEFORE THE RATE OF USD DECREASES TOO MUCH.---

I WISH YOU GOOD LUCK WITH THE COMPLETION OF THE REPORT AND HOPE THAT YOUR WORK IS PROCEEDING SATISFACTORILY. I APPRECIATED WORKING FOR YOU. THEREFORE DO NOT HESITATE TO CONTACT ME AT ANY TIME IF MY CONTRIBUTION MIGHT BE OF ANY VALUE.

KIND REGARDS
IVAR GLENDE
71511 TH N

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--POSSIBLE DUPLICATE--

NNNN

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BOOK OF FIVE:

1.

MR. L.O.J. KERUJIK
PERMANENT SECRETARY
MINISTRY OF POWER, POSTS AND TELECOMMUNICATIONS
KAMPALA, UGANDA
TELEX NO. 61098

973

VIA IBRD

2.

MR. A. VON MALLINCKRODT
RESIDENT REPRESENTATIVE
UNDEVPRO
KAMPALA, UGANDA

61255

VIA IBRD

3.

MR. J. OKUNE (FOR INFORMATION)
PERMANENT SECRETARY
MINISTRY OF PLANNING AND ECONOMIC DEVELOPMENT
KAMPALA, UGANDA
TELEX NO. 61117

VIA IBRD

4.

MR. A. ONGOM (FOR INFORMATION)
MANAGING DIRECTOR
NATIONAL TOBACCO CORP./BRITISH AMERICAN
TOBACCO COMP. JOINT VENTURE
KAMPALA, UGANDA

VIA IBRD

5.

MS. H. GORIS (FOR INFORMATION)
RESIDENT REPRESENTATIVE
INTBAFRAD
KAMPALA, UGANDA

IBROKAM M21

(VIA CAPE/BK)

97361388

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4/11/85

SUBJECT:

DRAFTED BY:

EXTENSION:

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DEPARTMENT:

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MR. L. O. J. KERUIK, PERMANENT SECRETARY, MINISTRY OF POWER,
POSTS AND TELECOMMUNICATIONS AND MR. VON MALLINCKRODT, RES.
REP. UNDP, KAMPALA, UGANDA. COPY TO MR. J. OKUNE, PERMANENT
SECRETARY, MINISTRY OF PLANNING AND ECONOMIC DEVELOPMENT; MR.
A. ONGOM, MANAGING DIRECTOR, NATIONAL TOBACCO COPR./BRITISH
AMERICAN TOBACCO COMP. JOINT VENTURE; RES. REP. INTBAFRAD,
KAMPALA. RE. ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM
(ESMAP): ENERGY EFFICIENCY IN TOBACCO CURING AND BRICK AND
TILE PRODUCTION INDUSTRIES. PLEASE REFER TO OUR TELEX OF
MARCH 22, 1985. (AAA) THE DRAFT UNDP PROJECT DOCUMENT UGA
85/003 ENTITLED ENERGY EFFICIENCY IN TOBACCO CURING AND BRICK
AND TILE PRODUCTION INDUSTRIES HAS BEEN APPROVED BY THE
BANK'S MANAGEMENT. (BBB) COPIES OF THE DOCUMENT TOGETHER WITH
A COVERING NOTE WERE DISPATCHED BY POUCH TO THE WORLD BANK
OFFICE, KAMPALA, ON APRIL 11 FOR DISTRIBUTION TO CONCERNED
AGENCIES FOR REVIEW AND FURTHER PROCESSING. (CCC) IF
REQUIRED, ESMAP STAFF WOULD BE PREPARED TO VISIT KAMPALA TO
CLARIFY ANY OUTSTANDING ISSUES RELATED TO THE UNDP PROJECT
DOCUMENT AND PROJECT PREPARATION. BEST REGARDS, MASOOD AHMED,
DEPUTY DIVISION CHIEF, ENERGY ASSESSMENTS DIVISION, ENERGY

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OF
TEXT

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INFORMATION BELOW NOT TO BE TRANSMITTED

CLASS OF SERVICE:	TELEX	TELEX NO.:	DATE:	April 11, 1985
SUBJECT:	ESMAP: Energy Efficiency in Tobacco Curing & Brick & Tile Prod. Industries		DRAFTED BY:	B. Frueh
CLEARANCES AND COPY DISTRIBUTION:		AUTHORIZED BY (Name and Signature):		EXTENSION:
cc&cw: Mr. Besant-Jones (ESPEG)		Masood Ahmed, Deputy Div. Chief, EGYEA		74688
cc: Ms. Valad (EAIKU)		DEPARTMENT:		
cc: Mr. Alahdad (EGYEA)		Energy		
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DEPARTMENT, WORLD BANK, WASHINGTON

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CLASS OF SERVICE:

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Record Removal Notice

File Title UNDP - INT/83/005 - Energy Sector Management Assistance Programme [ESMAP] - Correspondence - 1984/1986 - Volume 2		Barcode No. 30189792		
Document Date April 10, 1985	Document Type Memorandum			
Correspondents / Participants To: Distribution list From: Masood Ahmed, Deputy Chief EGYEA				
Subject / Title Togo - ESMAP - Activity Initiation Brief Nangbeto Reservoir Clearing and Wood Recovery				
Exception(s) Personal Information				
Additional Comments		<p>The item(s) identified above has/have been removed in accordance with The World Bank Policy on Access to Information or other disclosure policies of the World Bank Group.</p> <table border="1"><tr><td>Withdrawn by Kim Brenner-Delp</td><td>Date Nov. 3 2022</td></tr></table>	Withdrawn by Kim Brenner-Delp	Date Nov. 3 2022
Withdrawn by Kim Brenner-Delp	Date Nov. 3 2022			

Proposed Terms of Reference

1. You will visit Togo from April 18 through May 3, 1985 to examine alternative means of recovering the wood that will be cut in the area of the Nangbeto reservoir associated with the Togo/Benin hydropower project.

2. The filling of the Nangbeto reservoir (scheduled for June 1987) entails the deforestation of some 8,000 has. of wooded savannahs, some 2,000 of wooded fallow land, and 300 has. of gallery forests. The firms Electrowatt and Sogreah were commissioned to determine practical methods for carrying out the task of deforestation, as well as estimating the costs of recovery, assuming maximum. Their report, contained in a technical note dated December 1984, and their recommended Terms of Reference (dated November 1984) were forwarded to the Bank by the Communauté Electrique du Bénin on March 12, 1984 (reference 354/CED/DPN/RR/GAM).

3. For your information, we attach copies of the aforementioned documents as well as a copies of the Energy Assessments of Togo and Benin.

4. The main objective of your mission is to evaluate the feasibility of the proposed operations, and, if considered necessary, to recommend new approaches to achieve maximum economic recovery of wood, within the time frame available (27 months). The experience you acquired with deforestation work for SODEFOR in the Ivory Coast should guide you in this assignment.

5. The work/tasks to be carried out before inundation include the following:

- (a) organization of the deforestation activity in the gallery forests: this includes opening access routes, cutting, transport, treatment, storage and sale of service and industrial wood.

- (b) organization of the deforestation of wooded savannahs and fallows, which are estimated to contain some 600,000 steres of wood that can yield about 36,000 steres of charcoal. This task implies knocking down trees, sawing them up, carbonization, sacking, transport, storage and sale of wood and charcoal.

6. In view of the magnitude of work that has to be completed before the flooding of the reservoir area, it is doubtful whether the objectives outlined by Electrowatt/Sogreah can be achieved. Therefore we consider it essential that the recommendations advanced by these consultants be reviewed as soon as possible. In the context of a realistic assessment of local capabilities and in agreement with the Togolese authorities, you are requested to outline a practical operational plan, defining in detail each of the tasks that can realistically be expected to be executed in the time framework.

7. You are also requested to convey to the Togolese responsible for the project, that it might be necessary to accept, in some places, burning part of the wood cut. From the financial and economic point of view, burning can be a more reasonable measure than setting-up difficult, costly, and uncertain operations.

8. Upon arrival in Lome you are requested to establish contact with: a) The resident representative of the World Bank who will introduce you to the Communaute Electrique du Benin, which is the institution responsible for the Nangbeto project; b) All officials and services that have interest in the operation; and c) Representatives of the woodcutters, charcoal makers, transporters, sponsors, wholesalers and retailers of forestry products.

You will keep regular contact with the representative of the Bank in Lome. You will also keep him advised of the progress of your work. We would also like to invite you to contact us by telephone or telex whenever you need advice.

9. As preparatory work for your mission, we suggest that you contact Jean Morel, Consultant to the Bank and former technical advisor to ORPF in Bamako, who has ample experience in the deforestation of wooded savannahs by chains. Also, we suggest consulting the charcoal specialists of CTFT in Nogent-sur-Marne.

10. Immediately after your arrival you should also contact Mr. Jacques Plan, forester in charge of the FAC/CCCE AFRI. project. It has been agreed that Mr. Plan will give you his views on the deforestation project of the Nangbeto reservoir. If you consider it necessary, Mr. Plan can be used for brief periods as a consultant. The Bank's resident representative will serve as a liaison with headquarters if this is necessary.

11. After returning to France you will prepare a Back to Office Report (BTOR) sketching out your recommendations. This report should be sent to us the week following your return. In addition, you will prepare a more detailed report which should reach us before June 14th.

UWeimper:na

OFFICE MEMORANDUM

DATE: April 10, 1985

TO: Mr. Masood Ahmed, Deputy Chief, EGYEA

FROM: J. Boroumand, EGYEA

EXTENSION: 75256

SUBJECT: Draft Table on Breakdown of Staffweeks Used in ESMAP Activities

1. Please find attached as Table 1 the data you have requested on staffweeks (SW) used in ESMAP activities, for FY84 and FY85 broken down according to the four ESMAP activities: project formulation and justification; institutional and policy support; energy assessment status report; and general activities. Table 1 indicates a clear shift, from FY84 to FY85, towards more project formulation and justification activities which account for more than 40% of total SW used under ESMAP.

2. Following is a brief explanation on the sources used to compile Table 1. The required information on staffweeks could not be extracted from the available records and computer printouts. I had to ask Margaret Walsh and Mehdi Roustayi to access PRD files through FOCUS and the final printout which gives SW by project code is attached as Annex 1. The listing and breakdown of ESMAP activities are from the Quarterly Information Brief, March 1, 1985, which is attached as Annex 2. There are seven projects that appear in the listing from the Quarterly Information Brief but do not appear in the print out of PBD data files. They are listed in Annex 3. There are nine projects that PBD data files show SW recorded against them, but do not appear in the list from the Quarterly Information Brief. These are listed in Annex 4.

3. As for projects in Annex 3, they seem to be fairly recent projects and a computer check of divisional data files indicated that for some a very small SW (less than 1 SW) is recorded. There is no project code for Indonesia: Preventive Maintenance and it was dropped from the list in Annex 2. As for projects in Annex 4, the Indonesia project with the fairly large 34.4 SW was added to the list from the Quarterly Information Brief, Annex 2. The other projects in Annex 4 have fairly small SW and there seems to be a variety of reasons as to why they are not reported in the Quarterly Information Brief. For example, the Costa Rica Status Report (6COSGGOT1) with 7.2 SW was done before the start of the ESMAP program.

4. Finally, comparison of the total SW in Table 1 and the printout in Annex 1 indicates that figures for FY84 do match, but for FY85, Table 1 shows 20 SW less than the print out in Annex 1 because of the discrepancies mentioned above. However, the difference is only about 3%.

Attachments

cc: Mr. R. Bates (EGYEA)

JBoroumand:tla

THE WORLD BANK INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

INT/83/005
UNI-Energy Sector
cc F338

DATE: April 3, 1985
TO: Distribution
FROM: Masood Ahmed, Deputy Division Chief, EGYEA
SUBJECT: ESMAP: Nigeria



1. A report "Nigeria: Issues and Options in the Energy Sector" was published under the UNDP/World Bank Energy Sector Assessment Program in August, 1983. It identified the key policy issues in the energy sector facing the Nigerian authorities and recommended a related program of action.

2. Under the Energy Sector Management Assistance Program (ESMAP), it is our practice to follow-up each Assessment after one to two years by preparing an Energy Assessment Status Report. This briefly reviews new developments in the energy sector and progress in implementing the Assessment recommendations and outlines a recommended technical assistance program, some of which is appropriate for execution under ESMAP. A sample of the Status Report for Uganda is attached for your information.

3. In the case of Nigeria, our initial desk work and informal discussions with project staff leave us uncertain as to whether a status exercise would be productive at this time and what the major focus of such an exercise should be. Francois Bauer and I therefore thought it would be useful to hold a brief planning meeting with concerned staff in his office (D913) on Tuesday, April 9 at 11:00 a.m. to decide on a plan of action.

4. Among the issues we wish to assess at that meeting are:

- 1) Would the Nigerian government be receptive at this time to a Status Mission and development of an ESMAP energy sector technical assistance/pre-investment program?
- 2) In what areas are there unmet needs for technical assistance/pre-investment analysis in the Nigerian energy sector? Do these needs match ESMAP skills and operating methods?
- 3) Would the implementation of an ESMAP technical assistance program result in substantial progress in tackling some of Nigeria's major energy sector issues?

5. I would appreciate it if you or your representative could attend.

Distribution:

Messrs: Bauer, Davis, Menezes, Moore, Hvidberg-Hansen (WAP);
Segura, Goldberg, Wijetilleke (IND); Humphrey, Swayze (WAl);
Hume, Sadove, Saunders, Iskander, Dosik, Fish, Heron, Bates (EGY);
Schramm (EAP); Santiago (CFPCP).

RBroadfield:hm

The World Bank

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT
INTERNATIONAL DEVELOPMENT ASSOCIATION

1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

(202) 477-1234
Cable Address: INTBAFRAD
Cable Address: INDEVAS

April 2, 1985

cc F-338
cc SE - Indus Energy Consent.

Mr. Franz Kaps
Resident Representative
The World Bank
Dakar, Senegal

Dear Mr. Kaps:

m/a
Please find enclosed four copies of the draft blue cover version of the Industrial Energy Conservation Report. The green cover of this report had been cleared by the Government on February 15, 1985 during Mr. Willem Floor's mission. It had been agreed, however, that the Government would be given the opportunity to review the report once more in view of the changes made in the text. Mr. Floor will be in Senegal from April 13 to 16, 1985 to get Government's clearance. I would appreciate it therefore if you would distribute the copies to Mr. Saloume Cisse, Directeur de l'Energie of the MDIA and inform him about Mr. Floor's visit.

m/a
Also please find enclosed the TOR for the Institutional Environment Study (six copies) which apparently were lost when we sent them to you on March 19, 1985. For completeness' sake I also have enclosed a copy of the TOR of the NOEC consultant as well as the French annexes to that document.

Yours sincerely,

Masood Ahmed

Masood Ahmed
Deputy Division Chief
Energy Assessments Division
Energy Department

Attachments

THE WORLD BANK INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

INT/83/005

DATE: April 2, 1985

TO: Distribution

FROM: *RS* Robin Yates, Acting Chief, EGYEA

SUBJECT: Quarterly Information Brief

1. I am attaching for your information the latest Quarterly Information Brief issued as of March 1, 1985 on the joint UNDP/World Bank Energy Sector Assessment Program and the Energy Sector Management Assistance Program (ESMAP). Additional copies may be obtained from Angelica on Ext. 73996.

Distribution:

Messrs. Dherse, Weissman, Ludvik (EISVP);
Bouhaouala, Bauer, Menezes (WAP);
Bronfman, Christoffersen, Loh, Wackman (EAP);
Dewey, Reekie (EMP);
Jennings, Linder, Moscote, Dabbagh (LCP);
Turnham, Blaxall, Davar, Nayyar (AEP);
Geli, Brandreth, Holsen, Nowicki (ASP);
Golan, Kohli, Segura, Rowat, Dervis, Gamba, Barrientos (IND);
Richardson (IFC); Spears (AGR);, Bennathan (TRP); Jansen (PBD);
Warford (PHN); Raphaeli (PPD); Burney, Riley (IRD);
de Azcarate, Dubey, Edelman, Kavalsky, Choksi (CPD);
Malone, O'Leary (EDI);
Callejas (OED); Lopez (PMD);
Harland, Rothermel, Cox (UNDP, New York);
Bazin (New York); Chatenay (Switzerland); Pollan (IFC, London);
All Regional Program Coordinators;
All Program Division Chiefs;
EGY Senior Staff;
EGYEA Staff

Mesdames: Leach (WAP); Haug (IND); Johansen (TRP); Lele (DRD)

/aaf



UNDP/World Bank

Energy Sector Assessment Program

Energy Sector Management Assistance Program

Quarterly Information Brief
March 1, 1985

- Current Activities and Opportunities for Consultants
- Cofinancing Opportunities in Pre-investment Work
- Project Financing Opportunities
- Status of Funding

**THE JOINT UNDP/WORLD BANK ENERGY SECTOR ASSESSMENT PROGRAMME
AND ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAMME (ESMAP)**

Quarterly Information Brief

Introduction

The purpose of this Quarterly Information Brief is to inform recipient countries, donor agencies, potential investors, equipment suppliers and consultant firms of current and planned activities under these two UNDP/World Bank Energy Sector programmes as well as the status of funding for these programmes.

The Brief is divided into seven parts:

	<u>Page</u>
- Part I provides an overview of the objectives and coverage of the two programmes, and the opportunities for consultant participation in their execution;	1
- Part II lists the countries where energy sector assessment reports have been completed or are under preparation and where assessment missions are planned in the next six months;	4
- Part III is a summary listing of completed, on-going or planned ESMAP activities;	5
- Part IV gives a brief description of the opportunities for cofinancing pre-investment activities to be managed by ESMAP staff; these activities, which are high priority feasibility studies or pilot projects, cost between US\$100,000 and US\$500,000;	11
- Part V provides a brief description and status of various ongoing and planned pre-investment and institutional/policy activities under ESMAP. All these activities cost under US\$100,000, and ESMAP management is prepared to consider cofinancing offers provided that processing such offers does not delay implementation;	16
- Part VI lists investment projects for which the pre-investment work has been completed under the ESMAP and for which finance is being sought. ESMAP staff can brief potential investors/donors on these projects and assist in contacting the relevant officials in the country; they can also become further involved in the implementation of these projects if so requested by the government and the financing agency involved;	25
- Part VII sets out the current status of funding for both programmes.	30

Further information on activities under these programmes can be obtained by writing to:

Energy Assessments Division
Energy Department
The World Bank
Washington, D.C. 20433
U.S.A.

by telexing the Energy Assessments Division on

WUI 64145 WORLDBANK or
RCA 248423 WORLDBK
(Cable address: INTBAFRAD, Washington, D.C.)

or by telephoning

U.S.A. (202) 477-2781

OVERVIEW OF PROGRAMMES

The Joint UNDP/World Bank Energy Sector Assessment Programme was started in November 1980. It produces reports for governments and donor agencies diagnosing the most serious energy problems faced by individual developing countries and evaluating the options for alleviating these problems. The Programme is expected to cover 70 countries; so far 39 assessments have been completed and a further 31 are in progress. These assessments:

- analyze the scope for changes in pricing, institutional arrangements and other policies to encourage economically profitable production from indigenous energy sources, fuel substitution and more efficient energy use;
- assess the investment priorities in the energy sector and energy subsectors; and
- provide a framework for official and private assistance to the sector.

Once a request has been received from the government of the developing country, a reconnaissance mission visits the country to confirm the government's commitment to the assessment and to reach agreement on the priority issues to be covered. A few weeks later, the main assessment mission departs and works in the country in close consultation with country officials. A draft report is prepared during the following months and is sent to the country for review by the government after which there is a visit by the mission leader to finalize the report. The final report is distributed to the government and the Executive Directors of the World Bank and is available to members of the UNDP Governing Council and bilateral and multilateral agencies dealing with energy.

The Joint UNDP/World Bank Energy Sector Management Assistance Programme (ESMAP), started in April 1983, assists countries in implementing the main investment and policy recommendations of the Energy Sector Assessment Reports. ESMAP provides staff and consultant assistance in formulating and justifying priority pre-investment and investment activities and in providing management, institutional and policy support. The reports produced under this Programme provide governments, donors and potential investors with the information needed to speed up project preparation and implementation. ESMAP activities can be classified broadly into three groups:

- Energy Assessment Status Reports: these evaluate achievements in the year following issuance of the original assessment report and point out where urgent action is still needed;
- Project Formulation and Justification: work designed to accelerate the preparation and implementation of investment projects; and
- Institutional and Policy Support: this work frequently leads to the identification of technical assistance packages.

Since its inception, the ESMAP has been active in about 36 countries; 31 pre-investment or other technical assistance activities have been completed and an additional 61 are in varying stages of preparation. Completed reports have the same distribution as for assessment reports and are also available to potential investors.

Opportunities for Individual Consultants

While all activities under the Energy Sector Assessment Programme and ESMAP are managed by in-house staff at the World Bank, opportunities for the employment of individual consultants exist in both programmes.

In the Energy Sector Assessment Programme, the main opportunity for individual consultants to become involved is at the time of the main assessment mission. This mission is usually managed by a staff member of the Energy Assessments Division of the World Bank and comprises a mix of in-house staff and consultant experts whose number depends on the size and complexity of the country, the number and types of issues to be addressed and the amount of information available. A typical assessment mission might consist of seven persons, of which the mission leader and two mission members would be from the World Bank and four mission members would be individual consultants. The energy assessment work is not subcontracted out to consultant firms. Most of the individual consultants are hired for a period of six to eight weeks, comprising a briefing of one week in Washington, D.C., three to four weeks on the mission in the developing country, and two to three weeks for writing their report.

In the ESMAP, consultant employment opportunities are more varied in keeping with the more diverse mix of activities undertaken through this Programme. Typically, the Energy Assessment Status Reports are prepared by staff missions while one or more consultants participate in the other pre-investment or institutional/policy support activities. The duration of assignments is generally somewhat longer than for an assessment mission -- about 10-12 weeks, as much as half of which could be spent in the field. As with the Assessments, ESMAP activities are not contracted out in their entirety to consulting firms; however, for some of the larger ESMAP activities, firms can be considered for a major part of the project's execution.

Selection of consultants for both programmes is based not only on a demonstrably high degree of professional and technical competence but also on the ability to work with developing country officials at both the technical and policy level and to communicate results and recommendations effectively in both oral and written form. Consultants are selected by the World Bank's Energy Assessments Division with the approval of the recipient government. Consultants who wish to be considered for these assignments should send their resume for evaluation to this Division. After this evaluation they will be informed of the possibilities for employment and may also be asked to meet one or more members of the Energy Assessments Division at a convenient time. Consultants receive a full travel and subsistence allowance in addition to a daily fee which is determined by the Personnel Department of the World Bank.

Part II

THE ENERGY SECTOR ASSESSMENT PROGRAMME

Reports Completed	Date	Main Mission Completed	Reconnaissance Mission Completed or Planned in Next Six Months
Bangladesh	10/82	Benin	Antigua
Bolivia	04/83	Burkina	Argentina <u>a/</u>
Botswana	08/84	Burma	Comoros
Burundi	06/82	Ecuador	Congo
Cape Verde	08/84	Ivory Coast	Djibouti
Costa Rica	01/84	Jamaica	Dominican Republic
Ethiopia	07/84	Madagascar	Ghana
Fiji	06/83	Mauritania	Grenada
Gambia	11/83	Sao Tome & Principe	Guinea
Guinea Bissau	08/84	Somalia	Mali
Haiti	06/82	Syria	Mozambique
Indonesia	11/81	Thailand	Sierra Leone
Kenya	05/82	Trinidad & Tobago	St. Kitts
Lesotho	01/84	Togo	Swaziland
Liberia	12/84	Tonga	
Malawi	08/82	Vanuatu	
Mauritius	12/81	Western Samoa	
Morocco	03/83	Zaire	
Nepal	08/83		
Niger	05/84		
Nigeria	08/83		
Papua New Guinea	06/82		
Paraguay	10/84		
Peru	01/84		
Portugal	04/84		
Rwanda	06/82		
Senegal	07/83		
Seychelles	01/84		
Solomon Islands	06/83		
Sri Lanka	05/82		
St. Lucia	09/84		
St. Vincent	09/84		
Sudan	07/83		
Tanzania	11/84		
Turkey	03/83		
Uganda	03/83		
Yemen Arab Republic	12/84		
Zambia	01/82		
Zimbabwe	06/82		
Total	39	18	13
Cumulative	(39)	(57)	(70)

a/ Further work postponed indefinitely at request of Government.

Part III

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAMME

**Summary of
Completed and Current
Activities**

	Completed	Current	Total
<u>Energy Assessment Status Reports</u>	<u>14</u>	<u>8</u>	<u>22</u>
<u>Project Formulation and Justification</u>	<u>9</u>	<u>41</u>	<u>50</u>
Electric Power Subsector	7	8	15
Energy Efficiency	1	12	13
- Large Industry	(0)	(7)	(7)
- Rural Industry	(1)	(4)	(5)
- Transport	(0)	(1)	(1)
Fuel Substitution	0	2	2
Renewables/Biomass	1	19	20
- Solar Applications	(1)	(6)	(7)
- Stoves/Kilns	(0)	(7)	(7)
- Woodfuel Plantations	(0)	(3)	(3)
- Other	(0)	(3)	(3)
<u>Institutional and Policy Support</u>	<u>8</u>	<u>12</u>	<u>20</u>
Assistance to Energy Institutions	6	4	10
Preparation of Investment/TA Programmes	1	3	4
Aid Coordination	0	2	2
Petroleum Product Supply Arrangements	1	3	4
<u>Total</u>	<u>31</u>	<u>61</u>	<u>92</u>

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAMME

Activity Status
as of
March 1, 1985

Country	Project	Report a/ Completed	Work in Progress	Work to start in next 3 Months	Technical Assistance or Investment Follow-up Identified
<u>Project Formulation and Justification</u>					
Bangladesh	Power System Efficiency Study	X			X
Bangladesh	Small Uses of Gas Prefeasibility Study		X		
Botswana	Energy Audit of Public Institutions			X	
Botswana b/	Electrification of Pumps at Waterwells		X		
Burundi	Industrial Use of Peat		X		X
Burundi	Improved Charcoal Stoves		X		X
Ethiopia	Power System Efficiency Audit		X		X
Ethiopia	Power Supply Options for Eresa ICS		X		X
Ethiopia b/	Improved Woodstoves Project		X		
Ethiopia b/	Briquetting of Crop Residues		X		X
Ethiopia	Surplus Bagasse Potential		X		X
Gambia	Solar Water Heating	X			X
Gambia	Solar Photovoltaic Project		X		X
Haiti	Solar Water Heating			X	
Haiti	Industrial Energy Conservation			X	
Haiti	Solar Crop Drying			X	
Indonesia	Efficiency Improvement and Rehabilitation of Hydro Plants		X		X
Indonesia	Efficiency Improvement and Rehabilitation of Thermal Plants		X		X
Indonesia	Preventive Maintenance for Diesel Generation		X		X

Country	Project	Report a/ Completed	Work in Progress	Work to start in next 3 Months	Technical Assistance or Investment Follow-up Identified
<u>Project Formulation and Justification (cont.)</u>					
Indonesia	Strategy for promoting Improved Cookstoves			X	
Indonesia	Energy Conservation in Brick and Tile Industry			X	
Kenya	Power Sector Efficiency Audit	X			X
Kenya b/	Solar Water Heating Project Feasibility			X	
Kenya b/	Coal Conversion Action Plan		X		
Kenya b/	Peri-urban Fuelwood Planta- tions Feasibility		X		
Kenya b/	Energy Efficiency Improvement in Tea Industry			X	
Liberia	Power System Efficiency Audit			X	
Malawi	Preparation of Tobacco Industry Energy Efficiency Programme	X			X
Niger b/	Improved Stoves		X		
Panama	Power Sector Efficiency Audit	X			X
Peru	Cooking Efficiency Improvement Programme		X		X
Rwanda	Improved Charcoal Kilns		X		
Rwanda	Improved Charcoal Stoves		X		X
Senegal	Industrial Energy Conserva- tion Programme		X		X
Senegal	Solar Water Heating Market- ing Study			X	
Seychelles	Power Sector Efficiency Audit	X			X
Sri Lanka	Industrial Energy Conservation		X		X
Sri Lanka	Power Sector Efficiency Audit	X			X
Sri Lanka	Transport Energy Conservation		X		X

Country	Project	Report <u>a</u> / Completed	Work in Progress	Work to start in next 3 Months	Technical Assistance or Investment Follow-up Identified
<u>Project Formulation and Justification (cont.)</u>					
Sudan	Power Sector Efficiency Audit	X			X
Sudan	Solar Water Heating Project		X		X
Tanzania	Fuelwood Project			X	
Uganda	Energy Efficiency in Tobacco Curing Industries		X		X
Uganda <u>b</u> /	Tobacco Curing Pilot Project			X	
Uganda <u>b</u> /	Energy Efficiency in Brick and Tile Industries			X	
Uganda	Preliminary Energy Audit		X		
Uganda	Power Sector Efficiency			X	
Uganda <u>b</u> /	Fuelwood/Forestry Project Preparation			X	
Zimbabwe	Power Sector Efficiency Study	X			X
Zimbabwe	Industrial Energy Conserva- tion Programme		X		X
<u>Institutional and Policy Support</u>					
Bangladesh	Priority Investment Programme for Energy	X			X
Botswana	Review of Electricity Service Connection Policy			X	
Burundi	Assistance for Preparing Energy Project Profiles for Donors Conference		X		X
Burundi	Assistance for Petroleum Supply Management	X			X
Burundi	Assistance for Developing Petroleum Exploration Strategy		X		X
Costa Rica	Identification of Technical Assistance Projects	X			X
Gambia	Petroleum Supply Management		X		X

Country	Project	Report a/ Completed	Work in Progress	Work to start in next 3 Months	Technical Assistance or Investment Follow-up Identified
<u>Institutional and Policy Support (cont.)</u>					
Guinea- Bissau b/	Identification of Technical Assistance Projects		X		X
Kenya b/	Power Sector Master Plan			X	
Liberia	Identification of Technical Assistance Projects		X		X
Papua New Guinea	Institutional Review and Identi- fication of Technical Assistance Requirements	X			X
Papua New Guinea	Advice on Electricity Tariffs and Regulations for Auto- Generation	X			
Paraguay	Identification of Technical Assistance Projects		X		X
Senegal	Preparatory Assistance for Donor Meeting			X	
South Pacific	Regional Petroleum Study		X		
Sudan	Management Assistance to the Ministry of Energy and Mining	X			X
Uganda	Institutional Review of the Energy Sector	X			X
Zambia/ Zimbabwe	CAPCO: Support to Bilateral Commission Reviewing Future Role and Functions	X			
Zimbabwe b/	Power Sector Management		X		
Zimbabwe b/	Petroleum Sector Management		X		

Country	Report a/ Completed	Work in Progress	Work to start in next 3 Months	Technical Assistance or Investment Follow-up Identified
<u>Energy Assessment Status Reports</u>				
Bangladesh	X			X
Burundi	X			X
Gambia		X		
Haiti		X		X
Indonesia	X			X
Kenya	X			X
Lesotho			X	
Malawi	X			X
Mauritius	X			X
Morocco		X		
Nepal	X			X
Niger			X	
Nigeria			X	
Papua New Guinea	X			X
Peru		X		
Rwanda	X			X
Senegal	X			X
Sri Lanka	X			X
Sudan	X			X
Uganda	X			X
Zambia		X		
Zimbabwe	X			X

a/ Report and follow-up agreed with Government.

b/ Cofinanced operation.

Part IV

COFINANCING OPPORTUNITIES FOR PRE-INVESTMENT AND TECHNICAL ASSISTANCE

Most ESMAP activities cost under US\$100,000 each and are funded entirely from the programme's own resources. However, a number of larger feasibility studies or pilot projects could be managed by the staff working on ESMAP if cofinancing becomes available.

Cofinance is currently being sought for the following ESMAP pre-investment and technical assistance activities:

Guinea-Bissau: Power Sector Technical Assistance

A mission visited Guinea-Bissau in July 1984 to discuss the draft Energy Assessment Report and review with the Government a number of technical assistance priorities which had been identified in the report. As a result of the discussions, the mission prepared a package of terms of reference for technical assistance projects which have the common objective of strengthening the power sector. An Activity Completion Report will be issued in March 1985. The projects identified (total cost US\$325,000) could be initiated in early 1985 under ESMAP. SIDA has expressed interest in financing the projects.

Kenya: Solar Water Heating Project

Based on the work already done by the Government and donor agencies, this project will evaluate the potential for replacing electrical heaters with solar water heaters in the residential/commercial, industrial and institutional sectors. It will also develop a policy and incentive framework for local production and dissemination of solar water heaters. The project will require about six man-months and is expected to cost US\$80,000. Field work is scheduled for mid-1985.

Kenya: Power Sector Master Plan

This activity will prepare a least cost power sector expansion plan. Cofinancing is being sought from CIDA and the project is expected to cost \$1,000,000. Terms of reference for the study have been drafted and proposals from consulting companies are being invited to reach the Bank by mid-April.

Niger: Improved Urban Cookstoves Project

The objective of this project is to establish a self-sustaining production and marketing system for the dissemination of portable and prefabricated improved woodstoves. The project will build upon the successful experience gained during the development and dissemination of the "Ouaga stove" in Burkina. The project would be implemented in two phases. Phase I will establish the feasibility of the approach and carry out production and marketing on a pilot basis over an eight-month period at a cost of US\$150,000. Work on this phase has just begun. Subject to

the successful evaluation of the first phase, Phase II will expand these efforts on a larger scale over an 18-month period at a cost of US\$350,000. The German Government has agreed to contribute the equivalent of US\$350,000 towards the cost of this project. Additional financing is being sought.

Uganda: Energy Efficiency in Tobacco Curing - Pilot Project

A recent ESMAP activity for identifying efficiency improvement measures in tobacco curing identified a pilot project to demonstrate these measures in modified curing barns. The pilot project is designed for a period of 16 months commencing in May 1985 and costing about US\$150,000. The Government and the UNDP Resident Mission have requested that the project be implemented under ESMAP supervision. Cofinancing of the foreign costs is being sought from the UNDP Country IPF for Uganda. For this purpose, ESMAP staff have prepared a UNDP Project Document which is currently being reviewed within the Bank.

Uganda: Energy Efficiency in Brick and Tile Production Industry

The efficiency of energy utilization in the brick and tile producing industry can be substantially improved. This industry has been identified as one in which there is an urgent need for an energy conservation programme. The activity envisaged will recommend ways to improve energy efficiency focusing mainly on relatively simple and inexpensive energy conservation measures. The work would consist of identifying and evaluating alternative measures, recommending a financially and economically viable programme for testing and demonstrating the measures proposed as well as defining a nationwide dissemination effort. The activity is expected to cost US\$65,000 and will be cofinanced from the UNDP Country IPF for Uganda for which the necessary approvals are being sought. A mission to Uganda is scheduled for June 1985.

* * * *

In addition to the above, cofinancing has already been obtained for the following ESMAP activities:

Botswana: Electrification of Pumps at Waterwells

This activity involves a detailed pre-investment study which will establish the economic viability of retrofitting existing diesel powered pumps (3 to 25 h.p.) at waterwells in Botswana with electric pumps. Currently, some 20 million liters of diesel oil (13% of total petroleum consumption) are used for pumping water in rural areas. On the basis of available information, it appears that it would be practical and cost-effective to retrofit pumps at some 500 waterwells located close to the electricity grid. Some 2.5 million liters of diesel oil will be saved annually, valued at over US\$1.0 million. The project will be implemented in two phases. The first phase is estimated to cost US\$50,000 and will require about 5 man-months of work. An ESMAP mission

is scheduled to visit Botswana in April 1985 to begin work on Phase I. The second phase will expand the project into detailed pre-investment work and is estimated to cost US\$100,000. Financial support for this project will be provided by SIDA (US\$78,000), with the UNDTCD and ESMAP providing the remaining US\$72,000. The UNDTCD will also contribute staff resources to help implement the project.

Ethiopia: Improved Stoves Project

This project will help to establish a self-sustaining improved stoves programme for urban households building upon the existing artisanal capacity for stove production. The first phase of the project is estimated to cost US\$200,000 and to last about 12-15 months. Financial support for this project is being provided by the Netherlands Government (US\$75,000) and the ILO (US\$20,000). The latter is also contributing staff resources to help implement the project which was initiated in October 1984.

Ethiopia: Briquetting of Crop Residues

This activity will (a) review the technical and economic prospects of collecting presently wasted fuel-quality crop residues on Ethiopian State Farms, and (b) design, cost and provide bidding documents for a series of pilot projects covering the collection and densification of these residues into fuel briquettes. The total cost of this exercise is estimated to be US\$180,000, of which US\$92,000 will be provided by the Netherlands Government. The ESMAP mission was fielded in February 1985 and the Activity Completion Report and bidding documents will be issued in mid-1985.

Kenya: Coal Conversion Action Plan

This activity will assist the Government in formulating an overall strategy and action plan for converting to imported coal in electricity generation and the industrial sector. The activity will evaluate the potential market for coal, the infrastructure and handling required to meet this market and the alternative mechanisms for importing, distributing and financing coal supplies. The work is expected to cost US\$500,000 and would be implemented over a 12-month period starting in early 1985. Cofinancing of about US\$400,000 is to be provided by the Australian Government and consultants for the project have already been selected. The activity will identify a series of infrastructure and plant modification projects amounting to between US\$100-200 million.

Kenya: Feasibility of Peri-urban Fuelwood Plantation

This activity will build upon the work done by the Government of Kenya and various donor agencies by undertaking a pre-investment analysis for 25,000 ha of peri-urban plantations to be established by 1990 and by identifying the key policies and incentive systems required to ensure the timely implementation of this programme. The activity will also prepare

a broader plan of action for the longer term and will help the Government to define its role in investment planning and implementation in this important subsector. Preliminary work has started and the study is expected to be implemented over the next eight months. The estimated cost of US\$250,000 will be funded largely by a special grant from the Netherlands Government.

Kenya: Feasibility of Energy Efficiency Improvement in the Tea Drying Industry

The tea drying industry in Kenya relies both on fuel oil and wood for its process heat requirements, neither fuel being used very efficiently. The objective of this activity is to define the opportunities for reducing the cost of energy use in this industry through efficiency improvements as well as fuel substitution. Where such substitution results in an incremental demand for woodfuel, the work will also evaluate options for supplying this incremental demand through dedicated wood production. The activity would lead to substantial investments in retrofitting and possibly fuelwood production. The work would be carried out over a 12-month period starting in mid 1985 at an estimated cost of US\$175,000. Funding has been approved by the Australian Government to cofinance this activity.

Uganda: Fuelwood/Forestry Project Preparation

Due to rapid depletion of fuelwood in Uganda, particularly around urban areas, there is a pressing need to increase fuelwood plantation and forest resource management activity. Towards this end, the Bank has identified a forestry project which includes peri-urban fuelwood plantations, rehabilitation of the Forestry Department, social forestry programmes, improvement of natural forest management, support to wood industries and improved research. The preparation work is planned to be carried out under ESMAP. The cost of the activity is US\$300,000 and is expected to be cofinanced by CIDA.

Zimbabwe: Power Sector Management Assistance

The Government of Zimbabwe and UNDP have agreed to contribute US\$200,000 from the Country IPF funds for Zimbabwe towards the total cost of US\$280,000 for this activity. The Green Cover ESMAP report which presents the detailed workplan for this project (ZIM/84/017) was sent for Government clearance in February 1985. The project consists of two main components: (a) the attachment to the Department of Energy of an experienced Power Sector Planning Adviser (12 man-months); and (b) the provision of the services of consultants on short-term assignments (total 16 man-months). Both components are intended to assist the Government in strengthening its capabilities to supervise power sector activities, and to prepare and implement plans to establish the Zimbabwe Electric Supply Authority (ZESA). Consultants for both components of the project are being identified and the scheduled starting date for the field work is April 1985.

Zimbabwe: Petroleum Sector Management Assistance

The Activity Initiation Brief is being prepared for the proposed activity which includes: (a) the development and installation of a computerized management information system which will be used by the Department of Energy and the National Oil Company of Zimbabwe to monitor petroleum stocks and to programme deliveries to bulk storage depots; and (b) a one-week intensive seminar/workshop on petroleum industry practices for senior Government officials. The project will be implemented during 1985 at a cost of US\$55,000, of which US\$45,000 will be funded from the UNDP Country IPF under UNDP Project ZIM/84/021.

Detailed profiles for the above projects, as well as additional information on opportunities and mechanisms for cofinancing of ESMAP projects can be obtained from Masood Ahmed (202-477-3996) in the Energy Assessments Division of the World Bank.

Part V

**OTHER PRE-INVESTMENT AND TECHNICAL ASSISTANCE ACTIVITIES IN PROGRESS a/
FINANCED FROM THE ESMAP CORE PROGRAMME**

A. Pre-investment

Bangladesh

Small Uses of Gas Prefeasibility Study This study will identify the economic potential for expanding the use of abundant natural gas among small industrial and commercial users. It will also generate a costed and phased programme to realize this potential and prepare a methodology to replicate this work in other countries where natural gas is in abundant supply. The field work is expected to begin in March 1985.

Botswana

Energy Audits of Public Institutions The Government of Botswana has also requested ESMAP assistance to follow up on the recommendations of the energy assessment report as regards the promotion of energy conservation and fuel substitution measures in public institutions in the country. Terms of reference provided by the Government are being reviewed and the scope and timing of further work will be discussed with the Government during a mission proposed for April.

Burundi

Promotion of Institutional and Industrial Use of Peat in Burundi The objective is to evaluate the technical and economic parameters associated with converting prospective industrial and institutional energy consumers to peat use. The work will also define the investment requirements and other factors associated with a programme of conversion for the priority users. A mission visited Burundi in August/September 1984 and a draft report based on its findings is presently being prepared. The report identifies a pilot project of US\$400,000 to demonstrate the use of peat for industrial use. The Activity Completion Report will be distributed in May 1985.

Review of the Improved Charcoal Stove Programme A mission visited Burundi in April 1984 to review existing efforts in developing and disseminating an improved charcoal stove primarily for use in urban households. The report detailing the mission's findings identifies a

a/ Timing of missions and reports is subject to agreement with the governments concerned. For these activities, all of which cost under US\$100,000, ESMAP management is prepared to consider cofinancing offers, provided that processing of such offers does not delay the implementation of these activities.

two-year production and dissemination programme for an acceptable and affordable stove design. The Activity Completion Report will be issued in May 1985. The technical assistance programme defined in the report (US\$240,000) has been included as a component in an upcoming IDA-assisted energy project.

Ethiopia

Power System Efficiency Audit The field work for a power system efficiency audit has been completed. A draft report on the mission's findings will be sent for review by the Government in March 1985. The report identifies investments of about US\$15 million. Some of the projects identified are being considered for inclusion in the IDA Third Power Project for Ethiopia.

Power Supply Options for ERESA ICS In March 1984, a mission was fielded to evaluate supply options for the Asmara region. The mission compared various options for local generation with the alternative of inter-connecting with the main grid in the Addis Ababa area. This analysis led into the discussions with the government during the appraisal of the IDA Power III project. A summary of the mission's findings will be incorporated in the Power System Efficiency Audit Report.

Surplus Bagasse Potential As part of a multi-country bagasse energy review, this activity will assess opportunities for increasing energy efficiency in existing and planned mills to produce surplus bagasse. The technical, economic, financial and institutional feasibility of using the surplus for several alternatives, including fiber substitution in the paper and pulp industry or use by a mill itself for energy needs, will be assessed. Results will be in a form that can be readily used to prepare a project document for potential donors. The mission was fielded in February 1985.

Gambia

Solar Photovoltaic Applications Project This report, a pre-feasibility analysis of photovoltaic applications in the rural health and telecommunications sectors, was discussed and cleared by the Government in December 1984. The Activity Completion Report will be issued in March 1985. The report identifies investments estimated at US\$612,000, consisting of US\$500,000 for hardware procurement and installation, and US\$112,000 for technical assistance.

Haiti

Solar Water Heating The Government of Haiti has requested ESMAP assistance for a pre-feasibility study for the introduction of solar water heaters (SWH). This study will identify the overall SWH market, recommend measures to reinforce current arrangements for SWH production and dissemination to develop this market, and define the Government's role in this effort. The mission to carry out this work will be fielded in mid-1985.

Industrial Energy Conservation The Government of Haiti has requested ESMAP assistance to promote conservation in industry and commerce. This assistance will identify measures to be taken, whether in terms of management practices, investments (retrofitting), or fuel substitution to reduce energy consumption in the largest consumers of electricity, oil, coal and woodfuels in these sectors. Work will begin in mid-1985.

Solar Crop Drying Acting on the Government of Haiti's request, ESMAP intends to provide assistance to assess the economic and technical feasibility of introducing solar crop drying equipment. The work involves: (a) identification of a specific crop in which major losses are caused by drying problems, harvested on a site with favorable climatic conditions for solar dryers; (b) definition of the most appropriate equipment and a trial installation to assess operating and maintenance conditions; and (c) specification of technical, institutional and financial arrangements necessary for implementing a larger scale programme. Work will begin in mid-1985.

Indonesia

Power System Efficiency Improvement Following up on the Energy Assessment Status Report, a mission visited Indonesia in November/December 1984 to: (a) define and evaluate power plant (hydro, steam and diesel) efficiency improvements; and (b) prepare the terms of reference for a diesel generating plant maintenance programme. The Activity Completion reports will be issued in mid-1985.

Strategy for Promoting Improved Cookstoves This activity will analyze household cooking fuel and stove problems. Household cooking accounts for about one-third of national kerosene demand or over 10% of total petroleum consumption. Households use a variety of fuels and stoves with different but generally low efficiencies. Tackling these issues requires a variety of actions, but one major element would be to promote the use of more efficient cooking stoves for both kerosene and wood. The activity includes a review of the work that has been done to date, and in the light of the lessons learned from this work as well as from the experience of other countries, the study would propose an overall strategy for an improved (kerosene, wood and other) stove programme and define a detailed and phased programme of action to implement this strategy. The work would require about six months of specialist input and cost about US\$90,000. A reconnaissance mission is presently in Indonesia to agree on the scope and timing of the field work for this activity.

Energy Efficiency in Brick and Tile Industry This activity will make an evaluation of the various technical options to improve the efficiency of energy use in the brick and tile industry and to formulate a detailed set of proposals with regard to design and technologies, which will result in economically profitable energy savings. The work involved will include the preparation of cost estimates for the subsequent pre-investment or investment required and the definition of the appropriate role of the

Government in terms of both financial and technical support for such a programme. The work is expected to require about 6 months of specialist input during 1985 and cost about US\$100,000. A reconnaissance mission is currently in the field to agree on the scope and timing of the field work for this activity.

Liberia

Power System Efficiency Audit As a follow-up to the recent Energy Assessment, the Government of Liberia has requested ESMAP assistance to audit the efficiency of the power system and to suggest improvements. One of the major issues is to reduce the extremely high level of non-technical losses. The mission to do this work will be fielded in April 1985.

Peru

Cooking Efficiency Improvement Programme The principal objectives of the study are: to compare traditional technologies with improved modern stoves and utensils; to identify economically viable self-sustaining ways to produce and disseminate reliable and energy efficient woodstoves; and to formulate a costed and phased programme of action to achieve this. The mission has just completed its work in the field. The Activity Completion Report will be issued in mid-1985.

Rwanda

Improved Charcoal Kiln Project The purpose of this activity is to prepare an action programme delineating (a) training and technical support requirements for charcoal producers to enable them to adopt more efficient charcoal conversion techniques; (b) appropriate government policies with regard to the procurement of construction material, credit facilities, taxation measures and other incentives to promote the use of improved kilns; (c) an evaluation of the feasibility of linking the producers of fuelwood to the charcoal producers; and (d) an analysis of the possible impact of the use of improved charcoal stoves in households as well as that of improved charcoal kilns on the output of charcoal production, the price of charcoal and the incomes of charcoal makers. The main mission for this project will be fielded in May 1985.

Improved Charcoal Stove Project The objective of this project is to propose an integrated programme of action for the design, production, promotion, marketing and dissemination of charcoal stoves in Kigali. To that end, a pilot project will be started to test the market and consumer reactions to an improved charcoal stove design drawing heavily upon the experience of similar efforts in Burundi. Based on this experience a costed, scheduled programme of action will be formulated to establish a self-sustaining system for the production of improved charcoal stoves and their dissemination throughout the city. The mission has been completed and the Activity Completion Report will be issued in mid-1985.

Senegal

Industrial Energy Conservation Report The July 1983 Assessment Report for Senegal recommended the development and implementation of a comprehensive energy conservation programme beginning with the industrial sector for which the potential for substantial energy savings has already been established. The July 1984 Energy Assessment Status Mission included an energy conservation specialist who visited about 20 industrial plants to update the Energy Assessment's findings on the energy savings potential in the industrial sector. On the basis of the mission's findings, a report is being prepared which will set out the cost and phasing of a programme that will allow the country to realize the potential energy savings within a 12-36 month period. A draft of the report was discussed with the Government in February 1985 and the Activity Completion Report is expected to be issued shortly. The report identifies a US\$1.2 million technical assistance package that would result in conservation projects estimated at US\$22 million. This TA package is likely to be funded by the UNDP through its Country IPF with the Bank acting as executing agency.

Solar Water Heating Marketing Study The July 1983 Assessment Report for Senegal as well as the Energy Assessment Status Report identified this as a priority area for follow-up technical assistance. The objective of the project is to recover a 2,700 toe/year potential for energy savings by substituting electric and oil-fired water heating with solar water heaters (SWH). The project will focus on a market survey; the potential for local manufacturing of SWH; training; financial and economic analysis; roles and responsibilities of the Government and SWH related companies, and an implementation plan. A mission is presently in the field.

Sri Lanka

Industrial Energy Conservation Study This work involves carrying out prefeasibility studies of possible energy improvements in 16 industrial plants, one hotel and one hospital in Sri Lanka, as part of an ongoing Government of Sri Lanka programme to promote energy conservation in industry. The mission, which was fielded in October 1984, identified highly profitable retrofitting projects involving investments of US\$9.1 million, with simple economic paybacks ranging from 0.9 to 3.5 years and averaging 1.8 years. Once the report has been finalized (in March 1985), the Government will be seeking donor funding to take these prefeasibility studies to the full feasibility level. Terms of reference for each of the required feasibility studies have been included in the ESMAP report.

Transport Energy Conservation Study This project will identify short- and long-term measures to improve the energy efficiency of the transport sector in Sri Lanka. The study aims to identify specific projects which will reduce the country's consumption of imported oil products. The report will be sent for clearance by the Government in mid-1985.

Sudan

Solar Water Heating The Energy Assessment Status Mission in July/August 1984 identified solar water heating for low temperature commercial and industrial applications as being a promising area to exploit Sudan's renewable energy resources. The Government has subsequently requested ESMAP assistance to initiate this activity. A mission completed in December 1984 concentrated on establishing the market potential for solar water heating, determining the prerequisites for penetrating/developing the identified market, and designing appropriate manufacturing and marketing strategies. It also focused on identifying pilot/demonstration projects, working out equipment and investment requirements for converting the identified establishments to solar water heating and determining the economic and financial justification of the conversion.

Tanzania

Fuelwood Project As is common with several countries in the region, the extensive cutting of fuelwood, particularly around urban areas, is resulting in rapid depletion of fuelwood resources. There is an urgent need to implement a programme to address these issues. It is proposed to use ESMAP resources to define the first phase of such a programme which would concentrate on the development of the peri-urban fuelwood plantations and recommend measures for improving the efficiency of fuelwood use in urban areas. Field work is scheduled to begin during the second half of 1985.

Uganda

Energy Efficiency in Tobacco Curing Industry In December 1984 an ESMAP mission was fielded to review the fuelwood supply and demand situation in Uganda's tobacco curing industry and to recommend appropriate measures to improve the energy efficiency in this rural industrial sector. The mission's findings reveal that energy efficiency levels in the main tobacco growing areas are extremely low and future tobacco production will be constrained by fuelwood supply. The mission recommended a two-phase programme to improve the energy efficiency which could alleviate the fuelwood shortfall between 1987 and 1990 and allow the tobacco industry to maintain at least 1984 production levels. Efficiency improvements identified would lead to 60% reduction in fuelwood consumption at enhanced production levels and would increase barn output by up to 20%. The mission recommended a pilot demonstration project costing about US\$150,000 as well as a nationwide dissemination phase costing about US\$450,000. The Activity Completion Report is expected to be distributed by June 1985.

Preliminary Industrial Energy Audit The objective of this technical assistance activity is to identify a cost-effective energy conservation investment programme in the industrial sector. Phase I of the project was a reconnaissance mission fielded in November 1984 to identify a conservation strategy and programme, assess its likely costs and benefits and carry out preparatory work for a possible Preliminary Industrial

Energy Audit to be conducted in phase II. The Activity Completion Report, which would include the findings of Phase II, is expected to be issued in late 1985.

Power System Efficiency Audit As a follow up to the Energy Assessment, the Government of Uganda has requested ESMAP assistance to audit the efficiency of the power system and suggest improvements in the distribution system, with particular emphasis on consumer services and enhancement of supply reliability. The main mission for this activity will be fielded in May 1985.

Zimbabwe

Industrial Energy Conservation An October 1984 mission visited Zimbabwe to update preliminary audits conducted as part of the energy assessment in 1981 and to define the cost and steps required to set up an industrial energy efficiency improvement programme. The mission is preparing a pre-feasibility report which will establish guidelines for further pre-investment work on the selected industrial plants. Technical assistance for the next phase will also be defined and it is expected that this subsequent activity will be funded in part from the UNDP Country IPF for Zimbabwe.

B. Institutional/Policy

Botswana

Review of Electricity Service Connection Policy The Government of Botswana has requested ESMAP assistance for a comprehensive review of the policy, practices and arrangements which affect the provision of electricity supply by the Botswana Power Corporation (BPC) to residential consumers. The inadequacy of existing arrangements for low voltage connection had been noted as an important issue in the Energy Assessment Report. A mission will be fielded in April 1985.

Burundi

Assistance for Energy Round Table An ESMAP mission helped the Government prepare a portfolio of priority investment and technical assistance project profiles which were presented to potential donors at the UNDP-sponsored Round Table meeting in Bujumbura in February 1984. A number of donors have expressed interest in financing some of the identified projects. A report on this activity has been cleared by the Government and is expected to be issued in final in March 1985.

Assistance for Developing Petroleum Exploration Strategy The objective of this task was to provide technical advice to the Government to help prepare it for negotiations with a private oil company on exploration activity in Burundi. The substantive work, which comprised missions by consultants in the areas of exploration strategy and preparation for

negotiations with the oil company, has been completed. Some reinterpretation of gravity data was also carried out. The Activity Completion Report will be issued in May 1985.

Gambia

Petroleum Supply Management Assistance The findings of this pre-investment report on petroleum supply management, pricing and allocation were discussed and cleared with the Government by an ESMAP mission in November 1984 and the Activity Completion Report will be issued in March 1985. The recommendations of the report include about US\$330,000 in technical assistance. This covers: (a) recruitment of resident Energy Planner/Economist, US\$240,000; (b) data processing set-up, US\$25,000; (c) engineering inputs for terminal relocation study, US\$65,000. Preliminary indications are that the investment for a new terminal would be in the range of US\$4.4-8.3 million.

Liberia

Identification of Technical Assistance Projects The October 1984 mission which discussed the Green Cover Energy Assessment Report also identified and prepared terms of reference for a number of priority projects in the energy sector. A brief description and terms of reference for further work were prepared for the following projects: (a) improvement of the utilization efficiency of charcoal; (b) pre-investment analyses of ore-drying using fuelwood; (c) power system efficiency improvement; and (d) review of power exchange possibilities between a mining enclave and a power utility. The Activity Completion Report based on the mission's findings will be issued in April 1985. Thereafter the document will be circulated to potential donors, some of which have already expressed interest in funding these activities.

Paraguay

Identification of Technical Assistance Requirements A mission visited Paraguay in September 1984 to discuss the draft Energy Assessment Report and review with the Government a number of technical assistance priorities which had been identified in the report. As a result of the discussions, a package of terms of reference is being prepared for eight technical assistance projects (two in power, three in forestry, two in petroleum and one covering energy institutions). The size of the technical assistance proposed is US\$590,000. The Activity Completion Report will be issued in April 1985.

Senegal

Preparatory Assistance for Donor Meeting For the Senegalese energy sector donors' meeting to be held in June/July 1985, the Government of Senegal must prepare and distribute background documents one month prior to the meeting. The main document will be a synthesis of the different development strategies that will be proposed as well as the respective investment programmes for the energy sector, 1985-1992. Included in this

document will be a tariff policy study that should coordinate all aspects of energy pricing. In addition to the main document, specific documents must be prepared for each of the subsectors: electricity, petroleum, woodfuels, renewable energy and energy conservation. Responsibility for preparing the individual subsector documents rests with the related parastatal enterprises. The main synthesis is to be prepared by the Department of Energy in MDIA. To carry out this task in the tight timeframe envisaged, the Government has requested urgent assistance through ESMAP to fund expatriate consultants to help prepare the overview document and also the subsector document on fuelwood where existing institutional capacity is particularly weak. Suitable consultants are being identified.

South Pacific

Regional Study of Petroleum Transportation in the South Pacific The objective of this study is to establish a least-cost regional petroleum procurement strategy for countries in the South Pacific (Western Samoa, Vanuatu, Solomon Islands, Papua New Guinea, Tonga and Fiji). The terms of reference for this work are being prepared and will be discussed with the concerned Governments and other associated agencies in mid-1985.

Part VI

**INVESTMENT AND TECHNICAL ASSISTANCE OPPORTUNITIES:
PREPARATORY STUDIES COMPLETED UNDER
ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAMME**

Finances have been identified for the investments and technical assistance recommended under the following completed ESMAP activities:

1. PANAMA: Power System Loss Reduction Project (ESMAP Report Number 004/83). This study identified two projects for immediate implementation:

- (a) Distribution System Improvement Programme - comprising the analysis of all distribution circuits, installation of capacitors and reconductoring, etc. The estimated cost of the project is US\$4.5 million.
- (b) Rehabilitation of the BLM Oil-fired Generation Plant - comprising replacement of burners, air preheater seals, repair and upgrade instrumentation, controls, insulation and cooling water system. The estimated cost of the project is US\$1.0 million. The payback period is less than one year.

Current Status: The Panamanian Power Entity (IRHE) has begun work on the implementation of some of these recommendations.

2. KENYA: Power System Efficiency Improvement Project (ESMAP Report Number 014/84). This report identified two projects:

- (a) A Distribution Loss Reduction Project - comprising engineering services and investment in capacitors, reconductoring, etc. which would be implemented over an 18-24 month period. The estimated cost of the project is US\$7.7 million, of which about 90% would be in foreign exchange; the payback period is approximately one year.
- (b) Kipevu Steam Plant Rehabilitation Project - this project would improve the operating efficiency of this oil-fired plant and raise its available capacity by 12 MW. The project would comprise repairs and rehabilitation of individual generating units as well as of the condenser/cooling and water treatment systems. The estimated cost is US\$2.8 million; the payback period is under two years.

Current Status: Funding for both of these projects is being provided by a grant from the Canadian International Development Agency, from whom further information on consultant and equipment requirements can be obtained.

3. SUDAN: Power System Efficiency Study (ESMAP Report Number 018/84). This report has identified a short-term rehabilitation programme of US\$3.3 million with an economic payback of 1-2 years and recommends additional longer-term measures costing over US\$18 million.

Current Status: The rehabilitation works identified in the report are being financed mainly by USAID and consideration is being given for possible additional financing from savings from the Bank's Power III Project.

4. MALAWI: Technical Assistance Package to Improve the Efficiency of Fuelwood Use in the Tobacco Industry (ESMAP Report Number 009/83). This report evaluates the economic feasibility of alternative technical options for improving the efficiency of wood use in the tobacco curing industry and recommends a two-phase programme to introduce the most economic set of improvements. The first phase comprises a pilot project to install doors, grates and ventilators in 40 low efficiency barns and to monitor their energy savings over a two-year period; the setting up of an effective extension, monitoring and evaluation capability both for the pilot project and for any subsequent programme; and support for further testing and research of other technical packages. The estimated cost of this first phase is US\$300,000 and it would be implemented over a two-year period. Thereafter, a full scale programme of energy efficiency improvements of the tobacco barns could be launched over a five to seven-year period at an estimated cost of over US\$10 million.

Current Status: Phase I of the project is under implementation with assistance from an IDA credit.

Funding is being sought for the investments identified (technical assistance, equipment, etc.) under the following completed ESMAP activities:

1. ZIMBABWE: Power System Loss Reduction Project (ESMAP Report Number 005/83). This study identified a Distribution System Betterment Project comprising a package of engineering services and software, and capacitors, conductors and metering equipment aimed at reducing the losses in the Electricity Supply Corporation (ESC) and Municipality distribution systems. The estimated cost of the project is US\$3.3 million (including US\$0.5 million in local currency).

Current Status: The Government of Zimbabwe intends to implement this project following the establishment of a new institutional structure for the power sector, in particular the creation of a new power utility -- the Zimbabwe Electric Supply Authority.

2. SRI LANKA: Power System Loss Reduction Project (ESMAP Report Number 007/83). This report identified two projects:

- (a) Distribution System Rehabilitation Project - the first phase of this project would be implemented over three years and would include the establishment of a Distribution Engineering Department in the Ceylon Electricity Board (CEB), the engineering and installation of about 230 MVAR of capacitors, reconductoring/rebuilding of about 200 km of 33 kV and 11 kV line, and 1,700 km of new line, and the provision of metering equipment. The estimated cost of Phase I is US\$25 million of which about US\$15.5 million would be foreign costs.
- (b) Kelanitissa Steam Plant Rehabilitation Project - this project would improve the operating efficiency and effective capacity of this 25 MW oil-fired plant. The project would include the replacement of burners, valves and lines and the rehabilitation of control systems, variable speed fan drives and the chlorination system. Consultants would be required for the preparation of detailed designs and possibly for the supervision of contractors carrying out the rehabilitation work. The estimated cost of the project is US\$1.5 million (of which 90% would be in foreign exchange). The project has a payback period of less than one year.

Current Status: CEB has begun work on Phase I of the distribution rehabilitation project, with assistance from the Bank. Additional funding is being sought to expand the scope of this work. Regarding generation rehabilitation, the project could be implemented in 1985 when the Kelanitissa plant could be released from service by the availability of new hydro stations. The CEB is seeking funding for the implementation of the project.

3. BURUNDI: Petroleum Supply Management Technical Assistance Project (ESMAP Report Number 012/84). This study reviews existing and alternative arrangements for the import and distribution of petroleum products in Burundi and sets out a number of recommendations on diversifying supply routes and strengthening the government's capacity to formulate and implement a cost effective petroleum supply strategy. The report also defines a technical assistance package costing US\$135,000 which would provide the government with the services of advisory consultants to help implement these measures.

Current Status: Consideration is being given to financing the technical assistance identified in the report under a proposed IDA Power Transmission and Distribution Project for which cofinancing is currently being sought.

4. SEYCHELLES: Power System Efficiency Study (ESMAP Report Number 021/84). This study defines the scope, costs and benefits of a technical assistance project to improve the efficiency of the electric power system. The following project components were prepared for funding: (i) development of a cost-related tariff structure; (ii) a training programme in the optimal operation of diesel-fired generating units; (iii) development of an efficient maintenance system plan; (iv) improvement of the power factor through the installation of capacitors; and (v) use of microcomputer facilities for monitoring system losses, maintenance data, etc. The total cost of the project is US\$0.5 million.

Current Status: Funding for this project is being sought by the Government of the Seychelles.

5. PAPUA NEW GUINEA: Technical Assistance for Institutional Strengthening (ESMAP Report Number 023/84). This study evaluates the current institutional framework for national energy planning and coordination and sets forth a number of organizational and other measures to strengthen this framework. In support of these measures the report identifies a US\$1.5 million technical assistance package comprising training, equipment and the provision of short and longer term consultant experts.

Current Status: Funding for this package is being sought by the Government of Papua New Guinea.

6. COSTA RICA: Priority Technical Assistance Requirements (ESMAP Report Number 027/84). Following up on the technical assistance priorities identified in the energy assessment report, this study sets out the terms of reference, scope of work, manpower requirements, cost and scheduling of six priority technical assistance projects in the energy sector. These projects and their estimated cost are:

- (a) Establishment of a Maintenance Programme for Public Buses: Cost: Phases I and II - US\$90,000; Phase III - US\$4.1 million.
- (b) Production of Charcoal from Forest Residues: Cost: Phase I - US\$100,000; Phase II - US\$415,000.
- (c) Electric Power Demand and Simulation Model: Cost: Phases I and II - US\$16,000; Phase III - US\$32,000.
- (d) Optimization of Power Sector Investments: Cost: Phase I - US\$40,000; Phase II - US\$32,000.
- (e) Technical Assistance in Systems Operations: Cost: US\$25,000.
- (f) Fiscal Policy and Petroleum Product Prices Study: Cost: Phase I - US\$16,000; Phases II and III US\$32,000.

Current Status: The Government of Costa Rica is seeking funding for these projects.

UGANDA: Institutional Strengthening in the Energy Sector (ESMAP Report Number 029/85). This activity recommends a set of measures for strengthening the Government's planning and policy-formulation capability focussing primarily on the establishment and operation of the Energy Department within the Ministry of Power, Posts and Telecommunications. The measures recommended in the report include organizational restructuring, staffing, provision of short-term specialists, training and specialized equipment. A technical assistance programme of US\$670,000 is included in the report.

Current Status: The technical assistance programme defined in the report is proposed to be financed under the Bank's Second Power Project in Uganda.

THE GAMBIA: Solar Water Heating Retrofit Project (ESMAP Report Number 030/85). This activity, which is a pre-investment analysis of solar water heating retrofit at the five largest tourist hotels, also includes terms of reference to extend the experience to the remaining tourist hotels and to evaluate the potential for solar water heating in the residential and institutional sectors. The total investment for the retrofit programme is estimated at US\$500,000, including spares, contingency, and technical assistance.

Current Status: A Scandinavian Bank has expressed interest in financing the project. ESMAP will follow up with the Swedish Trade Office and the Government of The Gambia.

BANGLADESH: Power System Efficiency Study (ESMAP Report Number 031/85). This study reviews the existing power system loss reduction programme of the Bangladesh Power Development Board and proposes measures to accelerate the reduction of losses to economic levels. It identifies the sources of losses and makes specific recommendations for implementing the loss reduction programme. The report identifies about US\$50 million in potential investments.

Current Status: The technical and non-technical loss reduction programmes are being considered for inclusion in a proposed IDA credit for Bangladesh. The ADB has already allocated funds for some aspects of the non-technical loss reduction programme.

Part VII

STATUS OF FUNDING

In the Annual Report of February 1984 on these programmes, it was noted that finance had come from three main sources: the World Bank, the UNDP Interregional Funds and the UNDP Energy Account, which finances these programmes as part of its global activities. From 1980-83, the Energy Account received contributions totalling US\$10.64 million in untied funds from:

	<u>US\$ '000</u>
The Netherlands	4,923
Sweden	2,207
Australia	969
Switzerland	939
Finland	788
United Kingdom	459
Norway	204
Denmark	115
New Zealand	36

* * * *

Since February 1984 the following additional contributions or pledges have been made to the programmes:

Australia: Australian dollars 500,000 (approximately US\$425,000), for one ESMAP activity which will involve the use of Australian consultants.

Canada: Up to 2.1 million Canadian dollars (approximately US\$1.6 million), untied, for Assessment activities in specific countries and up to 5.3 million Canadian dollars (approximately US\$4.0 million), partly tied, for use of Canadian consultants for ESMAP activities in specific countries.

Denmark: One million Danish crowns (approximately US\$95,000), untied, for the programmes in each of the years 1984, 1985 and 1986.

European Economic Community: ECU 800,000 (approximately US\$600,000), tied to use of European consultants, for assessments in ten countries.

France: Four million French francs (approximately US\$430,000), untied, for Assessment activities in four specific countries.

Germany: US\$350,000 in kind for one ESMAP activity.

Iceland: US\$40,000, untied, for the programmes.

Sweden: Three million Swedish crowns (approximately US\$350,000), untied, for ESMAP activities in several small countries; also, through UNDTCD, about US\$80,000, tied to use of Swedish consultants, for one ESMAP activity.

Switzerland: One million Swiss francs (approximately US\$400,000), untied, for the programmes in each of the years 1985 and 1986.

The Netherlands: US\$241,000, untied, for cofinancing two ESMAP activities.

UNDP Country IPFs: Contributions from IPFs for Paraguay (US\$50,000) and Trinidad (US\$50,000).

UNDP Interregional IPF: US\$250,000, untied, for the ESMAP core programme, in each of the two years 1985 and 1986.

World Bank: US\$700,000, untied, for the ESMAP core programme.

* * * *

Where contributions from donor countries to the programmes are untied, special efforts are made by the staff of the two programmes to ensure that high quality consultants from those countries are given a fair opportunity to participate in the programmes. Where contributions from donor countries are partially tied to the use of consultants from these countries, acceptance of the contributions is dependent on the availability of high quality consultants to carry out the work of the programmes under the management of the programmes' staff.



Division for Global and
Interregional Projects
United Nations Development Program
One United Nations Plaza
New York, N.Y. 10017
U.S.A.



Energy Assessments Division
Energy Department
World Bank
1818 H Street, N.W.
Washington, D.C.
U.S.A.

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MR. FRANZ KAPS, RESIDENT REPRESENTATIVE, INTBAFRAD, DAKAR,
SENEGAL. WE HAVE SENT 24 COPIES OF SENEGAL: LE POTENTIEL
D'ECONOMIE D'ENERGIE AU SENEGAL GREEN COVER REPORT BY AIR FREIGHT.
WE WOULD APPRECIATE YOUR FORWARDING 20 COPIES TO M. CISSE AND
TWO COPIES TO THE UNDP RESIDENT REPRESENTATIVE. THE REMAINING
TWO COPIES ARE FOR YOU. THANK YOU FOR YOUR COOPERATION AND ALL
THE BEST FOR YOU IN THE NEW YEAR. MASOOD AHMED, DEPUTY CHIEF,
ENERGY ASSESSMENTS DIVISION, INTBAFRAD.

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CLASS OF SERVICE:	TELEX	TELEX NO.:	3149	DATE:	1/4/85
SUBJECT:	ESMAP: Senegal-Egy Cons.		DRAFTED BY:	JShanberge:aaf	EXTENSION:
CLEARANCES AND COPY DISTRIBUTION:			AUTHORIZED BY (Name and Signature):		
			Robin Bates, Deputy Chief, EGYEA		
			DEPARTMENT:		
			Energy		
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THE WORLD BANK/INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

147/83/003
F 336

DATE: December 26, 1984

TO: Distribution

FROM: Masood Ahmed, Deputy Division Chief, EGYEA



SUBJECT: ESMAP: Liberia - Yellow Cover Report
Recommended Technical Assistance Projects

1. The above referenced report was sent to you by Robin Bates for comment on December 14, 1984. Because of the holidays we did not wish to rush the review process, however we would now appreciate receiving your comments by c.o.b., Friday, January 4, 1985.
2. Please forward your comments to either me (extension 7-3996, Room D-629 or Mr. Willem Floor, extension 7-5425, Room D-631).

Distribution:

Messrs. Husain, Bouhaouala, Bauer, Davis (WAP);
Resse, Kendall, Alibaruho (WAl);
Eccles, Walton (WAP); Gamba (IND);
Weissman, Ludvik (EISVP);
Rovani, Bourcier, Sadove, Saunders, Kalim, Iskander,
Dosik, Fish, Heron, Bharier, Bates (EGY);
Harland, Mashler, Cox (UNDP, New York)
UNDP Res. Rep. (Liberia)

Ms. Leach (WAP)

cc: EGYEA Staff

RChronowski:jrs

OFFICE MEMORANDUM

DATE: March 28, 1985

TO: Distribution

FROM: Masood Ahmed, Deputy Chief, EGYEA

EXTENSION: 73996

SUBJECT: ESMAP: THE GAMBIA - Solar Photovoltaic Application
Project Pre-Investment Report

1. I am pleased to attach a copy of the final version of the above report which presents the findings of a mission comprising Messrs. Anwer Malik and Peter Fraenkel (consultant) who visited The Gambia in July 1984 under the UNDP/World Bank Energy Sector Management Assistance Program (ESMAP).

2. The report was prepared by ESMAP in response to a request from GOTG for assistance to investigate the feasibility of replicating the use of solar photovoltaic power systems technology in the rural health care and rural telecommunications systems. Due to the current acute shortage of funds, the GOTG is very interested in the use of solar photovoltaic power systems to help reduce recurrent costs in both systems. Such systems have already been introduced into both sectors by donor agencies but this was done on an ad hoc basis and the GOTG would prefer a more systematic approach.

3. The report confirms that replication of solar photovoltaic power systems in the rural health care and rural telecommunications systems would yield significant economic benefits to the country and would improve the reliability of energy supply for selected operations such as the storage of vaccines for the immunization program. Kerosene fueled absorption refrigerators and diesel generators will be replaced, and recurrent costs would be reduced. The report proposes a project comprising three main elements (a) procurement and installation of solar photovoltaic power units and related equipment; (b) technical assistance for the Gambian institutions that will be responsible for procuring, installing, and using the solar photovoltaic power systems; and (c) technical assistance for a feasibility study on the potential for solar powered pumps. The project will require an investment of about US\$0.5 million for equipment, and about US\$180,000 for the technical assistance.

4. A draft of this report was discussed in December 1984 with the Government of The Gambia which cleared the report for publication and distribution under ESMAP. The UNDP Capital Development Fund has expressed an interest in funding the procurement and installation of the solar photovoltaic power

systems and related equipment (e.g. refrigerators). A number of bilateral agencies have also expressed interest in funding the technical assistance components.

5. Please address any comments on the report to Mr. A. Malik (extension 73604) or myself (extension 73996).

Attachment

Distribution:

Messrs. O'Brien (WANVP); Fuchs, Husain, Bouhaouala (WAP);
Bauer, Aiyer, Al-Khafaji, Andersen, Blanchi (WAP);
Landell-Mills (WA2);
Rajagopalan, Raphaeli, de Azcarate (PPD);
North, Measham (PHN); Richardson (CDD);
Riley, Burney (IRD); Antoine (CA1);
Kohli, Stern, Gamba (IND);
Dherse, Ludvik, Weissman (EISVP);
Rovani, Bourcier, Hume, Sadove, Heron, Fish, Saunders,
Dosik, Kalim, McCarthy, Iskander, Bharier, Bates (EGY);
Rothermel, Harland, Cox (UNDP, New York)
Demeska, UNDP Res. Rep. (Banjul, Gambia)

Mmes. Haug (IND); Vitagliano-Castelli, Bruns (WA2);
Di Tullio (WAP); Husain, Birdsall (PHN);

cc: EGYEA Professional Staff (w/o attachment)

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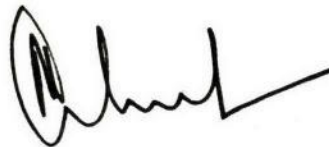
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OFFICE MEMORANDUM

To: Ms. Connie Denaro, PAB

March 20, 1985

From: Masood Ahmed, Deputy Chief, EGYEA

Subject: Time Recording Codes for the ESMAP


We would appreciate it if you could insert the following new activity codes in the computer in time for recording this month's timesheets:

<u>Country</u>	<u>Project</u>	<u>TRS Code</u>		
Botswana	Electricity Connection Service Policy Review	TAS	SMP	2BOTGGOT4
Ivory Coast	Energy Assessment Status Report	TAS	SMP	3IVCGGOT1
Mauritius	Bagasse Handling for Energy Production	TAS	SMP	2MTSGGOT2
Nigeria	Energy Assessment Status Report	TAS	SMP	3NIRGGOT2
Senegal	Energy Sector Donor Meeting	TAS	SMP	3SENGGOT4
Uganda	Energy Efficiency in Tobacco Curing - Pilot Project	TAS	SMP	2UANGGOT9

cc: Mesdames Lewis, Owen, Walsh, Regino-Suarez (EGY)

/aaf.

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DARBOUX, UNDEVPRO, PORT LOUIS, MAURITIUS. THANKS YOUR TELEX
MARCH 15 RE MAR/82/006 ENERGY PLANNING/MANAGEMENT. (AAA) WORLD
BANK HEREBY AUTHORIZES THE LOCAL PURCHASE OF EQUIPMENT AND
SOFTWARE STATED IN SAID TELEX. (BBB) PAYMENT WILL BE MADE BY THE
WORLD BANK DIRECTLY TO LOCAL SUPPLIER IN THE FOLLOWING FASHION
COLON 75 PERCENT OF THE TOTAL VALUE OF THE ITEMS MENTIONED OR US
DOLLARS 13,263 UPON DELIVERY OF SAID ITEMS SEMICOLON 25 PERCENT
OF THE TOTAL VALUE OF THE ITEMS MENTIONED OR US DOLLARS 4,420
UPON SATISFACTORY COMPLETION OF EQUIPMENT INSTALLATION AND STAFF
TRAINING. (CCC) PLEASE CLARIFY WHETHER PRICES QUOTED BY LOCAL
SUPPLIER INCLUDE SERVICE AND MAINTENANCE FOR 24 MONTHS. IF NOT,
THEN A SEPARATE CONTRACT MAY HAVE TO BE CONCLUDED AND A SEPARATE
AUTHORIZATION MAY HAVE TO BE MADE. (DDD) KINDLY TELEX US ACCOUNT
NUMBER AND BANK NAME IN WHICH SUPPLIER WISHES TO RECIEVE
PAYMENTS. PLEASE ALSO TELEX UPON EQUIPMENT DELIVERY AND
SATISFACTORY COMPLETION OF EQUIPMENT INSTALLATION AND STAFF
TRAINING. BEST REGARDS, MASOOD AHMED, ENERGY DEPARTMENT, WORLD
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CLASS OF SERVICE:	TELEX	TELEX NO:	996-4259	DATE:	3/20/85
SUBJECT:	MAURITIUS: ESMAP ENERGY PLANNING		DRAFTED BY:	NAS	EXTENSION:
CLEARANCES AND COPY DISTRIBUTION:			AUTHORIZED BY (Name and Signature):		
cc: Messrs. Newcombe, de Raet			Masood Ahmed, Deputy Chief, EGYEA		
Mrs. Owen, A. Vaughn			DEPARTMENT:		
			Energy		
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Record Removal Notice

File Title UNDP - INT/83/005 - Energy Sector Management Assistance Programme [ESMAP] - Correspondence - 1984/1986 - Volume 2		Barcode No. 30189792		
Document Date March 19, 1985	Document Type Telex			
Correspondents / Participants To: Stout, Energy Department From: Lars-Eric Larsson				
Subject / Title ESMAP Mission to Botswana for pump electrification study, UNDP project [travel arrangements]				
Exception(s) Personal Information				
Additional Comments		<p>The item(s) identified above has/have been removed in accordance with The World Bank Policy on Access to Information or other disclosure policies of the World Bank Group.</p> <table border="1"><tr><td>Withdrawn by Kim Brenner-Delp</td><td>Date Nov. 3 2022</td></tr></table>	Withdrawn by Kim Brenner-Delp	Date Nov. 3 2022
Withdrawn by Kim Brenner-Delp	Date Nov. 3 2022			

THE WORLD BANK INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

INT/83/005 F336
NRIC

DATE: March 12, 1985

TO: Mr. R. Bouhaouala, Assistant Director, WAP

FROM: Masood Ahmed, Deputy Chief, EGYEA *M Ahmed*

EXTENSION: 73996

SUBJECT: ESMAP: THE GAMBIA - Solar Photovoltaic Application Project
Pre-Investment Report

- n/a*
1. Attached please find for your clearance, the draft final blue cover version of the above report which was discussed with and cleared by the Government of The Gambia (GOTG) in December 1984. No substantive changes have been made to the draft green cover version.
 2. The report has been prepared by the UNDP/World Bank Energy Sector Management Assistance Program (ESMAP) in response to a request from GOTG for assistance to investigate the feasibility of replicating the use of solar photovoltaic power systems technology in the rural health care and rural telecommunications systems. Due to the current acute shortage of funds, the GOTG is very interested in the use of solar photovoltaic power systems to help reduce recurrent costs in both systems. Such systems have already been introduced into both sectors by donor agencies but this was done on an ad hoc basis and the GOTG would prefer a more systematic approach.
 3. The report confirms that replication of solar photovoltaic power systems in the rural health care and rural telecommunications systems would yield significant economic benefits to the country and would improve the reliability of energy supply for selected operations such as the storage of vaccines for the immunization program. Kerosene fueled absorption refrigerators and diesel generators will be replaced, and recurrent costs would be reduced. The report proposes a project comprising three main elements (a) procurement and installation of solar photovoltaic power units and related equipment; (b) technical assistance for the Gambian institutions that will be responsible for procuring, installing, and using the solar photovoltaic power systems; and (c) technical assistance for a feasibility study on the potential for solar powered pumps. The UNDP Capital Development Fund has expressed an interest in providing funds for the procurement and installation of the solar photovoltaic power systems and related equipment (e.g. refrigerators).

4. Following your clearance of the report, it will be finalized for distribution under the Energy Sector Management Assistance Program.

Attachment

cc: Messrs. O'Brien (WANVP); Landell-Mills (WA2);
Bauer, Husain (WAPEG); Bharier (EGY);

Mesdames Vitagliano, Bruns (WA2)

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BOOK OF TWO

1. MR. MAURICE GERVAIS
RESIDENT REPRESENTATIVE
INTBAFRAD
NIAMEY, NIGER

~~TELEX: 5355~~

#186

2. MS. RUTH ERLBECK
GTZ
FRANKFURT
GERMANY

TELEX: ~~41523-D~~ GTZ-D

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MR. MAURICE GERVAIS, INTBAFRAD, NIAMEY, NIGER. COPY FOR INFORMATION TO MISS RUTH ERLBECK, GTZ, FRANKFURT, GERMANY. RE WOODSTOVE PROJECT. PLEASE PASS ON FOLLOWING TEXT TO MR. GAJO FISCHER, THE MANAGER OF THE WOODSTOVE PROJECT. (AAA) THE ESMAP PROJECT DOCUMENT HAS BUDGETTED FOUR AND NINE MONTHS OF TECHNICAL CONSULTANCY BY THE WOODBURNING STOVE GROUP (WSG). THIS MAY HAVE TO BE RECONSIDERED IN LIGHT OF THE WORK DONE BY GILLES DESCHAMBRE IN NIAMEY. (BBB) FROM THIS WORK IT IS NOT CLEAR WHAT PAN SIZE IS MOST OFTEN USED. BECAUSE STOVE SIZE IS DIRECTLY RELATED TO PAN SIZE IT IS NECESSARY TO STUDY THIS PARAMETER ASAP. EXPERIENCE SHOWS THAT PROBABLY ONLY TWO STOVE SIZES SUFFICE; SCALING UP OR DOWN IS THEREFORE A LOGICAL NEXT STEP. (CCC) A COMPARATIVE TEST RE USING SCRAP METAL, RIVETING, AND INFORMAL SECTOR VERSUS NEW METAL, WELDING, AND SEMI-FORMAL SECTOR SHOULD ALSO BE CONSIDERED. (DDD) OTHER ISSUES WHICH WSG SHOULD DEAL WITH ARE TESTS WITH CERAMIC LINER FOR IMPROVEMENT OF COMBUSTION, A CHIMNEYED STOVE, INTRODUCTION OF STOVES INTO THE COMMERCIAL SECTOR, AND ASSISTANCE IN COLLECTING AND ANALYZING DATA OF HOUSEHOLD SURVEYS. (EEE) MR. PAUL BUSSMANN FROM APRIL 1 TO 20, 1985 OF WSG WILL VISIT NIAMEY TO DISCUSS ABOVE MENTIONED ISSUES WITH THE PROJECT STAFF TO ASSIST IN PLANNING THE WORK FOR THE FIRST PHASE AND TO DETERMINE WSG

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INVOLVEMENT IN THE REMAINDER OF THE PROJECT. (FFF) MR. WILLEM
FLOOR OF MY DIVISION WILL COME ON A SUPERVISION FOR THE STOVE
PROJECT FROM 8 TO 13 APRIL, 1985. WOULD APPRECIATE YOU INFORMING
MR. EJINE OR MINISTRY OF MINES AND INDUSTRY OF HIS ARRIVAL AS WELL.
(GGG) PROJECT TEAM SHOULD, IN COLLABORATION WITH WSG, PREPARE
DETAILED WORK PROGRAM FOR THE NEXT THREE MONTHS (INCLUDING A
DETAILED BUDGET), A HOUSEHOLD SURVEY QUESTIONNAIRE AND THE
ARRANGEMENTS FOR IMPLEMENTING THIS SURVEY. REGARDS, MASOOD AHMED,
DEPUTY DIVISION CHIEF, ENERGY ASSESSMENTS DIVISION, INTBAFRAD.

END
OF
TEXT

PINK AREA TO BE LEFT BLANK AT ALL TIMES

INFORMATION BELOW NOT TO BE TRANSMITTED


CLASS OF SERVICE:	TELEX	TELEX NO.:	BOOK OF TWO	DATE:	3-18-85
SUBJECT:	ESMAP - Niger Stove Project		DRAFTED BY:	WFloor:aaaf	
CLEARANCES AND COPY DISTRIBUTION: cc & cleared with: Messrs. Sederlof (WA1DA); Davis (WAP) cc: Messrs. Bharier, Bates, (EGY) Bauer, Wilton (WAPEG)			AUTHORIZED BY (Name and Signature):	Masood Ahmed, Deputy Chief, EGYEA	
			DEPARTMENT:	Energy	
SECTION BELOW FOR USE OF CABLE SECTION					
CHECKED FOR DISPATCH					

OFFICE MEMORANDUM

INT/83/005
NRIC

DATE: March 12, 1985

TO: Distribution

FROM: Masood Ahmed, Deputy Chief, EGYEA 

EXTENSION: 73996

SUBJECT: ESMAP: THE GAMBIA - Solar Water Heating Retrofit
Project - Blue Cover Report

n/a

1. I am pleased to attach a copy of the final version of the above report which incorporates the findings of a mission comprising Messrs. Amarquaye Amar and Robert Chronowski (consultant) who visited The Gambia in April 1984 under the joint UNDP/World Bank Energy Sector Management Assistance Program (ESMAP).
2. You may recall that the Energy Assessment Report on The Gambia¹ reviewed options for reducing the cost of energy inputs in the country's economy through fuel substitution and concluded that the application of solar water heating (SWH) systems held promise in that context. Solar water heaters have not yet been exploited in The Gambia because there is a general lack of awareness about the potential benefits. Also potential users have had difficulty in obtaining reliable information on suppliers and the costs of SWH systems. The Government sought ESMAP assistance to formulate a strategy to promote SWH use starting with the tourist industry where it was agreed that the economic benefits to The Gambia could be significant both in terms of reducing the level of petroleum imports and reducing the net costs of operating inputs to the tourist industry.
3. The attached report responds to that request. It (a) confirms the technical and economic feasibility of retrofitting existing diesel oil-fired and electric water heating systems with SWH systems in the five major tourist hotels; (b) defines a strategy and work plan for extending such analyses to the remaining hotels and to selected public institutions including the Royal Victoria Hospital, the Bansang Hospital, and the Gambia College; and (c) defines terms-of-reference for a survey to establish the market potential for SWH in the residential sector. The project will require a total investment of about US\$0.5 million including technical assistance to supervise its implementation. The proposed SWH retrofits at the five hotels will save up to 350,000 liters of diesel-oil

1/ The Gambia: Issues and Options in the Energy Sector, Report
No. 4743-GM, dated November 1983.

imports (valued at over US \$0.16 million) annually. The economic rate of return based on fuel savings and a 15-year SWH system life would be about 33%.

4. A draft of this report was discussed in December 1984 with the Government of the Gambia which cleared the report for publication and distribution under ESMAP. It is hoped that the report will assist the Government and the hotel owners in securing financing for the retrofits. A number of bilateral and multilateral financial agencies have already expressed interest in financing the proposed project.

5. Please address any comments on the report to Mr. A. Armar (extension 74221) or myself (extension 73996).

Attachment

Distribution:

Messrs. O'Brien (WANVP); Fuchs, Husain, Bouhaouala (WAPEG)
Bauer, Aiyer, Al-Khafaji, Andersen (WAP);
Landell-Mills (WA2);
Rajagopalan, Raphaeli, de Azcarate (PPD);
Richardson (CDD);
Riley, Burney (IRD);
Antoine (CAI);
Kohli, Gamba (IND);
Dherse, Ludvik, Weissman (EISVP);
Rovani, Bourcier, Hume, Sadove, Heron, Fish, Saunders,
Dosik, Kalim, McCarthy, Iskander, Bharier, Bates (o/r) (EGY)
Rothermel, Harland, Cox (UNDP, New York);
Demeska, UNDP Res. Rep. (Banjul, Gambia)

Mmes. Haug (IND); Vitagliano-Castelli, Bruns (WA2); Di Tullio (WAP)

cc: EGYEA Professional Staff (w/o attachment)

AA
AArmar:mt

mt

OFFICE MEMORANDUM

Central File

DATE: March 6, 1985

TO: Distribution

FROM: Hans Fuchs, Director, WAP, and
Yves Rovani, Director, EGY

SUBJECT : Review and Clearance Procedures for ESMAP Reports in
Western Africa Region

1. Attached please find a set of procedures which we have approved for the review and clearance of reports prepared under the UNDP/World Bank Energy Sector Management Assistance Program, for countries in the Western Africa Region. The objective of these procedures is to establish a focal point in ESMAP activities in the Region and to ensure the continued close collaboration in this important work.

2. Please address any questions on the application of these procedures to Jean-François Bauer (Chief, WAPEG) or Masood Ahmed, Deputy Chief responsible for ESMAP in EGYEA.

Attachments

Distribution

Messrs. Thalwitz, Knotter (WANVP);
Bouhaouala (WAPDR);
Dherse, Weissman, Ludvik (EISVP);
Golan, Kohli, Gamba (IND);
Programs Division Chiefs;
EGY Managers;
WAPEG Staff;
EGYEA Staff;

Ms. Haug (IND).

MAhmed/:aaf:cnv

OFFICE MEMORANDUM

DATE: February 27, 1985

TO: Mr. Hans Fuchs, Director, WAPDR
Mr. Yves Rovani, ~~Director~~, EGY

FROM: Francois Bauer, Chief, WAPEG
Masood Ahmed, Deputy Chief, EGYEA

SUBJECT: Review and Clearance Procedures for ESMAP Reports in West Africa Region

1. The purpose of this memorandum is to obtain your agreement for a set of procedures we have developed for the review and clearance of reports prepared under the UNDP/World Bank Energy Sector Management Assistance Program (ESMAP). The objective of these procedures is to establish a single focal point for ESMAP activities in the West Africa Region. In accordance with regional guidelines, this function will be discharged by WAPEG.

2. Proposed Review and Clearance Procedures: At various stages of the preparation process, ESMAP reports are distributed according to the guidelines included in the memo dated October 15, 1984, a copy of which is attached as Annex I. The following procedures would apply to the review and clearance at each stage of ESMAP reports:

- (a) Each ESMAP activity will commence with an Activity Initiation Brief which briefly sets out the objectives of the proposed work, the methods proposed to accomplish them, the TORs for staff members and consultants to be deployed and approximate costs of the activity. This Brief is to be reviewed for substance by WAPEG, after consultation with the relevant Regional staff. EGYEA will advise WAPEG in case any comments from other parts of the Bank substantially affect the content of the proposed work.
- (b) After completion of field work, the mission produces a back-to-office report which is circulated for information and comments to the staff listed in the attachment. Generally 8-10 weeks thereafter, the mission's findings and analysis are presented in a draft White Cover Report which will be reviewed at the working level by a small (4-6 person) core-group of Bank staff from within EGY and the Region. This White Cover review will be coordinated at an informal level within EGYEA as at present.
- (c) The report would then be modified and issued under Yellow Cover for review by the Region, the EGY Front Office, and other concerned Bank divisions. A joint meeting will be held to discuss the report only if requested by any of the divisions reviewing the report or if their comments

raise issues of substance. Such a meeting, if held, will be chaired by the Regional Assistant Director, Projects.

- (d) After incorporating the comments received, EGYEA will seek formal clearance of the Region to transmit the report under Green Cover to the government. The covering memo seeking clearance will be addressed to the Assistant Director Projects, copied to the concerned Programs Division Chief and to WAPEG. The reports will be dispatched by EGYEA to the Government only after receiving written clearance from the Assistant Director Projects whose office will be responsible for obtaining any Regional staff reviews/clearances required. Since clearance of Green covers will not normally involve issues of substance -- these should be raised at the Yellow Cover stage -- clearance should take no more than a week following receipt of the report by the Assistant Director. Where a report is transmitted in a language other than English, it will not be necessary to go through the formal clearance procedures again. However, the concerned Programs division will be notified by EGYEA that the translated version of the Green Cover is being sent to the Government.
- (e) After incorporating the changes resulting from discussions with the Government, the final draft report will again be cleared by the Assistant Director Projects according to the procedure outlined in (d) above. The Assistant Director Projects will advise the Chief Economist and the RVP's office that he is clearing the report for final distribution. The covering memo seeking clearance will include a summary of the changes made in the report after discussions with the Government. This clearance, as in (d) above, should take no longer than a week following receipt of the reports by the Assistant Director.
- (f) The final Blue Cover report will then be printed and distributed within the Bank and UNDP, and dispatched to concerned Government departments as well as to multilateral and bilateral donor agencies.

3. Clearance of Non-routine Communications: EGYEA will ensure that all terms of reference and non-routine communications to the countries on ESMAP activities are cleared by the concerned Programs Division as well as WAPEG. If clearance from other Regional Projects divisions (agriculture, industry, transport, etc.) is required, this will be obtained by WAPEG. In addition, EGYEA will obtain the clearance from non-regionalized divisions (EIS/OPS) where this is required. Within WAPEG, staff members have been nominated to act as points of contact for a particular country for coordinating ESMAP work within the Region. The list of nominations is attached as Annex II. Within EGYEA, the staff

responsible for coordinating all ESMAP work in each country are listed in Annex III. In addition, other EGYEA staff members who are responsible for a particular ESMAP activity in a given country are specified in the Quarterly Status Reports. WAPEG will ensure that all relevant communications, reports, etc. are copied to the concerned EGYEA country coordinator.

4. We have also agreed to meet on a quarterly basis for a more general review of ongoing and planned ESMAP activities in West Africa. The ESMAP Quarterly Status Reports produced by EGYEA will serve as a basis for these discussions which will be held in the fortnight following the issue of the Quarterly Status Report. At these meetings, we will also discuss the ongoing and planned sector work or technical assistance activities being carried out by WAPEG to ensure that the two programs of the divisions are closely coordinated. The Regional Energy Lead Advisors (RELA) in the Energy Department as well as programs staff, and the staff of the relevant subsector divisions in IND, EGY and WAP will be informed of the meetings and invited to attend.

Attachments

cc and cleared with Mr. Bouhaouala (WAPDR)
Mr. Bharier (EGY)

ZAlahdad/MAhmed:aaf

OFFICE MEMORANDUM

TO: EGYEA Staff

DATE: October 4, 1984

FROM: Masood Ahmed, Deputy Chief, EGYEA SUBJECT: Guidelines for the Distribution of ESMAP Reports
Within the Bank

1. The attached tables provide guidelines for the distribution within the Bank (and to UNDP) of Activity Initiation Reports (AIRs), Back-to-Office Reports (BTOs), Yellow Cover Reports and Blue Cover Reports of all types (energy assessment status reports, power efficiency studies, etc.) issued under ESMAP.
2. The distribution of ESMAP Draft Green Cover Reports for clearance varies according to the different Region involved. To find out who such a report should be sent to, check if there are other ESMAP staff who have already obtained clearance for a report from the same Regional Department. If yes, ask them who they sent it to. If an ESMAP report has not yet been cleared by the Region you're working with, contact the loan officer for the country the report is written about to ask who it should be cleared by. You can find the name of the loan officer in the "Regional Country Assignments" section at the back of the World Bank Telephone directory. Once the report has been cleared, send a copy of the Final Green Cover Report for information to the people who cleared it.
3. To draw up a distribution list for a particular AIR, BTO, Yellow Cover or Blue Cover ESMAP report, follow the four steps described below, referring to the attached tables:

Step 1 - Core List

Get from Table 1 the core list of UNDP, EISVP and EGY staff who receive almost all of these reports, and of various other staff (for example at IFC) who receive Blue Cover reports only. You will have to check each staff member all the way down Table 1 to see who should received the report.

Step2 - Basic List for the Region

Identify in Table 2 the basic list of staff who work in the Region which deals with the country the report is written on, and who should receive a copy of it. For each Region, this includes staff in the office of the Regional VP, and in the (Power) Projects and Country Programs Departments. In the case of the Country Programs Departments, you will have to look up the names of the Director, Division Chief, Loan Officer and Country Economist for the country you are dealing with in the "Organizational Listing" and "Regional Country Assignments" at the back of Bank telephone directory. In this Step 2, you will only need to check on Table 2 the staff within the Region which

covers the country the report is on. Remember that distribution requirements vary by region and over time, so don't just use the regional distribution list from a previous report without checking the table.

Step 3 - List of Staff with an Interest in the Specific Subject(s) Covered by the Report

Figure out which of the subjects in Table 3 (industry, coal or lignite, woodfuels - including stoves and kilns, and transportation ^{1/}) the reports deals with. Then go through Table 3 making sure to identify all those under the subject heading who should receive the report on the basis of its specific topic and the country involved. For example, in the case of Yellow Cover Report on energy conservation in manufacturing industries in Morocco, looking under the heading "Industry Related" will show you that it should be sent to Messrs. Golan and Kohli and Ms. Haug in IND, to Mr. Rowat because he is the Chief of the IND Division which works on manufacturing, to Mr. Gamba since he heads the IND Industrial Conservation Unit, and finally to Mr. Zaidan because he is Chief of the Industrial Development and Finance Division in the EMENA Projects Department.

Remember that it is possible for a single report (for example an energy assessment status report) to deal with several of the subject areas. In that case, you'll have to check under the appropriate different subject headings to identify all staff members, who should receive a copy.

Step 4 - Other Staff with a Special Interest in the Report

This involves any staff closely involved in the field of the activity the report is about, but who have not already been covered by Step 1, 2 or 3. This would include, for example, staff members in the various program and project divisions who have been involved in the activity and to whom a separate copy of the report would be sent in addition to the one being sent to their division chief. You will to obtain the names of these staff members from the project profile for the activity. The activity manager has the responsibility for identifying these staff members and listing their names on the project profile, which is available from Angelica Fernandes.

Attachment.
NKing:aaf.

^{1/} The distribution of reports on power is already taken care of in Step 2, since all reports go to the Chiefs of the Regional Power Division. However, please note that final blue covers of power reports should be sent to the Power Division Chiefs in all regions for information.

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM (ESMAP)
STANDARDIZED DISTRIBUTION LIST

Table 1: Core List

Region and Staff Members	Title	Dept. Code	Room Number	AIR	RTO	Yellow Cover	Blue Cover
OPERATIONS POLICY STAFF							
Rajagopalan		PPD	D-1030				X
Raphaelli		PPD	D-1041				X
de Azcarate		CPD	N-536				X
IFC							
Richardson	Director	CDD	I-12-129				X
IRD							
Riley		IRD	E-808				X
Burney		IRD	E-808				X
INDUSTRY							
Golan	Director	IND	A-513				X
Kohli	Asst. Dir. Phl.	IND	A-507				X
Haug (Ms.)	Asst. Dir. Ops.	IND	A-513				X
Gamba	Chief, INDEC	IND	F-530	X		X	X
OFFICE OF THE VICE PRESIDENT							
Dhense	Vice Pres.	EISVP	C-502				X
Weissman	Prog. Coord.	EISVP	C-503	X		X	X
Ludvik		EISVP	C-503	X		X	X
ENERGY DEPARTMENT							
Rovani	Director	EGY	Front Off.	X		X	X
Hume	Asst. Dir.	EGY	Front Off.	X	X	X	X
Bourcier	Asst. Dir.	EGY	Front Off.	X		X	X
Sadove	Senior Adv.	EGY	Front Off.	X		X	X
Saunders	Econ. Adv.	EGY	Front Off.	X		X	X
Kalim	Asst. to Dir.	EGY	Front Off.	X		X	X
McCarthy (Asia/Emena) OR	Chief	EGY	Pet. Div.1	X	X	X	X
Iskander (Africa/Lac)	Chief	EGY	Pet. Div.2	X	X	X	X
Dosik	Renew. Adv.	EGY	Renewables	X		X	X
Fish	Sr. Advisor	EGY	Power	X		X	X
Heron	Financ. Adv.	EGY	Power	X		X	X
Bharier	Chief	EGY	EGYEA	X	X	X	X
Bates	Dep. Chief	EGY	EGYEA	X	X	X	X
UNDP							
Harland	New York	UNDP	New York	X		X	X
Rothermel	New York	UNDP	New York	X		X	X
Cox (3)	New York	UNDP	New York	X		X	X
RESIDENT REPRESENTATIVES							
World Bank			Country	X	X	X	X
UNDP			Country				X
EGYEA							
Professionals		EGYEA	4/6 Floors	X	X	X	X

**ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM (ESMAP)
STANDARDIZED DISTRIBUTION LIST**

Table 2: Basic List for the Regions

Region and Staff Members	Title	Dept. Code	Room Number	AIR	BTG	Yellow Cover	Blue Cover
EAST AFRICA REGION							
Jaycox	Vice Pres.	ESAVP	B-1210				X
Gulhati	Chief Econ.	ESAVP	B-1211				X
<u>Projects</u>							
Wyss	Director	EAP	A-1042				X
Gusten	Sr. Econ.	EAP	A-1042	X		X	X
Bronfman (Zaire, Burundi, Rwanda, Madagascar, Mauritius, Comoros, Seychelles, Djibouti) OR	Asst. Dir.	EAP	A-1042	X		X	X
Christoffersen (Tanzania, Malawi, Mozambique, Zambia, Zimbabwe, Botswana, Lesotho, Swaziland) OR	Asst. Dir.	EAP	A-1042	X		X	X
Loh (Sudan, Ethiopia, Somalia, Kenya, Uganda)	Asst. Dir.	EAP	A-1042	X		X	X
Wackman	Chief, Egy Div	EAP	D-611	X	X	X	X
Lethem	T.A. Adv.	EAP	C-1203	X	X	X	X
<u>Programs</u>							
(see telephone directory)	Director	EA					X
(" " " ")	Chief	EA		X	X	X	X
(" " " ")	Loan Officer	EA		X	X	X	X
(" " " ")	Country Econ.	EA		X	X	X	X
WEST AFRICA REGION							
Thalwitz	Vice Pres.	WANVP	A-313				X
O'Brien	Chief Econ.	WANVP	A-313				X
<u>Projects</u>							
Fuchs	Director	WAP	B-404				X
Husain	Sr. Econ.	WAP	A-343	X		X	X
Bouhaouala	Asst. Dir.	WAP	B-404	X		X	X
Bauer	Chief, Egy Div.	WAP	D-913	X	X	X	X
Davis	Dep. Chief, Egy	WAP	D-912	X	X	X	X
Leach (Ms.)	Adm. Asst.	WAP	D-908	X	X	X	X
<u>Programs</u>							
(see telephone directory)	Director						X
(" " " ")	Chief			X	X	X	X
(" " " ")	Loan Officer			X	X	X	X
(" " " ")	Country Econ.			X	X	X	X
EAST ASIA AND PACIFIC REGION							
Karaosmanoglu	Vice Pres.	AENVP	A-613				X
Tenal	Chief Econ.	AENVP	A-613				X
<u>Projects</u>							
Kirmani	Director	AEP	A-607				X
Baldwin	Sr. Econ.	AEP	A-600	X		X	X
Turnham (China/Korea) OR	Asst. Dir.	AEP	A-607	X		X	X
Blaxall (Thailand, Philippines, Vietnam, Laos) OR	Asst. Dir.	AEP	A-607	X		X	X
Davar (Indonesia, Malaysia, Fiji, South Pacific)	Asst. Dir.	AEP	A-614	X		X	X
Nayyar	Chief, Egy Div	AEP	C-413	X	X	X	X
Ahmed	Dep. Chief, Egi	AEP	C-419	X	X	X	X
<u>Programs</u>							
(see telephone directory)	Director						X
(" " " ")	Chief			X	X	X	X
(" " " ")	Loan Officer			X	X	X	X
(" " " ")	Country Econ.			X	X	X	X
SOUTH ASIA							
Hopper	Vice Pres.	ASNVP	H-5177				X
Holsen	Chief Econ.	ASNVP	H-5173				X
<u>Projects</u>							
Lerdau	Director	ASP	H-4049				X
Nowicki	Sr. Econ.	ASP	H-4053	X		X	X
Geli	Asst. Dir.	ASP	H-4033	X		X	X
Brandreth	Chief, Power	ASP	H-3157	X	X	X	X
Elwan	Dep. Chief, Egi	ASP	H-3173	X	X	X	X
<u>Programs</u>							
(See telephone directory)	Director						X
(" " " ")	Chief			X	X	X	X
(" " " ")	Loan Officer			X	X	X	X
(" " " ")	Country Econ.			X	X	X	X

Table 2: Basic List for the Regions
(continued)

Region and Staff Members	Title	Dept. Code	Room Number	AIB	9T0	Yellow Cover	Blue Cover
EMENA							
Wapenhans	Vice Pres.	EMNVP	H-12-071				X
Hasan	Chief Econ.	EMNVP	H-12-075				X
<u>Projects</u>							
Piciotto	Director	EMP	H-10-067				X
Ljung	Sr. Econ.	EMP	H-11-113	X		X	X
Dewey	Asst. Dir.	EMP	H-10-047	X		X	X
Reekie	Chief, Power	EMP	H-10-113	X	X	X	X
Roa	Dep. Chief, Pow.	EMP	H-10-111	X	X	X	X
EL Maaroufi	T.A. Adv.	EMP	H-11-049	X	X	X	X
<u>Programs</u>							
(see telephone directory)	Director						X
(" " ")	Chief			X	X	X	X
(" " ")	Loan Officer			X	X	X	X
(" " ")	Country Econ.			X	X	X	X
LATIN AMERICA AND CARIBBEAN							
Knox	Vice Pres.	LCNVP	A-907				X
Pfefferman	Chief Econ.	LCNVP	A-900				X
<u>Projects</u>							
van der Meer	Director	LCP	A-813				X
Ray	Sr. Econ.	LCP	A-823	X		X	X
Jennings	Asst. Dir.	LCP	A-813	X		X	X
Moscote/Linder 1/	Chiefs, Power	LCP	F-918/E-903	X	X	X	X
Halperin	Dep. Chief, Pow.	LCP	F-918	X	X	X	X
<u>Programs</u>							
(see telephone directory)	Director						X
(" " ")	Chief			X	X	X	X
(" " ")	Loan Officer			X	X	X	X
(" " ")	Country Econ.			X	X	X	X

1/ Responsible for different countries:

Messrs. Moscote/Halperin - All except those under Mr. Linder.

Linder/no deputy - Argentina, Bolivia, Colombia, Dominican Republic and Panama.

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM (ESMAP)
STANDARDIZED DISTRIBUTION LIST

Table 3: List of Staff with an Interest in the
Specific Subjects Covered by Report

Region and Staff Members	Title	Dept. Code	Room Number	AIB	RTD	Yellow Cover	Blue Cover
INDUSTRY RELATED							
Golan	Director	IND	A-513				X
Kohli	Asst. Dir. Pol.	IND	A-507	X		X	X
Haug (Ms)	Asst. Dir. Ops.	IND	A-513	X		X	X
plus relevant divisions and/or units							
Goldberg (Mining)	Chief, Div. I	IND	C-513	X		X	X
Segura (Fertilizer Refineries and other Chem. Ind.)	Chief, Div. II	IND	A-540	X		X	X
Rowat (Manufacturing)	Chief, Div. III	IND	F-504	X		X	X
Stern (Telecomm./Elec.)	Chief, Div. IV	IND	C-508	X		X	X
Gamba (Ind. Egy Cons.)	Coord. Eff. Unit	IND	F-530	X		X	X
plus Regional Departments (according to the country)							
Aguirre-Sacasa	Chief, IDF Div.	EAP	D-1149	X		X	X
Aiyer	Chief, IDF Div.	WAP	A-712	X		X	X
Gould	Chief, IDF Div.	AEP	A-414	X		X	X
Williams	Chief, IDF Div.	ASP	H-5-159	X		X	X
Zaidan	Chief, IDF Div.	EMP	H-10-113	X		X	X
Schultz/Flood	Chiefs, IDF Div.	LCP	9-802-808	X		X	X
COAL, LIGNITE OR PEAT RELATED							
Goldberg	Chief, Div. I	IND	C-513	X		X	X
Lietard	Dep. Chief, Div. I	IND	E-503	X		X	X
WOODFUELS (INCL. STOVES AND KILNS) RELATED							
Regional departments according to the country							
<u>East Africa</u>							
Christoffersen	Asst. Dir.	EAP	A-1042				X
Nekby/Marshall/ Ms Senner	Chiefs, Agr. Div.	EAP	F1007/A1140	X		X	X
	Chief, Agr. Div.	EAP	E-1005	X		X	X
<u>West Africa</u>							
Eccles	Asst. Dir.	WAP	B-404				X
Meadows/Walton/ Blanchi/Thoolen	Chiefs, Agr. Div.	WAP	D-933/A-343				X
	" "	WAP	B704/D-929	X		X	X
<u>East Asia & Pacific</u>							
Blaxall/Davar/Turnham	Asst. Dir.	AEP	A-607/A-600				X
Wadsworth/Krishna/ Hussain/Smith/	Chiefs, Agr. Div.	AEP	E-630/E-610				X
	" " "	AEP	E-624/A-642	X		X	X
<u>South Asia</u>							
Haynes	Asst. Dir.	ASP	H-4-037				X
Nottidge	Chief, Agr.	ASP	H-4-085	X		X	X
<u>EMENA</u>							
Goffin	Asst. Dir.	EMP	H-10-065				X
Ramasubbu/O'Sullivan/ Harris	Chiefs, Agr. Div.	EMP	H9047/H9113 H-9065	X		X	X
<u>LAC</u>							
van Gigch	Asst. Dir.	LCP	A-813				X
McGarry/Martinusen/ Otten	Chiefs, Agr. Div.	LCP	E-844/C-802				X
		LCP	C-913	X		X	X
plus Operations Policy Staff							
Spears	Forestry Adv.	AGR	N-1143	X		X	X
TRANSPORTATION RELATED							
Regional departments according to the country							
<u>East Africa</u>							
Loh	Asst. Dir.	EAP	A1042				X
Brown/Abe	Chiefs, Transp.	EAP	B1105/D1211	X		X	X
<u>West Africa</u>							
Guetta	Asst. Dir.	WAP	B-404				X
Soto/Apitz	Chiefs, Transp.	WAP	B-308/A-707	X		X	X
<u>East Asia</u>							
Davar/Turnham	Asst. Dir.	AEP	A-600/A-607				X
Sabeti/Carnemark	Chiefs, Transp.	AEP	F-402/B-608	X		X	X
<u>South Asia</u>							
Gelt	Asst. Dir.	ASP	H-4-033				X
Brandreth	Chief, Transp.	ASP	H-3-157	X		X	X
<u>EMENA</u>							
Pranich	Asst. Dir.	EMP	H-10-057				X
Howard	Chief, Transp.	EMP	H-12-001	X		X	X
<u>LAC</u>							
Jennings	Asst. Dir.	LCP	A-813				X
Shields/Newman	Chiefs, Transp.	LCP	D-948/A-942	X		X	X
plus Operations Policy Staff							
Bennathan	Economic Adv.	TRP	N-938	X		X	X
Johansen (Ms)		TRP	N-943	X		X	X
POWER RELATED*							
Reports already distributed to Power Divisions under Regions Core List							

* Note that Blue Cover is distributed to Power Chiefs in all regions for information.

WESTERN AFRICA REGIONESMAP COORDINATION

<u>Country</u>	<u>Leader</u>	<u>Alternate</u>
Benin	C. Sigwalt	New Engineer
Burkina	S. Mikhail	S. Mathrani
Cameroon	M. Wilton	New Engineer
Cape Verde	S. Contreras	C. Mena
Central African Republic	S. Ouahes	S. Mathrani
Chad	S. Mikhail	S. Mathrani
Congo	S. Contreras	S. Mathrani
Equatorial Guinea	S. Contreras	C. Mena
Gambia	E. Moore	S. Ouahes
Ghana	C. Mena	S. Mathrani
Guinea	S. Sneddon	S. Mikhail
Guinea-Bissau	C. Mena	S. Contreras
Ivory Coast	M. Wilton	New Engineer
Liberia	S. Contreras	S. Mathrani
Mali	J. Sneddon	S. Mikhail
Mauritania	S. Ouahes	C. Sigwalt
Niger	M. Wilton	S. Mikhail
Nigeria	E. Moore	S. Ouahes
Sao Tome & Principe	C. Mena	S. Contreras
Senegal	C. Sigwalt	S. Ouahes
Sierra Leone	C. Mena	S. Contreras
Togo	C. Sigwalt	New Engineer

cc: All WAPEG Staff, Energy Assessment (12)

WAPEG
February 1985

WESTERN AFRICA REGION**EGYEA Staff Responsible for Country Coordination**

Region/Country <u>1/</u>	Primary	Alternate
Benin	Weimper	Craig
Burkina	Craig	Muller
Cape Verde	Sanchez-Sierra	Del Buono
Gambia*	Armar	Akanda
Guinea-Bissau*	Sanchez-Sierra	Sharkey
Ivory Coast	Ferroukhi	Perine
Liberia	Sharkey	Bachrach
Mali	Craig	Muller
Mauritania	Richter	Weimper
Niger	Craig	Shanberge
Nigeria	Broadfield	Alahdad
Senegal*	Floor	Shanberge
Togo	Weimper	Muller

* Only countries where assessment mission has been completed are listed. Countries with ongoing ESMAP activities are marked with *. Assessment mission chief is country coordinator until Blue Cover Assessment Report is finalized.

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2/27/85

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BOOK OF THREE

1. MINISTRY OF MINERAL RESOURCES AND WATER AFFAIRS

GABORONE, BOTSWANA

(FOR TIBONE AND KINGSMILL)

TELEX NO. 2503 BD

2. UNDEVPRO

RESIDENT REPRESENTATIVE

GABORONE, BOTSWANA

(FOR VON SPONEK AND MCCLEOD)

TELEX NO. 2412 BD

3. PULA FINANCE

GABORONE, BOTSWANA

(FOR MATAMBO)

TELEX NO. 2401 BD

4. BOTSWANA POWER CORPORATION

GABORONE, BOTSWANA

(FOR BELL)

TELEX NO. 2431 BD

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EXTENSION:

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DEPARTMENT:

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ADDRESSED MINISTRY OF MINERAL RESOURCES AND WATER AFFAIRS (FOR
TIBONE AND KINGSMILL) COPIED PULA FINANCE (FOR MATAMBO),
BOTSWANA POWER CORPORATION (FOR BELL) AND UNDEVPRO (FOR VON
SPONEK AND MCCLEOD). RE PROPOSED TECHNICAL ASSISTANCE
ACTIVITIES UNDER JOINT UNDP/WORLD BANK ENERGY SECTOR MANAGEMENT
ASSISTANCE PROGRAM (ESMAP). FURTHER TO (A) YOUR DISCUSSIONS
WITH UNDEVPO GABORONE OFFICIALS RE PRE-INVESTMENT STUDY ON
ELECTRIFICATION OF BOREHOLE PUMPS, (B) REQUEST FOR ASSISTANCE
TO REVIEW ELECTRICITY SERVICE CONNECTION POLICY (MFDP LETTER
REFERENCE FDP/63/2/37) AND (C) REQUEST FOR ASSISTANCE TO
IMPLEMENT ENERGY AUDITS OF PUBLIC INSTITUTIONS (MFDP LETTER
REFERENCED FDP/163/2/37). WE ARE PLEASED TO CONFIRM THAT ESMAP
WILL PROVIDE NECESSARY TECHNICAL ASSISTANCE. (AAA) A MISSION
TO BE LED BY MR. AL GULSTONE (POWER ENGINEER) OF WORLD BANK
WILL VISIT BOTSWANA BETWEEN APRIL 8 AND 24, 1985. OTHER
MEMBERS OF MISSION INCLUDE MESSRS. ANTIKAINEN AND LARSSON
(POWER SYSTEMS ENGINEERS), WAHLGREN (WATER SUPPLY ENGINEER) AND
SEDIN (ECONOMIST) WHO WILL WORK EXCLUSIVELY ON STUDY ON
ELECTRIFICATION OF BOREHOLE PUMPS. MISSION WILL ALSO INCLUDE A
FIFTH CONSULTANT, MR. DWEK (POWER ENGINEER/ECONOMIST) WHO WILL

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WORK EXCLUSIVELY ON REVIEW OF ELECTRICITY SERVICE CONNECTION POLICY. MR. GULSTONE WILL TAKE PART IN INITIAL MEETINGS AND MISSION WILL LIAISE CLOSELY WITH MMRWA STEERING GROUP. (BBB) PRE-INVESTMENT STUDY ON PUMP ELECTRIFICATION. OBJECTIVES OF MISSION IS TO COMPLETE FEASIBILITY PHASE OF STUDY AND TO BEGIN DEFINITION OF SECOND PHASE ON DETAILED PRE-INVESTMENT ASPECTS. MESSRS. ANTIKAINEN, LARSSON PROPOSE TO MEET OFFICIALS OF BPC AND DEE TO DISCUSS RURAL ELECTRICITY DISTRIBUTION ASPECTS. MESSRS. SEDIN AND WAHLGREN PROPOSE TO MEET OFFICIALS OF DWA AND CTO TO REVIEW ONGOING PROJECTS AND TO DISCUSS OPERATION OF PUMPS AND EXISTING LOGISTICS AND COSTS OF SUPPLYING DIESEL TO REMOTE PUMPS INCLUDING LIVESTOCK WATERING POINTS. MISSION ALSO PROPOSE TO VISIT A SELECTION OF RURAL PUMP SITES DURING THEIR STAY IN BOSTWANA. WE WOULD APPRECIATE MMRWA MAKE NECESSARY APPOINTMENTS FOR MISSION MEMBERS. AT END OF FIELDWORK, MISSION WILL PROVIDE MMRWA STEERING GROUP MEMBERS WITH FULL BRIEFING ON THEIR FINDINGS AND PRELIMINARY CONCLUSIONS. AN ESMAP DRAFT REPORT ON PHASE ONE WILL BE PREPARED AND LATER SENT TO MMRWA FOR REVIEW BY YOUR GOVERNMENT. AT THE TIME OF DISCUSSING DRAFT PHASE ONE REPORT

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WITH YOUR GOVERNMENT WE PROPOSE TO FINALIZE SCOPE OF WORK AND
TIMING FOR PHASE TWO. THE SWEDISH INTERNATIONAL DEVELOPMENT
AGENCY (SIDA) IS COFINANCING PUMP ELECTRIFICATION STUDY WITH
ESMAP. THE UN DEPARTMENT OF TECHNICAL COOPERATION FOR
DEVELOPMENT (UNDTCD) IS ALSO SPONSORING MR. SEDIN (CONSULTANT
ECONOMIST). (CCC) REVIEW OF ELECTRICITY SERVICE CONNECTION
POLICY. MISSION MEMBERS MR. DWEK WILL BE RESPONSIBLE FOR
POLICY REVIEW. WE WOULD APPRECIATE MMRWA MAKE SEPARATE
APPOINTMENTS FOR MR. DWEK TO MEET WITH CONCERNED OFFICIALS OF
BPC, DEE, BHC, AND MINISTRIES OF FINANCE AND DEVELOPMENT
PLANNING (MFDP) AND OF LOCAL GOVERNMENT (MLGL). DISCUSSIONS
AND REVIEW WILL BE ALONG LINES OF TERMS-OF-REFERENCE ATTACHED
TO MFDP LETTER (REFERENCED FDP/63/2/37). MR. DWEK PROPOSES
ALSO TO VISIT SOME RURAL AND URBAN HOUSING ESTATES DURING HIS
STAY TO MEET SOME CONSUMERS. MISSION WILL PROVIDE SEPARATE
BRIEFING ON THE FINDINGS AND PRELIMINARY CONCLUSIONS OF REVIEW
TO THE MMRWA STEERING GROUP. AN ESMAP DRAFT REPORT ON THIS
ACTIVITY WILL LATER BE SENT TO MMRWA FOR REVIEW BY YOUR
GOVERNMENT. (DDD) ENERGY AUDITS ON PUBLIC INSITUTIONS. WE ARE
REVIEWING YOUR TERMS-OF-REFERENCE ATTACHED TO MFDP LETTER

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(REFERENCED FDP/163/2/37) AND EXPECT TO INFORM YOU OF OUR PLANS SHORTLY. (EEE) WE ARE INTERESTED IN ASSISTING MMRWA ENERGY UNIT TO DEVELOP AND IMPLEMENT PROGRAMS TO ADDRESS PROBLEMS ON HOUSEHOLD AND RURAL ENERGY SUPPLY. WE WOULD APPRECIATE YOUR INFORMING US OF STATUS OF RURAL ENERGY SURVEY. (FFF) PLEASE INFORM US IF TIMING OF ABOVE ESMAP MISSION IS CONVENIENT FOR YOUR GOVERNMENT, REGARDS, ROBIN BATES, DEPUTY CHIEF, ENERGY ASSESSMENTS DIVISION, WORLD BANK.

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CLASS OF SERVICE: telex

TELEX NO.:

DATE: 03/05/85

SUBJECT:
ESMAP TA ACTIVITIESDRAFTED BY:
AARmar:mtEXTENSION:
74221

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cc & cleared with Alun Morris (EAL);
M. Aguilar (ESPEG)
cc: Messrs. Wackman, Besant-Jones (ESPEG)
(see Attachment)

AUTHORIZED BY (Name and Signature):
Robin Bates, Deputy Chief (EGYEA)DEPARTMENT:
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THE WORLD BANK / INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

DATE: March 1, 1985

TO: Distribution

FROM: Masood Ahmed, Deputy Chief, EGYEA

SUBJECT: ESMAP: Quarterly Status Report

1. I am attaching for your information and comments, a copy of the latest status report on the Energy Sector Management Assistance Program (ESMAP). This report is divided into three parts:

- I. A summary table on the numbers of completed and current ESMAP activities by major grouping;
- II. A brief description of activities completed to date under this Program, as well as information on the current status of implementation of these activities;
- III. Listing, status and brief description of all ongoing activities as well as activities planned to start in the next three months - this section is further subdivided by Regions to facilitate easy reference.

2. During the past three months, four ESMAP activities have been completed bringing to 31 the total number of activities successfully completed under the Program since its inception. A further 61 activities are at various stages of preparation. In terms of country coverage, the Program has now been active in 36 countries. 1/

3. I would appreciate any comments or suggestions you might have on the attached report or on the Program's current activities. Additional copies of this Quarterly Status Report as well as of the Quarterly Information Brief on the Energy Assessments and ESMAP Programs, which is designed for external dissemination, can be obtained by calling 7-3996.

Attachment.

1/ Bangladesh, Botswana, Burundi, Costa Rica, Ethiopia, Gambia, Guinea-Bissau, Haiti, Indonesia, Kenya, Liberia, Lesotho, Malawi, Mauritius, Morocco, Nepal, Niger, Nigeria, Panama, Papua New Guinea, Paraguay, Peru, Rwanda, Senegal, Seychelles, Sri Lanka, Sudan, Tanzania, Uganda, Zambia, Zimbabwe. In addition Western Samoa, Vanuatu, Solomon Islands, PNG, Tonga and Fiji will be the subject of a regional petroleum supply study.

Distribution:

Messrs. Dherse, Weissman, Ludvik (EISVP);
Wyss, Bronfman, Christoffersen, Loh, Wackman, Gusten,
Lethem (EAP);
Fuchs, Bouhaouala, Bauer, Davis (WAP);
Kirmani, Turnham, Blaxall, Davar, Gould, Nayyar, Ahmed (AEP);
Lerdau, Geli, Brandreth, Elwan, Nowicki (ASP);
Piccioto, Dewey, Reekie, Mathai (EMP);
van der Meer, Jennings, Moscote, Linder, Graves (LCP);
Gulhati (ESAVP); Kraske (EA1);
Schott, Elmendorf, de Capitani (EA2);
O'Brien (WANVP); Humphrey, Reese, Hinkle, Isenman (WA1);
Dutt (AEA); Rao (RSI, Indonesia); Baldwin (AEP);
Chernick, Tsantis (ASA); Colaco (EM1); Asfour (EM2);
Richardson (CDD); Rajagopalan, Raphaeli (PPD);
Riley, Burney (IRD); de Azcarate (CPD); Spears (AGR);
Bennathan (TRP); Vibert (VPCOF); Taylor (LEG);
Golan, Kohli, Gamba, Segura, Rowat, Dervis, Stern,
Goldberg (IND);
Rovani, Sadove, Bourcier, Hume, Fish, Dosik, Heron, Saunders,
McCarthy, Iskander, Bharier, Daffern, Batzella, Kalim,
Bates (EGY);
Harland, Rothermal, Cox (UNDP, New York);

Mesdames: Johansen (TRP); Haug (IND); Hamilton (AEA); Marshall (EAP)

cc: EGYEA Staff

MAhmed:aaf

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM

QUARTERLY STATUS REPORT

MARCH 1, 1985

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM

Summary of
Completed and Current
Activities

	Completed	Current	Total
<u>Energy Assessment Status Reports</u>	<u>14</u>	<u>8</u>	<u>22</u>
<u>Project Formulation and Justification</u>	<u>9</u>	<u>41</u>	<u>50</u>
Electric Power Subsector	7	8	15
Energy Efficiency	1	12	13
- Large Industry	(0)	(7)	(7)
- Rural Industry	(1)	(4)	(5)
- Transport	(0)	(1)	(1)
Fuel Substitution	0	2	2
Renewables/Biomass	1	19	20
- Solar Applications	(1)	(6)	(7)
- Stoves/Kilns	(0)	(7)	(7)
- Woodfuel Plantations	(0)	(3)	(3)
- Other	(0)	(3)	(3)
<u>Institutional and Policy Support</u>	<u>8</u>	<u>12</u>	<u>20</u>
Assistance to Energy Institutions	6	4	10
Preparation of Investment/TA Programs	1	3	4
Aid Coordination	0	2	2
Petroleum Product Supply Arrangements	1	3	4
<u>Total</u>	<u>31</u>	<u>61</u>	<u>92</u>

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM**Status of Completed Activities
as of March 1, 1985**Activity
ReportDate of
CompletionBangladesh: Priority Investment Program for Energy:

May 1983

On the basis of several visits to Bangladesh, a consultant (Ansari) has identified high priority energy investments, particularly in the power and natural gas subsectors. An Activity Completion Report for this task was issued in May 1983. However, at the request of the Government and Programs staff, the report is not being distributed outside the Bank.

Sudan: Management Assistance to the Ministry of Energy

May 1983

and Mining: At the request of the Minister of Petroleum, endorsed by the Assessment Mission, a consultant (Ansari) visited Sudan from February 22-April 1, 1983 to help establish a data reporting and monitoring system which would enable the senior policy-makers in the Ministry to take prompt and informed decisions on key sector issues. This work has also identified the need for a clearer definition of the functions of different departments in the Ministry. The results of this work were incorporated in the Energy Assessment Report. An Activity Completion Report was issued in May 1983.

Panama: Power System Loss Reduction Study:

June 1983

In their mission of January, 1983, Sear et al identified possible reductions of power distribution losses. Some of these measures were incorporated in the Bank's second power distribution loan. An Activity Completion Report was issued in June 1983.

Zimbabwe: Power System Loss Reduction Study:

June 1983

A mission (Sear et al) visited Zimbabwe in November 1982 to evaluate the potential for reducing losses in the electric power distribution network. The mission identified substantial savings that could be realized in the short and medium term. An Activity Completion Report was circulated in June 1983. Funding for the

implementation of some of these recommendations may be included in the next Bank-assisted power project.

Papua New Guinea: Energy Assessment Status Report:

July 1983

A mission (Ahmed/Prasad) visited Papua New Guinea in early June, 1983 to prepare this report which was cleared by the Government in the field and subsequently issued in final form in July 1983.

Sri Lanka: Power System Loss Reduction Study:

July 1983

A mission (Sear et al) visited Sri Lanka in March-April, 1983 to evaluate the potential for reducing power distribution losses. Significant potential savings have been identified both in distribution and through improvements in the efficiency of generating plant. The Government has begun to implement the recommendations of the report by setting up a T&D loss reduction program with Bank assistance. The rehabilitation of the Kelanitissa steam plant is expected to take place in 1985 when the plant can be withdrawn from service. Funding for this activity is being sought.

Mauritius: Energy Assessment Status Report:

October 1983

This report was prepared in conjunction with a September 1983 supervision mission for the ongoing Energy Planning Technical Assistance Project. Having been cleared by the Government in the field, the report was issued in final in October. The report outlines the considerable progress that has been made in developing Mauritius' bagasse potential but it also identifies the need for further Government action and external assistance in the area of demand management and institutional coordination.

Malawi: Technical Assistance Package to Improve the Efficiency of Fuelwood Use in the Tobacco Industry:

November 1983

The objective of this task was to evaluate the various technical options for improving the efficiency of wood use in the tobacco industry and to define a program to begin achieving these improvements. The work was carried out by a June 1983 mission comprising (Wagner (EAL), Lambert, Stocks (consultants)). The mission's report has been circulated in final and has identified a \$350,000 pilot program to begin achieving these savings. This pilot program

is being financed under the Bank's second technical assistance credit for Malawi.

Sri Lanka: Energy Assessment Status Report:

January 1984

This report which was prepared by a December 1983 mission (Ahmed/Kraske), reviewed the significant progress made in the energy sector since the May 1982 issuance of the Energy Assessment Report. The report also identified a number of areas where further technical assistance was required. Some of this assistance (in the area of energy efficiency improvements) is being provided through the ESMAP.

Malawi: Energy Assessment Status Report:

January 1984

This report was prepared by an August 1983 mission (Ansari). The report has identified the priority technical assistance requirements, most of which are being picked up through an IDA assisted TA project.

Burundi: Energy Assessment Status Report:

February 1984

A staff mission (King) visited Burundi in September 1983 to evaluate developments in the energy sector since the June, 1982 issuance of the Energy Assessment Report, and to identify the need for further technical assistance in implementing the Assessment recommendations. The final report, issued in February 1984, was circulated by the Government at the UNDP sponsored Donors Round Table Meeting in Bujumbura held in the same month.

Burundi: Petroleum Supply Management:

February 1984

A September 1983 mission (Rocheron/King) reviewed existing and alternative arrangements for the import and distribution of petroleum products. The Activity Completion Report sets out a number of recommendations on diversifying supply routes and strengthening the Government's capacity to formulate and implement a cost effective petroleum supply strategy. It also includes a proposal for technical assistance over a one year period to help the Government develop this capability. The technical assistance package identified in the report has been included as a component in a proposed IDA power project in Burundi.

Kenya: Power Sector Efficiency Audit

April 1984

The objective of this audit is to define short and medium term measures to implement cost effective modifications to system facilities, operations and construction standards that will improve the technical efficiency of the power system and reduce non-technical losses. The audit was

conducted by a two-man team (Messrs. Banks and Colette) which visited Kenya in early September. The mission has identified a \$11 million investment and TA package for reducing system losses and rehabilitating the Kipevu steam plant. These investments are expected to result in annual benefits of \$10.5 million. Funding for the implementation of this project is being provided by a grant from the Canadian International Development Agency.

Bangladesh: Energy Assessment Status Report:

April 1984

The Energy Assessment Report for Bangladesh was issued in October 1982. Since then there have been a number of developments in the sector, including the preparation of a renewable energy sub-project by the Bank. Other donor agencies have also acted on recommendations made in the Assessment. These developments were summarized in a status report prepared by a November, 1983 mission (Mitchell). The report also identifies further areas where technical assistance is required. The final report was sent to Bangladesh in April, 1984 for distribution to the Government and donor agencies.

Rwanda: Energy Assessment Status Report:

May 1984

A draft of this report, prepared on the basis of a September 1983 mission was discussed and cleared with the Government in February 1984. The final report was issued in May 1984. Two of the priority technical assistance activities identified in the report (preparatory work on improved charcoal stoves and more efficient charcoal kilns) are being undertaken with ESMAP financing.

Sudan: Power Sector Efficiency Audit

June 1984

This audit was conducted by a mission (Banks and Collette) which visited Sudan in August 1983. The report was discussed with the Government by a mission (Alahdad) in March 1984 and issued in final in June 1984 after circulation within the Bank. The report has identified a short-term rehabilitation program of US\$3.3 million with an economic payback of 1-2 years and recommends additional longer-term measures costing over US\$18 million. The measures recommended in the report are being financed mainly by USAID and consideration is being given to possible financing from savings from the Power III Project.

Kenya: Energy Assessment Status Report

August 1984

This report was based on a staff mission (Newcombe) sent to the Government for final clearance in August 1983. The report has identified a number of areas where further technical assistance is necessary. A February 1984 mission discussed the report and its follow up with the Government. The final report has been issued and sent to Kenya for distribution to the Government and the donor agencies.

Zimbabwe: Energy Assessment Status Report

August 1984

The report was cleared by the Government and published in August 1984. A follow-up mission (Armar) in October defined the scope of potential ESMAP assistance in the areas of industrial energy conservation, petroleum sector management and institutional support for the establishment of ZESA.

Uganda: Energy Assessment Status Report

August 1984

This report was prepared by a mission (Alahdad and Frueh) visiting Uganda in June 1984. Having been cleared by the Government in the field, the report was issued in final in August after internal review. The Government has requested ESMAP support for six of the seven technical assistance activities identified in the report. One of the six, an Energy Sector Institutional Review, has been completed in January 1985. Under a second activity a mission was fielded in November 1985 to identify the scope of industrial energy conservation. In the field of rural energy efficiency, ESMAP is examining measures to improve energy use in tobacco curing and brick and tile production. Partial funding for some of these activities is likely to be provided through the UNDP/IPF for Uganda.

Seychelles: Power System Efficiency Study

August 1984

A mission including staff (Mitchell) and consultants (Haal, Nygren) visited the Seychelles during March 1984 to define the scope, costs and benefits of a technical assistance project to improve the efficiency of the electric power system. The project has identified a \$500,000 project comprising: (i) development of a cost-related tariff structure; (ii) a training program in the optimal operation of diesel-fired generating units; (iii) development of an efficient maintenance system plan; (iv) improvement of the power factor through the installation of capacitors; and (v) use of microcomputer facilities for monitoring system

losses, maintenance data, etc. Funding for this project is being sought by the Government of the Seychelles.

Indonesia: Energy Assessment Status Report

September 1984

A mission (Ahmed/Mitchell) visited Indonesia during May 1984 to prepare this report and to identify the potential for ESMAP assistance in the country. The focus of the assistance needs identified is in the area of improving energy efficiency in power generation, rural industry and cookstoves. Some of this work is now underway with ESMAP assistance.

Papua New Guinea: Institutional Review in the Energy

October 1984

Sector The June 1983 Assessment Status Mission identified this task as one of high priority. The Government requested that such a review be carried out under the ESMAP. A mission (Prasad/Alahdad/Dumestre) visited PNG in October/November 1983 to conduct this review. Their draft report on institutional restructuring, staffing, training and technical assistance was sent to the Government in January 1984. The final report has been issued and sent to the Government and the donor agencies.

Papua New Guinea: Power Tariff Study

October 1984

A number of electricity autogeneration and cogeneration opportunities have been identified but are not being exploited because of the inappropriate tariffs/regulations governing this activity. A mission (Alahdad/Dwek) visited Papua New Guinea in November 1983 to assist the Government/ELCOM in reviewing and modifying the tariff structure based on the long-run marginal costs. The draft report and the Bank's comments were discussed with the Government by the Bank Power III Project identification mission in April 1984. An Activity Completion Report has been issued and sent to Papua New Guinea for distribution to the Government and the donor agencies.

Senegal: Energy Assessment Status Report

November 1984

The July 1983 Energy Assessment Report has generated considerable interest in follow up both within the Bank and among bilateral donors (notably Canada and France). A mission (Ahmed/Floor) visited Senegal in July, 1984 to review the progress made in implementing the major recommendations of the Energy Assessment Report and to identify the priority areas where further technical assistance was required. The report has

identified priority activities in the field of solar energy and energy conservation for which the Government has requested ESMAP assistance. These activities are now in varying stages of implementation (see Part III).

Sudan: Energy Assessment Status Report

November 1984

This report was prepared by a mission (Alahdad/Frueh) who visited Sudan in July-August 1984. It reviews the recent developments in the energy sector, follows up the actions taken by the Government on the recommendations of the 1983 Assessment Report and identifies further technical assistance priorities.

Costa Rica: Recommended Technical Assistance Projects

November 1984

A mission (Liebenthal/Bachrach/Chronowski) visited Costa Rica in May 1984 to review with the Government a number of technical assistance possibilities whose priorities had been identified in the January 1984 Assessment Report. As a result of the discussions, a package of terms of reference for the following four technical assistance projects has been completed: (i) the establishment of a maintenance program for buses; (ii) a program to assess the feasibility of charcoal production from forest residues; (iii) three studies to improve ICE's planning tools and system function; and (iv) a study of fiscal policy and petroleum prices. The report also includes an estimated costing and scheduling for the above studies.

Zambia/Zimbabwe: CAPCO: Institutional Review

November 1984

The Governments of Zambia and Zimbabwe had asked the Bank to assist in the work of a bilateral commission which was set up to review the future role and functions of the Central African Power Company (CAPCO). ESMAP funding was used to finance the services of the outside chairman (Damry) for this commission. The commission has now completed its report but at the request of both the Governments and the Region it will not be circulated.

Nepal: Energy Assessment Status Report

January 1985

A mission (Mian/Mitchell) visited Nepal in July 1984 to prepare this report and to identify the potential areas for further ESMAP assistance in the country. The activity completion report was sent to the Government in January 1985. The report identifies priority technical assistance activities in the areas of energy management and small hydro development.

Uganda: Institutional Review of the Energy Sector

January 1985

The purpose of this Review was to recommend a set of measures for strengthening the Government's planning and policy-formulation capability focussing primarily on the establishment and operation of the Energy Department within the Ministry of Power, Posts and Telecommunications. A report based on the findings of a mission to Uganda in June 1984 was finalized and issued under ESMAP in January 1985. The measures recommended in the report include organizational restructuring, staffing, provision of short-term specialists, training and specialized equipment. The \$670,000 technical assistance program defined in the report is proposed to be financed under the Bank's Power II Project.

Bangladesh: Power Sector Efficiency Study

February 1985

A mission visited Bangladesh in July/August 1984 to review the existing power system loss reduction program of the Bangladesh Power Development Board and to propose measures to accelerate the reduction of losses to economic levels. The mission identified the sources of losses and prepared specific recommendations for implementing the loss reduction program. The draft report containing the mission's findings was cleared with the Government in October 1984 and the Activity Completion Report was issued in February 1985. The report identifies about US\$56 million in potential investments, half of which are expected to be financed through the next IDA-assisted project.

Gambia: Solar Water Heating Retrofit Project

February 1985

This report was discussed and cleared with the Government in December 1984. The Activity Completion Report was issued in February 1985. The report, which is a pre-investment analysis of solar water heating retrofit at the five largest tourist hotels, also includes terms of reference to extend the experience to the remaining tourist hotels and to evaluate the potential for solar water heating in the residential and institutional sectors. The total investment for the retrofit program is estimated at US\$500,000, including spares, contingency, and technical assistance.

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM

STATUS REPORT AND WORK PROGRAM FOR EAST AFRICA

Country/Activity		Principal Staff	Stage Completed	Mar.	Apr.	May	Comments
		<u>Ongoing and Planned Activities</u>					
Botswana	Review of Electricity Service Connection Policy	Armar/Gulstone	(3)	4	5	6	Request received from Govt.
Botswana	Energy Audit at Public Inst.	Armar/Gulstone	(2)	3			
Botswana	Elec. of Pumps at Waterwells	Armar/Gulstone	(3)	4,5		6	Will be cofinanced by SIDA.
Burundi	Asst. for Petroleum Expl. Strategy	Postvedt	(6)		7,8	9	
Burundi	Assistance for Energy Round Table	King/Petcu	(8)	9			
Burundi	Improved Charcoal Stoves	Floor/de Lapeleire	(6)	7	8	9	
Burundi	Institutional and Industrial Use of Peat	Floor	(6)	7	8	9	
Ethiopia	Power Sector Efficiency Audit	Gulstone/Banks	(6)	7,8	9		Results to be incorporated in Power Efficiency Report. 18-month project; cofinanced by the Netherlands Government and ILO.
Ethiopia	Power Supply Options for Eress ICS	Gulstone/Bachrach	(6)				
Ethiopia	Improved Woodstoves Project	Floor/Cicelski	(6)		7*		
Ethiopia	Briquetting of Crop Residues	Floor/Mendis/Leitmann	(6)	7	8	9	
Ethiopia	Surplus Bagasse Potential	Floor/Terrado Leitmann	(6)		7	8	
Kenya	Solar Water Heating Program Review	Malik/Akanda	(3)	4	5		Cofinanced by the Netherlands Government. 12-month project.
Kenya	Peri-urban Fuelwood Plantations Feasibility	Mian/Sparks	(3)		4	5	
Kenya	Coal Conversion Action Plan	Mian/Broadfield	(3)	4,5	6	7*	
Kenya	Energy Efficiency in Tea Drying Industry	Mian/Broadfield	(3)				Cofinanced by Australian Government.
Kenya	Power Sector Master Plan	Mian/Chaves	(3)	4		5	Cofinanced by CIDA.
Lesotho	Energy Assessment Status Report	Kiwana	(5)	6		7	
Rwanda	Charcoal Production	Floor	(4)	5		6	
Rwanda	Improved Charcoal Stoves	Floor	(6)		7		
Sudan	Solar Water Heating Project	Malik	(6)		7	8	
Tanzania	Fuelwood Project	Kiwana/Sparks	(2)		3	4	
Uganda	Institutional Review of the Energy Sector	Alahdad/Kennedy	(9)				UNDP Document being reviewed in Bank.
Uganda	Energy Efficiency in Tobacco Curing Industries	Alahdad/Frueh	(6)	7	8		
Uganda	Tobacco Curing Pilot Project	Alahdad/Frueh	(3)	4	5	6	
Uganda	Energy Efficiency in Brick and Tile Industries	Alahdad/Frueh	(3)	4	5		Reconnaissance fielded in November, 1984, main mission in August, 1985
Uganda	Preliminary Industrial Energy Audit	Gaskin/Robinson	(6)		7	8	
Uganda	Power System Efficiency Audit	Gulstone	(2)	3,4	5	6	Cofinancing being sought.
Uganda	Fuelwood/Forestry Project	Sparks	(3)				
Zambia	Energy Assessment Status Report	Broadfield/Mian	(7)	8	9		
Zimbabwe	Industrial Energy Conservation	Gaskin/Armar/Krekkels	(6)	7		8	UNDP Project ZIM/84/017.
Zimbabwe	Power Sector Management	Armar/Gulstone/Johnson	(8)	9			
Zimbabwe	Petroleum Sector Management	Armar/Mian/Rivera	(5)			6	

Stages of ESMAP Activities

1. Identification, definition of assistance
2. Government request received
3. Terms of reference drafted
4. Activity Initiation Brief issued
5. Consultant hired, staff identified

6. Mission in field
7. Draft report issued for internal review
8. Draft Report sent for Govt. clearance
9. Report agreed with Govt. and issued in final
- * For longer duration projects, stage 7 refers to the timing of next back to office or an interim report

EAST AFRICA REGION
(continued)

A Brief Description of Ongoing and Planned Activities

Botswana

Review of Electricity Service Connection Policy The Government of Botswana has requested ESMAP assistance to do a comprehensive review of the policy, practices and arrangements which affect the provision of electricity supply by the Botswana Power Corporation (BPC) to residential consumers. The inadequacy of existing arrangements for low voltage connection had been noted as an important issue in the Energy Assessment Report. An AIB based on terms of reference prepared by the Government will be circulated within the Bank this month and a mission (Gulstone/Dwek) will be fielded in May 1985.

Energy Audits for Public Institutions The Government of Botswana has also requested ESMAP assistance to follow up on the recommendations of the energy assessment report as regards the promotion of energy conservation and fuel substitution measures in public institutions in the country. Terms of reference provided by the Government are being reviewed and the scope and timing of further work will be discussed with the Government during the above mission proposed for May.

Electrification of Pumps at Waterwells This pre-investment study will establish the economic viability of retrofitting existing diesel powered pumps (3 to 25 h.p.) at waterwells in Botswana with electric pumps. Currently, some 20 million liters of diesel oil (13% of total petroleum consumption) is used for pumping water in rural areas. On the basis of available information, it appears that it would be practical and cost-effective to retrofit pumps at some 500 waterwells located close to the electricity grid. Some 2.5 million liters of diesel oil will be saved annually, valued at over US\$1.0 million. The project will be implemented in two phases. The first phase is estimated to cost US\$50,000 and will require 5 man-months of work. An ESMAP mission (Gulstone/Antikainen) is scheduled to visit Botswana in April 1985 to begin work on Phase I. The second phase will expand the project into detailed pre-investment work and is estimated to cost US\$100,000. Financial support for this project will be provided by SIDA (US\$78,000), with the UNDTCD and ESMAP providing the remaining US\$72,000. The UNDTCD will also contribute staff resources (Sedin) to help implement the project.

Burundi

Assistance for Energy Round Table An ESMAP mission (Petcu/King) helped the Government prepare a portfolio of priority investment and technical assistance project profiles which were presented to potential donors at the UNDP-sponsored Round Table meeting in Bujumbura in February 1984. A number of donors have expressed interest in financing some of the identified projects. The draft completion report has been cleared by the Government and is expected to be issued in final in March.

Assistance for Developing Petroleum Exploration Strategy The objective of this task was to provide technical advice to the Government to help prepare it for negotiations with a private oil company on exploration activity in Burundi. The substantive work which comprised missions by consultants in the areas of exploration strategy and preparation for negotiations with the oil company has been completed. Some reinterpretation of gravity data was also carried out. The government has subsequently signed a petroleum exploration contract with the private oil company. The Activity Completion Report will be issued in May 1985.

Review of the Improved Charcoal Stove Program A mission visited Burundi in April 1984 to review existing efforts in developing and disseminating an improved charcoal stove primarily for use in urban households. The consultant's report detailing the mission's findings and identifying a two-year production and dissemination program for an acceptable and affordable stove design is being reviewed in the Bank and will be sent in March 1985 to the Government for their final clearance before publication. The technical assistance program defined in the report (US\$240,000), has been included as a component in an upcoming IDA-assisted energy project.

Promotion of Institutional and Industrial Use of Peat in Burundi The objective is to evaluate the technical and economic parameters associated with converting prospective industrial and institutional energy consumers to peat use. The work will also define the investment requirements and other factors associated with a program of conversion for the priority users. A mission visited Burundi in August/September 1984 and a draft report based on its findings is presently being prepared. The report identifies a pilot project of US\$400,000 to demonstrate the use of peat for industrial use.

Ethiopia

Power Sector Efficiency Audit The field work for a power system efficiency audit has been completed. A draft report on the mission's findings will be sent for review by the Government in early March and the Activity Completion Report will be issued in April, 1985. The report identifies investments of about US\$15 million. Some of the projects identified are being considered for inclusion in the IDA Third Power Project for Ethiopia.

Power Supply Options for ERESA ICS In March 1984, a mission was fielded to evaluate supply options for the Asmara region. The mission compared various options for local generation with the alternative of interconnecting with the main grid in the Addis Ababa area. This analysis led into the discussions with the Government during the appraisal of the IDA Power III project. A summary of the mission's findings will be incorporated in the Power Sector Efficiency Audit Report.

Improved Stoves Project This project will help to establish a self-sustaining improved stoves program for urban households building upon the existing artisanal capacity for stove production. The first phase of the project is estimated to cost US\$200,000 and to last about 12-15 months. Financial support for this project is being provided by the Netherlands Government (US\$75,000) and the ILO (US\$20,000). The latter is also contributing staff resources to help implement the project which was initiated in October 1984.

Briquetting of Crop Residues This activity will (a) review the technical and economic prospects of collecting presently wasted fuel-quality crop residues on Ethiopian State Farms, and (b) design, cost and provide bidding documents for a series of pilot projects covering the collection and densification of these residues into fuel briquettes. The total cost of this exercise is estimated to be US\$180,000, of which US\$92,000 will be provided by the Netherlands Government. The report will be circulated for internal review in March 1985.

Surplus Bagasse Potential This activity will assess opportunities for increasing energy efficiency in existing and planned mills to produce surplus bagasse. The technical, economic, financial and institutional feasibility of using the surplus for several alternatives, including fiber substitution in the paper and pulp industry or use by a mill itself for energy needs, will be assessed. Results will be in a form that can be readily used to prepare a project document for potential donors. The report will be circulated for internal review in April 1985.

Kenya

Solar Water Heating Project Based on the work already done by the Government and donor agencies, this project will evaluate the potential for replacing electricity by solar water heaters in the residential/commercial, industrial and institutional sectors. It will also develop a policy and incentive framework for local production and dissemination of solar water heaters. The project will require about six man-months and is expected to cost US\$80,000. The mission is scheduled for the first half of 1985.

Feasibility of Peri-urban Fuelwood Plantation This activity will build upon the work done by the Government of Kenya and various donor agencies by undertaking a pre-investment analysis for 25,000 ha of peri-urban plantations to be established by 1990 and by identifying the key policies and incentive systems required to ensure the timely implementation of this program. The activity will also prepare a broader plan of action for the longer term and will help the Government to define its role in investment planning and implementation in this important subsector. Preliminary work has started and the study is expected to be implemented over the next eight months. The estimated cost US\$250,000 will be funded largely by a special grant from the Netherlands Government.

Coal Conversion Action Plan This project will assist the Government in formulating an overall strategy and action plan for converting to

imported coal in electricity generation and the industrial sector. The activity will evaluate the potential market for coal, the infrastructure and handling required to meet this market and the alternative mechanisms for importing, distributing and financing coal supplies. The work is expected to cost US\$500,000 and would be implemented over a 12-month period starting in early 1985. Cofinancing of about US\$400,000 is to be provided by the Australian Government. The project will identify a series of infrastructure and plant modification projects amounting to between US\$100-200 million. Consultants for the project have already been selected.

Feasibility of Energy Efficiency Improvement in the Tea Drying Industry: The tea drying industry in Kenya relies both on fuel oil and wood for its process heat requirements, neither fuel being used very efficiently. The objective of this activity is to define the opportunities for reducing the cost of energy use in this industry through efficiency improvements as well as fuel substitution. Where such substitution results in an incremental demand for woodfuel, the work will also evaluate options for supplying this incremental demand through dedicated wood production. The activity would lead to substantial investments in retrofitting and possibly in fuelwood production. The work will be carried out over a 12-month period starting in May 1985 at an estimated cost of US\$175,000. Funding has been approved by the Australian Government to cofinance this activity.

Power Sector Master Plan will prepare a least cost power sector expansion plan. Cofinancing is to be provided by CIDA and the project is expected to cost \$1,000,000. Terms of reference for the study have been drafted and proposals from consulting companies are being invited to reach the Bank by mid-April.

Lesotho

Energy Assessment Status Report A mission (Kiwana) is proposed for March 1985 to prepare this report and to identify possibilities for subsequent ESMAP assistance, a request for which has been made by the Government through the UNDP Resident Representative in Maseru (June 1984).

Rwanda

Improved Charcoal Kiln Project The purpose of this activity is to prepare an action program, delineating (i) training and technical support requirements for charcoal producers to have them adopt more efficient charcoal conversion techniques; (ii) appropriate government policies with regard to the procurement of construction material, credit facilities, taxation measures and other incentives to promote the use of improved kilns; (iii) an evaluation of the feasibility of linking the producers of fuelwood to the charcoal producers; and (iv) an analysis of the possible impact of the use of improved charcoal stoves in households as well as that of improved charcoal kilns on the output of charcoal production,

price of charcoal and incomes of charcoal makers. The main mission for this project will be fielded in May 1985.

Improved Charcoal Stove Project The objective of this project is to propose an integrated program of action for the design, production, promotion, marketing and dissemination of charcoal stoves in Kigali. To that end, a pilot project will be started to test the market and consumer reactions to an improved charcoal stove design drawing heavily upon the experience of similar efforts in Burundi. Based on this experience a costed scheduled program of action will be formulated to establish a self-sustaining system for the production of improved charcoal stoves and their dissemination throughout the city. The mission has been completed and the report by the consultants will be submitted to the Bank in March 1985.

Sudan

Solar Water Heating: The Energy Assessment Status Mission in July/August 1984 identified solar water heating for low temperature commercial and industrial applications as being a promising area to exploit Sudan's renewable energy resources. The Government subsequently requested ESMAP assistance to initiate this activity. A mission completed in December 1985 concentrated on establishing the market potential for solar water heating, determining the prerequisites for penetrating/developing the identified market, and designing appropriate manufacturing and marketing strategies. It also focused on identifying pilot/demonstration projects, working out equipment and investment requirements for converting the identified establishments to solar water heating and determining the economic and financial justification of the conversion. A draft report will be circulated for comments within the Bank in April 1985.

Tanzania

Fuelwood Project As is common with several countries in the region, the extensive cutting of fuelwood, particularly around urban areas, is resulting in rapid depletion of fuelwood resources. There is an urgent need to implement a program to address these issues. It is proposed to use ESMAP resources to define the first phase of such a program which would concentrate on the development of the peri-urban fuelwood plantations and recommend measures for improving the efficiency of fuelwood use in urban areas. Fieldwork is likely to begin during the second half of 1985.

Uganda

Institutional Review of the Energy Sector See Part II for a detailed description of this activity which has been completed during this quarter.

Energy Efficiency in Tobacco Curing Industry In December 1984 an ESMAP mission was fielded to review the fuelwood supply and demand situation in Uganda's tobacco curing industry and to recommend appropriate measures to

improve the energy efficiency in this rural industrial sector. The mission's findings reveal that energy efficiency levels in the main tobacco growing areas are extremely low and future tobacco production will be constrained by fuelwood supply. The mission recommended a two-phase program to improve the energy efficiency which could alleviate the fuelwood shortfall between 1987 and 1990 and allow the tobacco industry to maintain at least 1984 production levels. Efficiency improvements identified would lead to 60% reduction in fuelwood consumption at enhanced production levels and would increase barn output by up to 20%. The mission recommended a pilot demonstration project (see below) costing about \$150,000 as well as a nationwide dissemination phase costing about \$450,000. The mission's draft report will be circulated for review within the Bank in March and the final report is expected to be distributed by June 1985.

Energy Efficiency in Tobacco Curing - Pilot Project The ESMAP activity discussed above identified a pilot project for demonstrating efficiency improvement measures in tobacco curing barns. The pilot project is designed for a period of 16-months commencing in May 1985 and costing \$150,000. The Government and the UNDP Resident Mission have reported that the project be implemented under ESMAP supervision and cofinanced from the UNDP Country IPF for Uganda. For this purpose, ESMAP staff have prepared a UNDP Project Document which is currently being reviewed within the Bank.

Energy Efficiency in the Brick and Tile Production Industry The efficiency of energy utilization in the brick and tile producing industry can be substantially improved. This industry has been identified as one in which there is an urgent need for an energy conservation program. The activity envisaged will recommend ways to improve energy efficiency focusing mainly on relatively simple and inexpensive energy conservation measures. The work would consist of identifying and evaluating alternative measures, recommending a financially and economically viable program for testing and demonstrating the measures proposed as well as defining a nationwide dissemination effort. The activity is expected to be cofinanced from the UNDP Country IPF for Uganda for which the necessary approvals are being sought. A mission to Uganda is scheduled for June 1985.

Preliminary Industrial Energy Audit The objective of this activity is to identify a cost-effective energy conservation investment program in the industrial sector. Phase I of the project was a reconnaissance mission in November 1984 to identify a conservation strategy and program, assess likely costs and benefits and carry out preparatory work for a possible Preliminary Industrial Energy Audit to be conducted in phase II. The consultants report for the first Phase was received in February 1985 and is being reviewed. The final report which would include the findings of Phase II, is expected to be issued by end-1985.

Power System Efficiency Audit As a follow up to the Energy Assessment the Government of Uganda has requested ESMAP assistance to audit the efficiency of the power system and suggest improvements principally in

the distribution system with particular emphasis on consumer services and enhancement of supply reliability. The main mission for this activity will be fielded in May 1985.

Fuelwood/Forestry Project Preparation Due to rapid depletion of fuelwood in Uganda, particularly around urban areas, there is a pressing need to increase fuelwood plantation and forest resource management activity. Towards this end, the Bank has identified a forestry project which includes peri-urban fuelwood plantations, rehabilitation of the Forestry Department, social forestry programs, improvement of natural forest management, support to wood industries and improved research. The preparation work is planned to be carried out under ESMAP. Since the costs involved (about \$300,000) are higher than ESMAP's usual contribution, cofinancing is being sought. If cofinancing arrangements are finalized, fuelwork will begin in April 1985. The Activity Completion Report would be issued in the last quarter of the year.

Zambia

Energy Assessment Status Report A mission (Mian/Broadfield) visited Zambia in November/December 1984 to update the January 1983 Energy Assessment report, review implementation of its recommendations and identify priorities for further technical assistance. Their report, which also recommends a medium-term energy sector investment program and institutional restructuring, has been reviewed within the Bank and will be sent to the government for clearance in early March. A program of follow up assistance to develop the preinvestment and technical assistance described in the report is being planned.

Zimbabwe

Industrial Energy Conservation An October 1984 mission updated the preliminary audits conducted as part of the energy assessment in 1981 and defined the cost and steps required to set up an industrial energy efficiency improvement program. The mission is preparing a pre-feasibility report which will establish guidelines for further pre-investment work on the selected industrial plants. Technical assistance for the next phase will also be defined and it is expected that this subsequent activity will be funded in part from the UNDP Country IPF for Zimbabwe.

Power Sector Management Assistance The Government of Zimbabwe and UNDP have agreed to contribute \$200,000 from the Country IPF funds for Zimbabwe towards the total cost of \$280,000 for this activity. The Green Cover ESMAP report which presents the detailed workplan for this project was sent for Government clearance in February 1985. The project consists of two main components: (a) the attachment to the Department of Energy of an experienced Power Sector Planning Adviser (12 man-months); and (b) the provision of the services of consultants on short-term assignments (total 16 man-months). Both components are intended to assist the Government to strengthen its capabilities to supervise power sector activities, and particularly to prepare and implement plans to establish the Zimbabwe

Electricity Supply Authority (ZESA). Consultants for both components of the project are being identified and the scheduled starting date for the field work is April 1985.

Petroleum Sector Management Assistance The AIB is being prepared for the proposed activity which includes: (i) the development and installation of a computerized management information system which will be used by the Department of Energy and the National Oil Company of Zimbabwe to monitor petroleum stocks and to program deliveries by bulk storage depots; and (ii) a one-week intensive seminar/workshop on petroleum industry practices for senior Government officials. The project will be implemented during mid-1985 at a cost of US\$50,000, of which US\$45,000 will be funded from the UNDP Country IPF.

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM
STATUS REPORT AND WORK PROGRAM FOR WEST AFRICA

Country/Activity		Principal Staff	Stage Completed	Mar.	Apr.	May	Comments
<u>Ongoing and Planned Activities</u>							
Gambia	Solar Water Heating	Armar/Akanda/ Chronowski	(9)				
Gambia	Petroleum Supply Management	Ferroukhi/Rivera/	(8)	9			
Gambia	Solar Photovoltaic Project	Malik/Akanda/Fraenke	(8)	9			
Gambia	Energy Assessment Status Report	Armar/Akanda	(6)	7,8		9	
Guinea-Bissau	Identification of Technical Assistance Projects	Sanchez-Sierra/ Baptista	(8)	9			Follow-up to be cofinanced by SIDA.
Liberia	Identification of T.A. Projects	Chronowski	(7)	8	9		
Liberia	Power Sector Efficiency Audit	Gulstone/Bachrach	(3)	4,5	6		
Niger	Improved Stoves	Floor	(6)				12-month project cofinanced by GTZ.
Niger	Energy Assessment Status Report	Craig/Shanberge	(5)		6	7	
Nigeria	Energy Assessment Status Report	Broadfield	(1)				
Senegal	Industrial Energy Conservation Project	Floor/Shanberge	(8)	9			
Senegal	Solar Water Heating Project	Malik/Akanda	(6)		7	8,9	Mission in field.
Senegal	Preparatory Assistance for Donor Meeting	Floor/Shanberge	(2)				

Stages of ESMAP Activities

- | | |
|---|---|
| 1. Identification, definition of assistance | 6. Mission in field |
| 2. Government request received | 7. Draft report issued for internal review |
| 3. Terms of reference drafted | 8. Draft Report sent for Govt. clearance |
| 4. Activity Initiation Brief issued | 9. Report agreed with Govt. and issued in final |
| 5. Consultant hired, staff identified | |

WEST AFRICA REGION
(continued)

A Brief Description on the Ongoing and Planned Activities

Gambia

Solar Water Heating Retrofit Project See Part II for a description of this completed activity.

Petroleum Supply Management Assistance This report on petroleum supply management, pricing and allocation was discussed and cleared with the Government in November 1984 and the Activity Completion Report will be issued in March 1985.

Solar Photovoltaic Applications Project This report, a pre-feasibility analysis of photovoltaic applications in the rural health and telecommunications sectors, was discussed and cleared with the Government in December 1984. The Activity Completion Report will be issued in March 1985. The report identifies highly profitable investments estimated at US\$612,000, consisting of US\$500,000 for hardware procurement and installation, and US\$112,000 for technical assistance.

Energy Assessment Status Report A mission (Armar/Akanda) visited the Gambia in December to prepare a status report which will provide an overview of sector developments since the preparation of the 1983 Energy Assessment. The report will also include a summary of the findings, recommendations and follow up to the technical assistance and pre-investment activities carried out under ESMAP. The draft report will be issued for review within the Bank in the second half of March.

Guinea-Bissau

Recommended Technical Assistance Projects A mission visited Guinea-Bissau in July 1984 to discuss the draft Energy Assessment Report and review with the Government a number of technical assistance priorities which had been identified in the report. As a result of the discussions, the mission prepared a package of terms of reference for seven technical assistance projects which have the common objective of strengthening the power sector. Following internal review in the Bank, the draft TORs were sent to the Government for their comments. As a consequence, the package was reduced to four projects with a total cost of US\$325,000. An Activity Completion Report will be issued in March 1985. SIDA has expressed interest in financing the projects.

Liberia

Identification of Technical Assistance Projects The October 1984 mission which discussed the Green Cover Energy Assessment Report also identified and prepared terms of reference for a number of priority projects in the energy sector. A brief description and terms of reference for further work were prepared for the following projects (i) improvement of

utilization efficiency of charcoal; (ii) pre-investment analyses of ore-drying using fuelwood; (iii) power system efficiency improvement; and (iv) review of power exchange possibilities between a mining enclave and a power utility. The draft Activity Completion Report based on the mission's findings has been reviewed within the Bank and is to be sent to the Government in March for their final review and clearance. Thereafter, the document will be circulated to potential donors, some of which have already expressed an interest in funding these activities.

Power System Efficiency Audit As a follow-up to the recent Energy Assessment, the Government of Liberia has requested ESMAP assistance to audit the efficiency of the power system and to suggest improvements. One of the major issues is to reduce the extremely high level of non-technical losses. The mission to do this work will be fielded in April 1985.

Niger

Improved Urban Cookstoves Project The objective of this project is to establish a self-sustaining production and marketing system for the dissemination of portable and prefabricated improved woodstoves. The project will build upon the successful experience gained during the development and dissemination of the "Ouaga stove" in Burkina. The project would be implemented in two phases. Phase I will establish the feasibility of the approach and carry out production and marketing on a pilot basis over an eight-month period at a cost of US\$150,000. Work of this phase has just begun. Subject to the successful evaluation of the first phase, Phase II will expand these efforts on a larger scale over an 18-month period at a cost of US\$350,000. The German Government has agreed to contribute the equivalent of US\$350,000 towards the cost of this project. Additional finance is being sought.

Energy Assessment Status Report A mission (Craig/Shanberge) is scheduled for April 1985 to prepare a status report which will provide an overview of sector developments since the Energy Assessment mission in October/November 1982. The report will develop a program of technical assistance and pre-investment activities to be carried out under ESMAP. The mission will coordinate with a SAL preparation mission scheduled for the same period.

Nigeria

Energy Assessment Status Report This report will update the August 1983 Energy Assessment Report, review progress made in implementing its recommendations and identify priority areas for further technical assistance. Discussions on the suitability and timing of such a mission are under way with the concerned staff in the Bank.

Senegal

Industrial Energy Conservation Report The July 1983 Assessment Report for Senegal recommended the development and implementation of a comprehensive energy conservation program beginning with the industrial sector for which the potential for substantial energy savings had already been established. The July 1984 Energy Assessment Status Mission included an energy conservation specialist who visited about 20 industrial plants to update the Energy Assessment's findings on the energy savings potential in the industrial sector. On the basis of the mission's findings, a report is being prepared which will set out the cost and phasing of a program that will allow the country to realize the potential energy savings within a 12-36 month period. A draft of the report has been discussed with the Government in February 1985 and the final version is expected to be issued in March 1985. The report identifies a US\$1.2 million technical assistance package that would result in conservation projects estimated at US\$22 million. This TA package is likely to be funded by the UNDP through its Country IPF with the Bank acting as executing agency.

Solar Water Heating Marketing Study The July 1983 Assessment Report for Senegal as well as the Energy Assessment Status Report identified this as a priority area for follow-up technical assistance. The objective of the project is to recover a 2,700 toe/year potential for energy savings by substituting electric and oil-fired water heating with solar water heaters (SWH). The project will focus on a market survey; local manufacturing of SWH potential; training; financial and economic analysis; roles and responsibilities of the Government and SWH related companies, and an implementation plan. A mission is presently in the field.

Preparatory Assistance for Donor Meeting For the Senegalese energy sector donors meeting to be held in June/July 1985, the Government of Senegal must prepare and distribute background documents one month prior to the meeting. The main document will be a synthesis of the different development strategies that will be proposed as well as the respective investment programs for the energy sector, 1985-1992. Included in this document will be a tariff policy study that should coordinate all aspects of energy pricing. In addition to the main document, specific documents must be prepared for each of the subsectors: electricity, petroleum, woodfuels, renewable energy and energy conservation. Responsibility for preparing the individual subsector documents rests with the related parastatal enterprises. The main synthesis is to be prepared by the Department of Energy in MDIA. However, MDIA-DE's current staff capability is inadequate to carry out this task in the tight timeframe envisaged. Consequently, the Government has requested urgent assistance through ESMAP to fund expatriate consultants to help prepare the overview document and also the subsector document on fuelwood where existing institutional capacity is particularly weak. Suitable consultants are being identified.

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM

STATUS REPORT AND WORK PROGRAM FOR EMENA

Country/Activity		Principal Staff	Stage Completed	Mar.	Apr.	May	Comments
		<u>Ongoing and Planned Activities</u>					
Morocco	Energy Assessment Status Report	Sherbiny/Muller	(6)		7,8	9	
Turkey	Energy Assessment Status Report	Sherbiny					This activity will be dropped from our future reports

Stages of ESMAF Activities

- | | |
|---|---|
| 1. Identification, definition of assistance | 6. Mission in field |
| 2. Government request received | 7. Draft report issued for internal review |
| Terms of reference drafted | 8. Draft Report sent for Govt. clearance |
| 4. Activity Initiation Brief issued | 9. Report agreed with Govt. and issued in final |
| 5. Consultant hired, staff identified | |

EMENA REGION
(continued)

A Brief Description of the Ongoing and Planned Activities

Morocco

Energy Assessment Status Report Although the Energy Assessment Status Report for Morocco was only finalized in March 1984, it was based on the findings of a February 1982 mission. Consequently, a number of developments have taken place in the energy sector since the assessment and it would also be useful to ascertain whether the priority areas for technical assistance identified by the assessment mission have altered in the interim period. The proposed energy assessment status report would provide an updated picture of sector developments and priorities and would provide a framework for any subsequent technical assistance activities under the ESMAP. The mission (Sherbiny/Muller) is presently in the field.

Turkey

Energy Assessment Status Report Although there are a number of priority areas requiring preinvestment or other technical assistance in Turkey's energy sector, the Government has indicated, through our Programs colleagues, that this activity should be carried out at a later date. Consequently, it will be dropped from the Program for the time being.

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM

STATUS REPORT AND WORK PROGRAM FOR LAC

Country/Activity		Principal Staff	Stage Completed	Mar.	Apr.	May	Comments
		<u>Ongoing and Planned Activities</u>					
Haiti	Energy Assessment Status Report	Weimper/King	(8)	9			
Haiti	Solar Water Heating	Malik/Akanda	(2)		3	4	
Haiti	Industrial Energy Conservation	Gaskin/King	(2)		3	4	
Haiti	Solar Crop Drying	Malik	(2)		3	4	
Paraguay	Identification of T. A. Projects	Sanchez-Sierra/ Martinez	(6)	7,8	9		
Peru	Cooking Efficiency Improvement Program	Floor/Sangen	(6)		7	8	
Peru	Energy Assessment Status Report	Sanchez/Sierra	(6)	7,8	9		

Stages of ESMAP Activities

- | | |
|---|---|
| 1. Identification, definition of assistance | 6. Mission in field |
| 2. Government request received | 7. Draft report issued for internal review |
| 3. Terms of reference drafted | 8. Draft Report sent for Govt. clearance |
| 4. Activity Initiation Brief issued | 9. Report agreed with Govt. and issued in final |
| 5. Consultant hired, staff identified | |

LATIN AMERICAN AND THE CARIBBEAN REGION
(continued)

A Brief Description on the Ongoing and Planned Activities

Haiti

Energy Assessment Status Report This report, prepared on the basis of a February, 1984 mission (Weimper/King) has been sent to the Government for final clearance in October 1984. After some delay, the Government's comments have been received and are being implemented in a final version of the report, to be issued in March 1985. The report identifies several priority technical assistance activities in the areas of woodfuels, bagasse, solar energy and energy conservation. The Government has requested ESMAP assistance for a number of these and their status is listed below.

Industrial Energy Conservation This activity will identify measures to be taken, whether in terms of management practices, investments (retrofitting), or fuel substitution to reduce energy consumption in the largest consumers of electricity, oil, coal and woodfuels in the industrial and commercial sectors. Work will begin in mid-1985.

Solar Water Heating This pre-feasibility study will identify the overall SWH market, recommend measures to reinforce current arrangements for SWH production and dissemination to develop this market, and define the Government's role in this effort. The mission to carry out this work will be fielded in mid-1985.

Solar Crop Drying This activity will assess the economic and technical feasibility of introducing solar crop drying equipment. The work involves: (i) identification of a specific crop in which major losses are caused by drying problems, harvested on a site with favorable climatic conditions for solar dryers; (ii) definition of the most appropriate equipment and a trial installation to assess operating and maintenance conditions; and (iii) specification of technical, institutional and financial arrangements necessary for implementing a larger scale program. Work will begin in mid-1985.

Paraguay

Identification of Technical Assistance Requirements A mission visited Paraguay in September 1984 to discuss the draft Energy Assessment Report and review with the Government a number of technical assistance priorities which had been identified in the report. As a result of the discussions, a package of terms of reference is being prepared for eight technical assistance projects (two in power, three in forestry, two in petroleum and one covering energy institutions). The size of the technical assistance proposed is US\$590,000. A draft of the Terms of Reference will be circulated within the Bank for comments in March 1985.

Peru

Cooking Efficiency Improvement Program The principal objectives of the study are: to compare traditional technologies with improved modern stoves and utensils; to identify economically viable self-sustaining ways to produce and disseminate reliable and energy efficient woodstoves; and to formulate a costed and phased program of action to achieve this. The mission has completed its work in the field and is to submit a report in March 1985.

Energy Assessment Status Report A mission visited Peru during November 1984 to prepare this report and to identify the potential for ESMAP assistance in the country. The focus of the ESMAP assistance identified is in the areas of: (a) forestry (formulation of a reforestation program in the Sierra and promotion of cooperatives in the rural forestry industries); (b) coal (prefeasibility study on coal production in Alto Chicama and Oyon and a prefeasibility study on the production of coal briquettes; and (c) institutional support (implementation of an energy information system in the Ministry of Energy and Mines). A draft report was prepared and discussed with the government in the field. A revised draft (yellow cover) will be circulated in the Bank for comments in early March 1985.

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM

STATUS REPORT AND WORK PROGRAM FOR EAST ASIA AND PACIFIC

Country/Activity		Principal Staff	Stage Completed	Mar.	Apr.	May	Comments
<u>Ongoing and Planned Activities</u>							
Indonesia	Eff. Improvement and Rehabilitation of Hydro Plants	Gulstone/Bachrach/Mitchell	(6)		7	8	
Indonesia	Eff. Improvement and Rehabilitation of Thermal Power Plants	Gulstone/Bachrach/Mitchell	(6)		7	8	
Indonesia	Preventive Maintenance for Diesel Generation	Gulstone/Bachrach/Mitchell	(6)		7	8	
Indonesia	Energy Conservation in Brick and Tile Industry	Floor/Van der Plas	(3)		4	5	
Indonesia	Cooking Efficiency Stove Project	Floor/Van der Plas	(3)		4	5	
South Pacific	Regional Study for Petroleum Transportation	Kiwana/Rivera	(2)	3	4	5	

Stages of ESMAP Activities

- | | |
|---|---|
| 1. Identification, definition of assistance | 6. Mission in field |
| 2. Government request received | 7. Draft report issued for internal review |
| 3. Terms of reference drafted | 8. Draft Report sent for Govt. clearance |
| 4. Activity Initiation Brief issued | 9. Report agreed with Govt. and issued in final |
| 5. Consultant hired, staff identified | |

EAST ASIA AND PACIFIC REGION
(continued)

A Brief Description on the Ongoing and Planned Activities

Indonesia

Power Sector Efficiency Improvement Program Following up on the Energy Assessment Status Report, a mission visited Indonesia in November/December to: (a) define and evaluate power plant (hydro, steam and diesel) efficiency improvements; and (b) prepare the terms of reference for a diesel generating plant maintenance program. The three Activity Completion Reports will be issued for review in the Bank in April 1985.

Energy Efficiency Improvement in Rural Industry This activity will make an evaluation of the various technical options to improve the efficiency of energy use in the brick and tile industry and to formulate a detailed set of proposals with regard to design and technologies, which will result in economically profitable energy savings. The work involved will include the preparation of cost estimates for the subsequent pre-investment or investment required and the definition of the appropriate role of the Government in terms of both financial and technical support for such a program. The work is expected to require about 6 months of specialist input during 1985 and cost about US\$100,000. A reconnaissance mission (Floor/Van der Plas) is presently in the field to agree on the scope and timing of the fieldwork for this activity.

Strategy for Promoting Improved Cookstoves This activity will analyze household cooking fuel and stove problems. Household cooking accounts for about one-third of national kerosene demand or over 10% of total petroleum consumption. Households use a variety of fuels and stoves with different but generally low efficiencies. Tackling these issues requires a variety of actions, but one major element would be to promote the use of more efficient cooking stoves for both kerosene and wood. The activity includes a review of the work that has been done to date, and in the light of the lessons learned from this work as well as from the experience of other countries, the study would propose an overall strategy for an improved (kerosene, wood and other) stove program and define a detailed and phased program of action to implement this strategy. The work would require about six months of specialist input and cost about US\$90,000. A reconnaissance mission (Floor/Van der Plas) is presently in the field to agree on the scope and timing of the fieldwork for this activity.

South Pacific

Regional Study of Petroleum Transportation in the South Pacific The objective of this study is to establish the least-cost regional petroleum procurement strategy for countries in South Pacific (Western Samoa, Vanuatu, Solomon Islands, Papua New Guinea, Tonga and Fiji). The terms of reference for this work are being prepared and will be discussed with the concerned Governments in mid-1985.

ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM

STATUS REPORT AND WORK PROGRAM FOR SOUTH ASIA

Country/Activity	Principal Staff	Stage Completed	Mar.	Apr.	May	Comments
<u>Ongoing and Planned Activities</u>						
Bangladesh Power Sector Efficiency Audit	Gulstone/Bachrach	(9)				
Bangladesh Small Uses of Gas Prefeasibility Study	Mashayekhi/Sherbiny	(5)	6		7	
Nepal Energy Assessment Status Report	Mian/Mitchell	(9)				
Sri Lanka Industrial Energy Conservation	Gaskin	(8)	9			
Sri Lanka Transport Energy Conservation	Gaskin	(6)		7		

9 of ESMAP Activities

- | | |
|---|---|
| 1. Identification, definition of assistance | 6. Mission in field |
| 2. Government request received | 7. Draft report issued for internal review |
| 3. Terms of reference drafted | 8. Draft Report sent for Govt. clearance |
| 4. Activity Initiation Brief issued | 9. Report agreed with Govt. and issued in final |
| 5. Consultant hired, staff identified | |

SOUTH ASIA REGION
(continued)

A Brief Description on the Ongoing and Planned Activities

Bangladesh

Review of Power Sector Efficiency Program See Part II for a detailed description of this activity, which has just been completed.

Small Uses of Gas Prefeasibility Study This study will identify the economic potential for expanding the use of abundant natural gas among small industrial and commercial users. It will also generate a costed and phased program to realize this potential and prepare a methodology to replicate this work in other countries where natural gas is in abundant supply.

Nepal

Energy Assessment Status Report A detailed description of this activity, which was completed in the last quarter, can be found under Part II of this report.

Sri Lanka

Industrial Energy Conservation Study This work involved carrying out prefeasibility studies of possible energy improvements in 16 industrial plants, one hotel and one hospital in Sri Lanka, as part of an ongoing Government of Sri Lanka program to promote energy conservation in industry. The studies identified highly profitable retrofitting projects involving investments of US\$9.1 million, with simple economic paybacks ranging from 0.9 to 3.5 year and averaging 1.8 years. Once the report has been finalized (in March 1985), the Government will be seeking donor funding to take these prefeasibility studies to the full feasibility level. Terms of reference for each of the required feasibility studies have been included in the ESMAP report.

Transport Energy Conservation Study This project will identify short and long-term measures to improve the energy efficiency of the transport sector in Sri Lanka. The study aims to identify specific projects which will reduce the country's consumption of imported oil products. Field work has been completed and a draft report is being prepared. The report will be circulated for internal review in April 1985.

OFFICE MEMORANDUM

INT/83/005
Guinea - Energy Sector (ESMAP)
VF 338

DATE: February 28, 1985

TO: Mr. Raouf Bouhaouala, Assistant Director, WAP

FROM: ^{RB}Robin Bates, Deputy Chief, EGYEA

EXTENSION: 74844

SUBJECT: ESMAP: Guinea Bissau Recommended Technical Assistance
Projects in the Power Sector

Filed in WAIC

1. I am pleased to attach for your clearance a copy of the draft blue cover version of the above report which has been prepared under the Joint UNDP/World Bank Energy Sector Management Assistance Program. The report presents a brief description, terms of reference and the estimated cost and duration for four technical assistance projects in the power sector which were identified as a high priority in the Guinea Bissau Energy Assessment Report (August 1984).

2. The Government of Guinea Bissau has reviewed the report and its comments have been incorporated. In particular, since some of the activities included in the previous draft have obtained EEC funding, the Government has requested the deletion of the following: (a) a power master plan; (b) a power forecast; and (c) a survey of autogenerators.

3. Please address any questions on the report to Mr. Sanchez-Sierra (Ext. 48485), or myself (Ext. 73996).

attachment

cc: Messrs. Skillings, Gil, Assis (WA2DA); Bauer, Mena (WAPEG);
Bharier, Ahmed (o/r), Sanchez-Sierra, Rodriguez (EGYEA)
(without attachment)

GSSierra:rp

THE WORLD BANK/INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

INIT 183/005

DATE: February 27, 1985

TO: Mr. Hans Fuchs, Director, WAPDR
Mr. Yves Rovani, ~~Director~~, EGY

FROM: Francois Bauer, Chief, WAPEG
Masood Ahmed, Deputy Chief, EGYEA

SUBJECT: Review and Clearance Procedures for ESMAP Reports in West Africa Region

1. The purpose of this memorandum is to obtain your agreement for a set of procedures we have developed for the review and clearance of reports prepared under the UNDP/World Bank Energy Sector Management Assistance Program (ESMAP). The objective of these procedures is to establish a single focal point for ESMAP activities in the West Africa Region. In accordance with regional guidelines, this function will be discharged by WAPEG.

2. Proposed Review and Clearance Procedures: At various stages of the preparation process, ESMAP reports are distributed according to the guidelines included in the memo dated October 15, 1984, a copy of which is attached as Annex I. The following procedures would apply to the review and clearance at each stage of ESMAP reports:

- (a) Each ESMAP activity will commence with an Activity Initiation Brief which briefly sets out the objectives of the proposed work, the methods proposed to accomplish them, the TORs for staff members and consultants to be deployed and approximate costs of the activity. This Brief is to be reviewed for substance by WAPEG, after consultation with the relevant Regional staff. EGYEA will advise WAPEG in case any comments from other parts of the Bank substantially affect the content of the proposed work.
- (b) After completion of field work, the mission produces a back-to-office report which is circulated for information and comments to the staff listed in the attachment. Generally 8-10 weeks thereafter, the mission's findings and analysis are presented in a draft White Cover Report which will be reviewed at the working level by a small (4-6 person) core-group of Bank staff from within EGY and the Region. This White Cover review will be coordinated at an informal level within EGYEA as at present.
- (c) The report would then be modified and issued under Yellow Cover for review by the Region, the EGY Front Office, and other concerned Bank divisions. A joint meeting will be held to discuss the report only if requested by any of the divisions reviewing the report or if their comments

raise issues of substance. Such a meeting, if held, will be chaired by the Regional Assistant Director, Projects.

- (d) After incorporating the comments received, EGYEA will seek formal clearance of the Region to transmit the report under Green Cover to the government. The covering memo seeking clearance will be addressed to the Assistant Director Projects, copied to the concerned Programs Division Chief and to WAPEG. The reports will be dispatched by EGYEA to the Government only after receiving written clearance from the Assistant Director Projects whose office will be responsible for obtaining any Regional staff reviews/clearances required. Since clearance of Green covers will not normally involve issues of substance -- these should be raised at the Yellow Cover stage -- clearance should take no more than a week following receipt of the report by the Assistant Director. Where a report is transmitted in a language other than English, it will not be necessary to go through the formal clearance procedures again. However, the concerned Programs division will be notified by EGYEA that the translated version of the Green Cover is being sent to the Government.
- (e) After incorporating the changes resulting from discussions with the Government, the final draft report will again be cleared by the Assistant Director Projects according to the procedure outlined in (d) above. The Assistant Director Projects will advise the Chief Economist and the RVP's office that he is clearing the report for final distribution. The covering memo seeking clearance will include a summary of the changes made in the report after discussions with the Government. This clearance, as in (d) above, should take no longer than a week following receipt of the reports by the Assistant Director.
- (f) The final Blue Cover report will then be printed and distributed within the Bank and UNDP, and dispatched to concerned Government departments as well as to multilateral and bilateral donor agencies.

3. Clearance of Non-routine Communications: EGYEA will ensure that all terms of reference and non-routine communications to the countries on ESMAP activities are cleared by the concerned Programs Division as well as WAPEG. If clearance from other Regional Projects divisions (agriculture, industry, transport, etc.) is required, this will be obtained by WAPEG. In addition, EGYEA will obtain the clearance from non-regionalized divisions (EIS/OPS) where this is required. Within WAPEG, staff members have been nominated to act as points of contact for a particular country for coordinating ESMAP work within the Region. The list of nominations is attached as Annex II. Within EGYEA, the staff

responsible for coordinating all ESMAP work in each country are listed in Annex III. In addition, other EGYEA staff members who are responsible for a particular ESMAP activity in a given country are specified in the Quarterly Status Reports. WAPEG will ensure that all relevant communications, reports, etc. are copied to the concerned EGYEA country coordinator.

4. We have also agreed to meet on a quarterly basis for a more general review of ongoing and planned ESMAP activities in West Africa. The ESMAP Quarterly Status Reports produced by EGYEA will serve as a basis for these discussions which will be held in the fortnight following the issue of the Quarterly Status Report. At these meetings, we will also discuss the ongoing and planned sector work or technical assistance activities being carried out by WAPEG to ensure that the two programs of the divisions are closely coordinated. The Regional Energy Lead Advisors (RELA) in the Energy Department as well as programs staff, and the staff of the relevant subsector divisions in IND, EGY and WAP will be informed of the meetings and invited to attend.

Attachments

cc and cleared with Mr. Bouhaouala (WAPDR)
Mr. Bharier (EGY)


ZAlahdad/MAhmed:aaf

OFFICE MEMORANDUM

ANNEX 1

TO: EGYEA Staff

DATE: October 4, 1984

FROM: Masood Ahmed, Deputy Chief, EGYEA 

SUBJECT: Guidelines for the Distribution of ESMAP Reports Within the Bank

1. The attached tables provide guidelines for the distribution within the Bank (and to UNDP) of Activity Initiation Reports (AIRs), Back-to-Office Reports (BTOs), Yellow Cover Reports and Blue Cover Reports of all types (energy assessment status reports, power efficiency studies, etc.) issued under ESMAP.

2. The distribution of ESMAP Draft Green Cover Reports for clearance varies according to the different Region involved. To find out who such a report should be sent to, check if there are other ESMAP staff who have already obtained clearance for a report from the same Regional Department. If yes, ask them who they sent it to. If an ESMAP report has not yet been cleared by the Region you're working with, contact the loan officer for the country the report is written about to ask who it should be cleared by. You can find the name of the loan officer in the "Regional Country Assignments" section at the back of the World Bank Telephone directory. Once the report has been cleared, send a copy of the Final Green Cover Report for information to the people who cleared it.

3. To draw up a distribution list for a particular AIR, BTO, Yellow Cover or Blue Cover ESMAP report, follow the four steps described below, referring to the attached tables:

Step 1 - Core List

Get from Table 1 the core list of UNDP, EISVP and EGY staff who receive almost all of these reports, and of various other staff (for example at IPC) who receive Blue Cover reports only. You will have to check each staff member all the way down Table 1 to see who should received the report.

Step2 - Basic List for the Region

Identify in Table 2 the basic list of staff who work in the Region which deals with the country the report is written on, and who should receive a copy of it. For each Region, this includes staff in the office of the Regional VP, and in the (Power) Projects and Country Programs Departments. In the case of the Country Programs Departments, you will have to look up the names of the Director, Division Chief, Loan Officer and Country Economist for the country you are dealing with in the "Organizational Listing" and "Regional Country Assignments" at the back of Bank telephone directory. In this Step 2, you will only need to check on Table 2 the staff within the Region which

covers the country the report is on. Remember that distribution requirements vary by region and over time, so don't just use the regional distribution list from a previous report without checking the table.

Step 3 - List of Staff with an Interest in the Specific Subject(s) Covered by the Report

Figure out which of the subjects in Table 3 (industry, coal or lignite, woodfuels - including stoves and kilns, and transportation ^{1/}) the reports deals with. Then go through Table 3 making sure to identify all those under the subject heading who should receive the report on the basis of its specific topic and the country involved. For example, in the case of Yellow Cover Report on energy conservation in manufacturing industries in Morocco, looking under the heading "Industry Related" will show you that it should be sent to Messrs. Golan and Kohli and Ms. Haug in IND, to Mr. Rowat because he is the Chief of the IND Division which works on manufacturing, to Mr. Gamba since he heads the IND Industrial Conservation Unit, and finally to Mr. Zaidan because he is Chief of the Industrial Development and Finance Division in the EMENA Projects Department.

Remember that it is possible for a single report (for example an energy assessment status report) to deal with several of the subject areas. In that case, you'll have to check under the appropriate different subject headings to identify all staff members, who should receive a copy.

Step 4 - Other Staff with a Special Interest in the Report

This involves any staff closely involved in the field of the activity the report is about, but who have not already been covered by Step 1, 2 or 3. This would include, for example, staff members in the various program and project divisions who have been involved in the activity and to whom a separate copy of the report would be sent in addition to the one being sent to their division chief. You will to obtain the names of these staff members from the project profile for the activity. The activity manager has the responsibility for identifying these staff members and listing their names on the project profile, which is available from Angelica Fernandes.

Attachment.
NKing:aaf.

^{1/} The distribution of reports on power is already taken care of in Step 2, since all reports go to the Chiefs of the Regional Power Division. However, please note that final blue covers of power reports should be sent to the Power Division Chiefs in all regions for information.

ENERGY SECTION MANAGEMENT ASSISTANCE PROGRAM (ESMAP)
STANDARDIZED DISTRIBUTION LIST

Table 1: Core List

Region and Staff Members	Title	Code	Room Number	AIM	ATO	Yellow Cover	Blue Cover
OPERATIONS POLICY STAFF	Representatives	PPD	B-1030				X
	Representatives	PPD	B-1041				X
	Representatives	PPD	M-536				X
	Director	CPD	I-12-129				X
	Director	IND	E-808				X
	Director	IND	E-808				X
	Director	IND	A-513				X
	Director	IND	A-507				X
	Director	IND	A-513				X
	Director	IND	A-513				X
OFFICE OF THE VICE PRESIDENT	Director	IND	A-513				X
	Director	IND	A-507				X
	Director	IND	A-513				X
	Director	IND	A-513				X
	Director	IND	A-513				X
	Director	IND	A-513				X
	Director	IND	A-513				X
	Director	IND	A-513				X
	Director	IND	A-513				X
	Director	IND	A-513				X
ENERGY DEPARTMENT	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
RESIDENT REPRESENTATIVES	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
PROFESSIONALS	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X
	Director	EGY	Front Off.				X

**ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM (ESMAP)
STANDARDIZED DISTRIBUTION LIST**

Table 2: Basic List for the Regions

Region and Staff Members	Title	Dept. Code	Room Number	AIR	RTD	Yellow Cover	Blue Cover
EAST AFRICA REGION							
Jaycox	Vice Pres.	ESAVP	B-1210				X
Gulhati	Chief Econ.	ESAVP	B-1211				X
<u>Projects</u>							
Myss	Director	EAP	A-1042				X
Gusten	Sr. Econ.	EAP	A-1042	X		X	X
Bronfman (Zaire, Burundi, Rwanda, Madagascar, Mauritius, Comoros, Seychelles, Djibouti) OR	Asst. Dir.	EAP	A-1042	X		X	X
Christoffersen (Tanzania, Malawi, Mozambique, Zambia, Zimbabwe, Botswana, Lesotho, Swaziland) OR	Asst. Dir.	EAP	A-1042	X		X	X
Loh (Sudan, Ethiopia, Somalia, Kenya, Uganda)	Asst. Dir.	EAP	A-1042	X		X	X
Wackman	Chief, Egy Div	EAP	D-611	X	X	X	X
Lethen	T.A. Adv.	EAP	C-1203	X	X	X	X
<u>Programs</u> (see telephone directory)	Director	EA					X
(" " " ")	Chief	EA		X	X	X	X
(" " " ")	Loan Officer	EA		X	X	X	X
(" " " ")	Country Econ.	EA		X	X	X	X
WEST AFRICA REGION							
Thalwitz	Vice Pres.	WANVP	A-313				X
O'Brien	Chief Econ.	WANVP	A-313				X
<u>Projects</u>							
Fuchs	Director	WAP	B-404				X
Musain	Sr. Econ.	WAP	A-343	X		X	X
Bouhaouala	Asst. Dir.	WAP	B-404	X		X	X
Bauer	Chief, Egy Div.	WAP	D-913	X	X	X	X
Davis	Dep. Chief, Egy	WAP	D-912	X	X	X	X
Leach (Ms.)	Adm. Asst.	WAP	D-908	X	X	X	X
<u>Programs</u> (see telephone directory)	Director						X
(" " " ")	Chief			X	X	X	X
(" " " ")	Loan Officer			X	X	X	X
(" " " ")	Country Econ.			X	X	X	X
EAST ASIA AND PACIFIC REGION							
Karasmanoglu	Vice Pres.	AENVP	A-613				X
Tenal	Chief Econ.	AENVP	A-613				X
<u>Projects</u>							
Kirmani	Director	AEP	A-607				X
Baldwin	Sr. Econ.	AEP	A-607	X		X	X
Turnham (China/Korea) OR	Asst. Dir.	AEP	A-607	X		X	X
Blaxall (Thailand, Philippines, Vietnam, Laos) OR	Asst. Dir.	AEP	A-607	X		X	X
Daver (Indonesia, Malaysia, Fiji, South Pacific)	Asst. Dir.	AEP	A-614	X		X	X
Moyyar	Chief, Egy Div	AEP	C-413	X	X	X	X
Ahaed	Dep. Chief, Egy	AEP	C-419	X	X	X	X
<u>Programs</u> (see telephone directory)	Director						X
(" " " ")	Chief			X	X	X	X
(" " " ")	Loan Officer			X	X	X	X
(" " " ")	Country Econ.			X	X	X	X
SOUTH ASIA							
Hopper	Vice Pres.	ASNVP	M-5177				X
Holsen	Chief Econ.	ASNVP	M-5173				X
<u>Projects</u>							
Lerdau	Director	ASP	M-4049				X
Nowicki	Sr. Econ.	ASP	M-4053	X		X	X
Geli	Asst. Dir.	ASP	M-4033	X		X	X
Brandreth	Chief, Power	ASP	M-3157	X	X	X	X
Elwan	Dep. Chief, Egy	ASP	M-3173	X	X	X	X
<u>Programs</u> (see telephone directory)	Director						X
(" " " ")	Chief			X	X	X	X
(" " " ")	Loan Officer			X	X	X	X
(" " " ")	Country Econ.			X	X	X	X

Table 2: Basic List for the Regions
(continued)

Region and Staff Members	Title	Dept. Code	Room Number	AIB	QTO	Yellow Cover	Blue Cover
ERENA							
Wapenhans	Vice Pres.	ENHVP	M-12-071				X
Nasah	Chief Econ.	ENHVP	M-12-075				X
<u>Projects</u>							
Pictotto	Director	ENP	M-10-067				X
Ljung	Sr. Econ.	ENP	M-11-113	X		X	X
Bewey	Asst. Dir.	ENP	M-13-047	X		X	X
Reekie	Chief, Power	ENP	M-10-113	X	X	X	X
Roa	Dep. Chief, Pow.	ENP	M-10-111	X	X	X	X
El Maaroufi	T.A. Adv.	ENP	M-11-040	X	X	X	X
<u>Programs</u> (see telephone directory)							
(" " ")	Director						X
(" " ")	Chief			X	X	X	X
(" " ")	Loan Officer			X	X	X	X
(" " ")	Country Econ.			X	X	X	X
LATIN AMERICA AND CARIBBEAN							
Knos	Vice Pres.	LENVP	A-907				X
Pfefferman	Chief Econ.	LENVP	A-900				X
<u>Projects</u>							
van der Meer	Director	LCP	A-813				X
Ray	Sr. Econ.	LCP	A-823	X		X	X
Jennings	Asst. Dir.	LCP	A-813	X		X	X
Moscote/Linder 1/	Chief, Power	LCP	F-918/E-903	X	X	X	X
Malperin	Dep. Chief, Pow.	LCP	F-918	X	X	X	X
<u>Programs</u> (see telephone directory)							
(" " ")	Director						X
(" " ")	Chief			X	X	X	X
(" " ")	Loan Officer			X	X	X	X
(" " ")	Country Econ.			X	X	X	X

1/ Responsible for different countries:

Messrs. Moscote/Malperin - All except those under Mr. Linder.

Linder/no deputy - Argentina, Bolivia, Colombia, Dominican Republic and Panama.

Table 3: List of Staff with an Interest in the Specific Subjects Covered by Report

Region and Staff Members	Title	Dept. Code	Room Number	AIB	ATO	Yellow Cover	Blue Cover
INDUSTRY RELATED							
Golan	Director	IND	A-513				
Kohli	Asst. Dir. Pol.	IND	A-507	X			
Naug (Ms)	Asst. Dir. Ops.	IND	A-513	X			
plus relevant divisions and/or units							
Goldberg (Mining)	Chief, Div. I	IND	C-513	X			
Segura (Fertilizer Refineries and other Chem. Ind.)	Chief, Div. II	IND	A-540	X			
Rowat (Manufacturing)	Chief, Div. III	IND	F-504	X			
Stern (Telecomm./Elec.)	Chief, Div. IV	IND	C-508	X			
Gamba (Ind. EGY Cons.)	Coord. Eff. Unit	IND	F-530	X			
plus Regional Departments (according to the country)							
Aguirre-Sacasa	Chief, IDP Div.	EAP	D-1140	X			
Aiyer	Chief, IDP Div.	WAP	A-712	X			
Gould	Chief, IDP Div.	AEP	A-414	X			
Williams	Chief, IDP Div.	ASP	M-5-150	X			
Zaidan	Chief, IDP Div.	EMP	M-10-113	X			
Schultz/Flood	Chief, IDP Div.	LCP	9-802-808	X			
COAL, LIGNITE OR PEAT RELATED							
Goldberg	Chief, Div. I	IND	C-513	X			
Lietard	Dep. Chief, Div. I	IND	E-503	X			
WOODFUELS (INCL. STOVES AND KILNS) RELATED							
Regional departments according to the country							
<u>East Africa</u>							
Christofferson	Asst. Dir.	EAP	A-1042				
Hekby/Marshall/	Chiefs, Agr. Div.	EAP	F1007/A1140	X			
Ms Sennar	Chief, Agr. Div.	EAP	E-1005	X			
<u>West Africa</u>							
Eccles	Asst. Dir.	WAP	B-404				
Reedows/Malton/	Chiefs, Agr. Div.	WAP	B-933/A-343				
Blanchi/Theolen	"	WAP	B704/D-929	X			
<u>East Asia & Pacific</u>							
Blaxall/Daver/Turnham	Asst. Dir.	AEP	A-607/A-600				
Wadsworth/Krishna/	Chiefs, Agr. Div.	AEP	E-630/E-610				
Mussain/Smith/	"	AEP	E-624/A-642	X			
<u>South Asia</u>							
Haynes	Asst. Dir.	ASP	M-4-037				
Mottidge	Chief, Agr.	ASP	M-4-085	X			
<u>EMENA</u>							
Goffin	Asst. Dir.	EMP	M-10-065				
Ramasubbu/D'Sullivan/	Chiefs, Agr. Div.	EMP	M9047/M9113				
Norris	"	EMP	M-9065	X			
<u>LAC</u>							
van Gigh	Asst. Dir.	LCP	A-813				
McGarry/Martinussen/	Chiefs, Agr. Div.	LCP	E-844/C-802				
Otten	"	LCP	C-913	X			
plus Operations Policy Staff							
Spears	Forestry Adv.	AGR	M-1143	X			
TRANSPORTATION RELATED							
Regional departments according to the country							
<u>East Africa</u>							
Loh	Asst. Dir.	EAP	A1047				
Brown/Abe	Chiefs, Transp.	EAP	B1105/D1211	X			
<u>West Africa</u>							
Guetta	Asst. Dir.	WAP	M-404				
Soto/Apitz	Chiefs, Transp.	WAP	B-308/A-707	X			
<u>East Asia</u>							
Daver/Turnham	Asst. Dir.	AEP	A-600/A-607				
Sabeti/Carnemark	Chiefs, Transp.	AEP	F-402/B-608	X			
<u>South Asia</u>							
Gelt	Asst. Dir.	ASP	M-4-033				
Brandreth	Chief, Transp.	ASP	M-3-157	X			
<u>EMENA</u>							
Franch	Asst. Dir.	EMP	M-10-057				
Mouard	Chief, Transp.	EMP	M-12-001	X			
<u>LAC</u>							
Jennings	Asst. Dir.	LCP	A-813				
Shields/Neuman	Chiefs, Transp.	LCP	D-948/A-942	X			
plus Operations Policy Staff							
Bennathan	Economic Adv.	TRP	M-938	X			
Johansen (Ms)	"	TRP	M-943	X			
POWER RELATED							
Reports already distributed to Power Divisions under Regions Core List							

* Note that Blue Cover is distributed to Power Divisions in the Regions Core List

WESTERN AFRICA REGION**EGYRA Staff Responsible for Country Coordination**

Region/Country <u>1/</u>	Primary	Alternate
Benin	Weimper	Craig
Burkina	Craig	Muller
Cape Verde	Sanchez-Sierra	Del Buono
Gambia*	Armar	Akanda
Guinea-Bissau*	Sanchez-Sierra	Sharkey
Ivory Coast	Ferroukhi	Perine
Liberia	Sharkey	Bachrach
Mali	Craig	Muller
Mauritania	Richter	Weimper
Niger	Craig	Shanberge
Nigeria	Broadfield	Alahdad
Senegal*	Floor	Shanberge
Togo	Weimper	Muller

* Only countries where assessment mission has been completed are listed. Countries with ongoing ESMAP activities are marked with *. Assessment mission chief is country coordinator until Blue Cover Assessment Report is finalized.

MAhmed/saf
2/27/85

OFFICE MEMORANDUM

INT/83/005 F326 3

NRIC

DATE: February 26, 1985

TO: Mr. Joseph Matthews, Division Chief, Printing and Graphics

FROM: Randi Selehdar, Office Administrator, EGYEA *RS*

SUBJECT: ESMAP Reports: The Gambia - Solar Water Heating Retrofit Project
Bangladesh - Power Sector Efficiency Study

1. It would be appreciated if you could authorize your staff to print the above reports on overtime if it is not possible to do so during regular office hours. We need both these reports for the donor mailing which is scheduled for March 2, 1985. This overtime should be charged to our UNDP Budget 256/75 (INT 83/005).

2. Thank you for your cooperation.

/aaf.

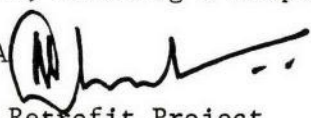
NRIC

THE WORLD BANK/INTERNATIONAL FINANCE CORPORATION

OFFICE MEMORANDUM

DATE: February 26, 1985

TO: Mr. Joseph Matthew, Division Chief, Printing & Graphics

FROM: Masood Ahmed, Deputy Chief, EGYEA SUBJECT: The Gambia: Solar Water Heating Retrofit Project

1. The above-mentioned report was sent to the Print Shop after receiving clearances from concerned departments. But since we received further comments on the report from the Government as well as from within the Bank we had to withdraw the report from the Print Shop. I regret the wastage of paper and the time spent.

2. Thank you for your cooperation.

/aaf.

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UNDEVPRO

NIAMEY, NIGER

FOR MR. WANIS SEMERDJIAN. RE INT/83/005. PLEASE ACCEPT THIS
TELEX AS AUTHORIZATION TO PAY MR. MICHAEL GAJO, MANAGER OF THE
ESMAP STOVE PROJECT AMOUNT OF US DOLLARS TEN THOUSAND (10,000)
REPRESENTING ADVANCE OF FUNDS FOR AFORE MENTIONED PROJECT.
FURTHER TRANSFERS WILL BE REQUIRED AND AUTHORIZATIONS WILL BE
TELEXED WHEN NECESSARY. REQUEST YOU IOV THE WORLD BANK THIS
AMOUNT QUOTING PROJECT NO. INT/83/005. REGARDS, CHIEF, UNDP/TRUST
FUNDS SECTION, LOAN DEPARTMENT, INTBAFRAD

END
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TEXT

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INFORMATION BELOW NOT TO BE TRANSMITTED

CLASS OF SERVICE: telex

TELEX NO. 982-

UNDEVPRO 5232 NI DATE: 2/26/85

SUBJECT:

INT/83/005

DRAFTED BY:

GWhiticker/snm

EXTENSION:

69363

CLEARANCES AND COPY DISTRIBUTION:

cc: Ms. R. Owen, EGYEA,
Room D.440

AUTHORIZED BY (Name and Signature):

Herbert L. Langer

DEPARTMENT:

Loan

SECTION BELOW FOR USE OF CABLE SECTION

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WORLD BANK OUTGOING MESSAGE FORM Cable, Telex
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MR. ULRICH THUMM, RESIDENT REPRESENTATIVE, INTBAFRAD, LIMA, PERU.
RE ENERGY RESEARCH PROJECT PROPOSAL PREPARED BY ESAN AND OUR
TELEX OF JANUARY 18, 1985, IN WHICH WE INFORMED YOU OF OUR
PRELIMINARY POSITION. SINCE THEN WE HAVE REVIEWED THE PROPOSAL
FURTHER AND WE HAVE CONCLUDED THAT IT IS NOT POSSIBLE TO FINANCE
THIS PROJECT UNDER THE ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM,
WHICH IS ORIENTED PRIMARILY TOWARDS FINANCING PREINVESTMENT WORK
IN THE ENERGY SECTOR. REGARDS, MASOOD AHMED, DEPUTY CHIEF, ENERGY
ASSESSMENTS DIVISION, INTBAFRAD.

END
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INFORMATION BELOW NOT TO BE TRANSMITTED

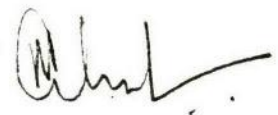
CLASS OF SERVICE: TELEX		TELEX NO.:	DATE: 2/14/85
SUBJECT: ESMAP: Lima Peru		DRAFTED BY: G Sierra:aaf	EXTENSION: 73996
CLEARANCES AND COPY DISTRIBUTION: cc: Messrs. Moscote (LCPE1) Kanchuger (LC1PA) Eguren (EDIEM)		AUTHORIZED BY (Name and Signature): Masood Ahmed, Deputy Chief, EGYEA	
		DEPARTMENT: Energy	
SECTION BELOW FOR USE OF CABLE SECTION			
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OFFICE MEMORANDUM

F338
INT/83/005

DATE: February 12, 1985

TO: Mr. Willem Floor and Mr. Robert van der Plas, EGYEA



FROM: Masood Ahmed, Deputy Chief, EGYEA

EXTENSION: 7-3996

SUBJECT: ESMAP: INDONESIA - Rural Energy Projects Identification
Mission - Terms of Reference

1. You will arrive in Jakarta (Indonesia) on February 17, 1985 and for about two weeks will assist a Dutch Government mission in identifying rural energy projects. These projects will be financed by the Dutch Government within the context of their "special energy programme" for which they have asked the World Bank (ESMAP) to be the executive agency. Mr. Floor also will collect data on the two projects identified by the Energy Assessment Status Report, viz. the promotion of improved cookstoves and energy savings potential in the brick/tile industry. To that end Mr. Floor will be joined for the duration of the mission by Mr. Robert van der Plas who will provide assistance in the collection and analysis of data and preparation of background papers as assigned by Mr. Floor. Prior to the mission to Indonesia, Mr. Floor will visit the Hague, the Netherlands on February 8, 1985 to discuss with the Dutch Government the objectives and arrangements for the above mission.

2. During your mission, you will liaise with the Ministry of Mines and Energy, PLN, the Bank's and UNDP's Resident Representatives, as well as other relevant organizations.

3. On your return to Washington, D.C. you will submit a back-to-office report separate from the main joint-report to be produced in collaboration with the Dutch Government mission member.

Cleared with and cc: Mr. K. Goto (AEAIN)

cc: Messrs. Beach, Thakor (AEP)

M. Walton (AEAIN)

Bharier, Bates, Dosik, McCarthy, Saunders (EGY)

Ford (RSI)

Ms. Hamilton (AEAIN)

WFloor:mt

THE WORLD BANK/IFC

South Pacific
Regional Petroleum
Supply Management
(ESMAP Project
under EGYPT)

INFORMATION CENTER
ROUTING SLIP

DATE:

MAR 11

NAME

ROOM NO.

(1)

Mr. Ahmed

D629

(2)

In accordance with Administrative Manual Statement No. 5.01, will you please:

- ☐ Initial the attached to indicate that it has been released for filing.
- ☒ Indicate the loan, credit, investment or project to which the attached refers.
- ☐ Indicate the organization, meeting, research study (RPO No.) to which the attached refers.
- ☐ Forward the attachment referred to in the attached correspondence.
- ☐ Indicate the date of the covering letter of the attached.
- ☐ Prepare a summary translation of the attached.
- ☐ If you wish the attached "confidential" material placed in a Safe, please indicate:

- who is authorized to see it

- when it can be declassified

- ☐ Prepare a typed version of the attached and return both
- ☐ Other:

COMMENTS:

Thank you

FROM:
EAST ASIA AND PACIFIC INFORMATION CENTER

ROOM NO.:
F-745

EXTENSION:
76331

INT/83/005

ZCZC EASF5582 RCA8229
DRDDR EGYD1 AEASP
REF : TCP OMR

248423 WORLDBANK

12 FEB 1985

TO: WORLD BANK
WASHINGTON DC USA.

FOR: NASOOD AHMED
ENERGY DEPARTMENT.

YOUR TX 23 JANUARY REGARDING PROPOSED PACIFIC REGIONAL
PETROLEUM PROCUREMENT ANALYSIS.

PLEASE ADVISE MAKE UP OF MEETING TO BE HELD AT EAST WEST CENTRE IN
MARCH TO DISCUSS STUDY TERMS OF REFERENCE. IS IT PROPOSED THAT
PARTICIPATING COUNTRIES BE REPRESENTED.

PLEASE REPLY DIRECT TO UNDERSIGNED.

REGARDS

J. DUNCAN
DME
PAPUA NEW GUINEA.

CORRECTION: THE NAME OF THE PERSON SHOULD READ MASOOD AHMED.

WABPRO NE22211
248423 WORLDBANK####

=02112252

=02120841

ALT RTD FROM:EAS

NNNN

OFFICE MEMORANDUM

DATE January 25, 1985

TO Messrs. C. Sigwalt, F/Analyst and S. Ouahes, Power Engineer (WAPEG)

FROM Jean-François Bauer, Division Chief (WAPEG)

EXTENSION 73975

SUBJECT SENEGAL: Supervision of Power Engineering and Technical Assistance
(Credit S-26-SE)
Preparation of First Power Project
Assistance to the ESMAP Mission
Terms of Reference


4 SE-Cu S-26 WAC
cc SE-Power 01
cc SE-Indus. Energy Conservation
cc SE-Energy Sector
cc F338
INT/83/005

1. On or about February 6, 1985 you should travel to Paris to attend a two-day meeting with EdF and the Senegalese concerning the diagnostic study of SENELEC. You should liaise with Mr. P. Guislain (Public Enterprise Unit) in this respect, and attempt to agree on a quick start of the next phase of the study which will define a rehabilitation program for SENELEC.
2. On or about February 10, you should proceed to Dakar for about 12 days to carry out the supervision of Credit S-26-SE and the preparation of the First Power Project.
3. You should pay special attention to:
 - (i) the rehabilitation program needed for the power plants and the electrical network and, in general, the recommendations included in the pre-diagnostic report;
 - (ii) the progress status of the master plan study and the peat review study;
 - (iii) SENELEC's investment program and financial situation;
 - (iv) the status of the preparation of the donors' meeting on the energy sector.
4. You will keep close coordination with the ESMAP mission led by Mr. W. Floor and participate in the discussions with the Government of Senegal of the Bank Report "Le potentiel d'économie au Sénégal".
5. With regard to the First Power project, you will confirm the components likely to be included in the project, in particular in the area of energy conservation.
6. You should liaise with Mr. E. Benjamin, Senior Loan Officer.

7. On your return to Washington, you should prepare the relevant Back-to-Office Report, update the project brief and complete preparation of the Power Strategy Paper.

Cleared with and cc: Messrs. Benjamin (WA2DB)
Guislain (WAPPE)

cc: Messrs. Bouhaouala, Husain, Faiz (WAPDR); Landell-Mills (WA2DB);
Rovani (EGYDR); Mbanefo (WAPPT); Floor, Ahmed (EGYEA);
Dewey (EMPDR); Davis (WAPEG); Vuylsteke (LEGWA);
Moussu-Rizan (LOAAF); Chaparro (WAPPE)

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EXCELENTISIMO FILINTO BARROS, MINISTRO DOS RECURSOS NATURAIS E INDUSTRIA, BISSAU, GUINEA-BISSAU. AGRADECEMOS O TELEX ENVIADO POR SUA EXCELENCIA EM 18 JANEIRO, 1985. INCORPORAREMOS COMENTARIOS ASSIM QUE OS RECEBERMOS. ENTRAREMOS EM CONTATO COM SUA EXCELENCIA APOS FINALIZARMOS O RELATORIO A FIM DE DISCUTIR AS POSSIBILIDADES DE IMPLEMENTACAO DOS VARIOS PROJETOS NELE IDENTIFICADOS. CORDIAIS SAUDACOES. MASOOD AHMED, SUB-CHEFE DO DIVISAO DE LEVANTAMENTOS ENERGETICOS, BANCO MUNDIAL.

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INFORMATION BELOW NOT TO BE TRANSMITTED

CLASS OF SERVICE:

TELEX

TELEX NO.

931-260 PETRO BI

DATE:

1/23/85

SUBJECT:

ESMAP: G.Bissau-T.A.Proj.

DRAFTED BY:

MAhmed:maf

EXTENSION:

73996

CLEARANCES AND COPY DISTRIBUTION:

cc: Messrs. Bauer (WAP);
Gil (WA2)

Sanchez-Sierra(EGYEA)

AUTHORIZED BY (Name and Signature)

Masood Ahmed, Deputy Chief, EGYEA

DEPARTMENT:

ENERGY

SECTION BELOW FOR USE OF CABLE SECTION
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ZCZC WAFF6934 RCA3475
EGYEA WA2DA
REF : TCP FCA

F338

01/12/85

RCA3475
248423 WORLDBANK

BISSAU, 18 DE JANEIRO DE 1985.
DE: MINISTERIO DOS RECURSOS NATURAIS E INDUSTRIA - BISSAU
PARA: INDEVAS - DIVIS&O DE LEVANTAMENTOS ENERGETICOS - WASHINGTON
NR. 001/GM/85

ATT. SENHOR BHARIER, CHEFE DE DIVIS O LEVANTAMENTOS ENERGETICOS

EMBARACO POR DIFICULDADES OBJECTIVAS EM RESPONDER NO PRAZO PEDIDO
CONFIRMAMOS POR ESTE TELEX, A NOSSA REMESSA URGENTE EM 18.01.85
DOS NOSSOS COMENTARIOS RELATIVOS AOS "TERMOS DE REFERENCIA SOBRE
OS PROJECTOS DE ASSISTENCIA TECNICA PARA O SECTOR ELECTRICO".
CONTANDO COM A VOSSA COMPREENS&O, RECEBAM OS PROTESTOS DA MINHA
MAIS ALTA COND CONSIDERAC&O.

FILINTO BARROS, MINISTRO DOS RECURSOS NATURAIS E INDUSTRIA.
248423 WORLDBANK
260 PETRO BI
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VELOP, LONDON.

FOR K. ARMSTRONG. THANKS FINCH LETTER OF 21 DECEMBER EYE REFER
RECENT TELEPHONE DISCUSSIONS WITH JOHN SPEARS RE ESMAP'S INTEREST
IN SECURING SERVICES OF TONY FINCH TO ASSIST ESMAP IN INITIATING
WOOD BASED ENERGY PROJECT PREPARATION PROGRAM. IN THIS LATTER
CONTEXT WE WOULD LIKE TO ASK WHETHER HE COULD BE RELEASED WITH
EFFECT FROM JANUARY 24 TO FEBRUARY 5 FOR INITIAL BRIEFING IN
WASHINGTON WHICH WOULD INCLUDE PARTICIPATION IN AN EGY RETREAT
SCHEDULED TO TAKE PLACE IN BALTIMORE BETWEEN 29 AND 31 JANUARY
DURING WHICH THE ESMAP PROGRAM WILL BE REVIEWED AND STRATEGY FOR
THE COMING YEAR DISCUSSED. HIS PARTICIPATION IN THOSE DISCUSSIONS
WOULD BE VERY HELPFUL. WE NOTE THAT FINCH HAS COMMITMENTS TO CDC
FOR MARCH. WE PLAN A PROJECT PREPARATION STUDY FOR A FUELWOOD
FORESTRY PROGRAM IN UGANDA STARTING EARLY APRIL AND WOULD HOPE
THAT HE COULD BE AVAILABLE TO PLAY A LEAD ROLE IN THAT EXERCISE
FOR TWO MONTHS. THE PROJECT PROPOSED WHICH EMERGED FROM THE
BANK'S ENERGY SECTOR ASSESSMENT STUDY INCLUDES A VARIETY OF
FUELWOOD PRODUCTION AND FOREST DEPARTMENT INSTITUTIONAL STRENGTH-
ENING COMPONENTS AND VARIOUS TECHNICAL ASSISTANCE STUDIES. WE
BELIEVE THAT THERE COULD BE SCOPE FOR CDC COFINANCING OR PARALLEL
FINANCING FOR PART OF THE PLANTATION PROGRAM.

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INFORMATION BELOW NOT TO BE TRANSMITTED

CLASS OF SERVICE: TELEX

TELEX NO.:

851-21431

DATE: 1/11/85

SUBJECT:

DRAFTED BY:
JSpears:ewgEXTENSION:
61760

CLEARANCES AND COPY DISTRIBUTION:

cc: Ms. Gwenda Stout
M. Grut
J. Bharier

AUTHORIZED BY (Name and Signature):

Masood Ahmed

DEPARTMENT:

ESMAP Energy Division

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CONCERNING LONGER TERM DEVELOPMENTS, WE ARE ALSO HOPING TO
INITIATE ESMAP FUELWOOD FEASIBILITY STUDIES IN KENYA, MADAGASCAR
AND POSSIBLY SUDAN LATER IN 1985 AND COULD NEGOTIATE FINCH'S
POSSIBLE AVAILABILITY FOR PARTICIPATION IN THESE EXERCISES
DEPENDENT ON YOUR OWN REQUIREMENTS. IF YOU COULD CONFIRM ABOVE
ARRANGEMENTS ACCEPTABLE IN PRINCIPLE WE WILL SEND SEPARATE CABLE
RE CONTRACTUAL ARRANGEMENTS, ETC. WITH KIND REGARDS, JULIAN
BHARIER, DIVISION CHIEF, ENERGY ASSESSMENTS DIVISION, WORLD
BANK.

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CLASS OF SERVICE:

TELEX NO.:

DATE:

SUBJECT:

DRAFTED BY:

EXTENSION:

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AUTHORIZED BY (Name and Signature):

DEPARTMENT:

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THE WORLD BANK/INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

INT/83/005

F.338

DATE: January 11, 1985

TO: Mr. Masood Ahmed, Deputy Chief, EGYEA

FROM: A. Gulstone^A (Power Engineer, Mission Leader), M.
Bachrach (Economist); M. Mitchell^{M.M.} (Economist)

SUBJECT: ESMAP: Indonesia - Efficiency Improvement of
Generating Plants

1. We have to inform you of an unfortunate incident which may prejudice the implementation of the efficiency improvement measures we identified during our recent mission to Indonesia.

2. As a follow up to the energy assessment status report, we fielded a mission to Indonesia (November 26 - December 15, 1984) consisting of ourselves and seven consultants. The mission was to:

(a) review the efficiency of generating plants and recommend improvements; and

(b) prepare terms of reference for a diesel maintenance system.

3. Prior to our departure for Indonesia, the activity initiation report and our terms of reference were cleared by the Programs Division, Projects Division, and the Resident Mission. During the process of clearing these, we had some initial difficulties with Mr. Thakor (AEPEN), who felt that to a large extent, our proposed work would be of marginal benefit and might detract from the Bank's repeated message to the Indonesians regarding the need to increase power tariffs. However, these difficulties were satisfactorily resolved after we had made all of the modifications to our work suggested by Mr. Thakor and, indeed, sought his advice in setting up the mission. During the mission, we liaised closely with the Resident Mission, informed Mr. Thakor of our program, invited him to all important meetings and appraised him of our findings in an effort to maintain a unified Bank approach to PLN. We thought that we had established a good working relationship.

4. During our mission's wrap-up meeting at the PLN, attended by its senior management and a representative of the Ministry of Energy, Mr. Thakor suddenly interrupted the presentation of the mission's findings to point out that our estimate of potential savings due to a 5% improvement of the system heat rate was too high. We estimated this to be roughly US\$15 million per year. He said that potential savings by 1988/9 would be more of the order of US\$2-3 million per year. We have subsequently rechecked our estimate and the US\$15 million appears to be conservative. The benefit would be even higher if efficiency management were rigorously applied to the new coal-fired plant as well as the oil-fired plants. However, the accuracy or otherwise of our preliminary estimate is only partially the issue. The more important point is the doubt that his comment introduced into the overall findings of the mission, particularly as Mr. Thakor is a senior Bank official and has worked with PLN for some time. Given these factors and given also the natural reluctance of all utilities to accept the existence of inefficiencies in their operations, we are concerned that his comments may have seriously jeopardized

the effectiveness of our work. We would have hoped that if he had any doubts about the accuracy of our estimates, in the interest of demonstrating a consistent Bank approach to PLN and the Government of Indonesia, he would have raised the issue in private after the meeting.

5. Despite Mr. Thakor's obvious difficulty with our work in Indonesia, we need his future cooperation to maintain the momentum and interest PLN had shown in efficiency improvement, especially since we have found significant opportunities for reducing generating costs.

cc: Mr. Bharier (EGYEA)

AGulstone:tla

FR/RCA

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HANS J. GANNESTAD, THE EXPORT COUNCIL OF NORWAY. (AA) THANK YOU FOR YOUR TELEX OF JANUARY THIRD. UNDER THE JOINT UNDP/ WORLD BANK ENERGY SECTOR MANAGEMENT ASSISTANCE PROGRAM (ESMAP) WE ARE CONSIDERING DEVELOPING A NEW SERIES OF "PRODUCT LINES." ONE POTENTIAL SET OF PRODUCTS INVOLVES THE USE OF NATURAL GAS IN THOSE DEVELOPING COUNTRIES WHERE GAS HAS BEEN DISCOVERED, SUCH AS IVORY COAST, AND TANZANIA, AND WE CONSIDER THAT PRE-INVESTMENT WORK IS LIKELY TO BE NEEDED IN NEW GAS DISTRIBUTION NETWORKS AND CONVERSION OF BOILERS TO NATURAL GAS. THE CORE RESOURCES OF ESMAP ARE NOT ENOUGH AT PRESENT TO FINANCE THIS WORK AND SO WE ARE DISCUSSING THE MATTER WITH BOTH AGENCIES AND COMMERCIAL BANKS SUCH AS THE NORSK CREDIT BANK WITH THE UNDERSTANDING THAT SOME PART OF THE FUNDS ALLOCATED COULD BE TIED TO USE OF CONSULTANTS FROM COUNTRIES PARTICIPATING IN THE FINANCIAL ARRANGEMENTS. WE ARE STILL AT AN EARLY STAGE IN THIS PROCESS BUT THE PROSPECTS FOR HIGH PAY-OFF PROJECTS LOOK VERY GOOD. I WOULD BE HAPPY TO DISCUSS THIS FURTHER ON MY NEXT VISIT TO OSLO. (BBB) WITH BEST REGARDS FOR 1985 TO YOU, MR. SCHISTAD, MISS ANDERSGAARD, MR. JOHNSEN, MR. SIGER. JULIAN BHARIER, DIVISION CHIEF, EGYEA.

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CLASS OF SERVICE: Telex

TELEX NO.:

856-78532

DATE:

1/4/85

SUBJECT:
ESMAP Product LinesDRAFTED BY:
J. BharierEXTENSION:
72781

CLEARANCES AND COPY DISTRIBUTION:

AUTHORIZED BY (Name and Signature):
Julian Bharier, Div. Chief EGYEA

DEPARTMENT:

Energy Assessments

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OFFICE MEMORANDUM

147/83/005

TO: Distribution

DATE: December 21, 1984

FROM: Masood Ahmed, Deputy Chief, EGYEA



SUBJECT: WHY STUDIES SUCCEED: Lessons from Effective Preinvestment Work

This is an interesting paper. Any views? Should we ask Engelman (who is a retired staff member from LAC Transport Division) to help in:

- designing a specific ESMAP activity
- carrying it out
- reviewing and commenting on one or more of our activities
- something else?

Attachment.

Distribution:

Messrs. Alahdad, Floor, Gulstone, Sherbiny, Ferroukhi, Weimper, Mitchell, Armar, Richter, Broadfield, King, Salvador, Frueh, Akanda, Bachrach, Gaskin, Mian (ESMAP Staff)

Mesdames: Shanberge, Sharkey (ESMAP Staff)

MAhmed:jcl

WHY STUDIES SUCCEED:

Lessons from Effective Preinvestment Work^{1/}

by Peter Engelmann & Kenneth A. Bohr
PREINVEST, Inc.
8200 Fenway Road
Bethesda, MD 20817

Good project design and execution require good preparation. The steps to successful preinvestment work are perhaps obvious, but neither simple nor easy.

Things can go wrong with preinvestment work. Even with the best intentions and generous resources, it is difficult to prepare well for investments which introduce major change at some point in the future. But a catalogue of hazards awaiting those who prepare capital projects would not be useful and might, in fact, discourage both studies and investments. On the other hand, there are lessons to be learned from good work that has been done in preparing projects.

This article identifies features that have been found common to preinvestment work which has been executed expeditiously and led to sound decisions. It reflects experience of its authors during service on the staff of the World Bank, covering a wide-range of conditions in different countries. The observations come from direct involvement in project work on transportation and urban development and from a retrospective view of experience in other fields; they probably apply to most capital works requiring preinvestment studies of similar complexity.

What we have learned from successful experience is, in general, not at all complex. It is possible, therefore, that some of the points made below will strike readers as simple, even simplistic. But it is perhaps just this "common-sense" nature of effective preinvestment work which can create the impression that the process is automatic and that its execution may be taken for granted. Precisely the opposite can be demonstrated: in preinvestment work, which often examines change in areas that are critically sensitive and requires collaboration among agencies and persons not accustomed to collaborate, nothing can be taken for granted.

Our discussion of effective preinvestment work is organized under the following six headings:

- (1) institutional potency
- (2) spadework

1/ Article published October 31, 1984, by the United Nations "Development Business," Issue 161 (with different title and subheadings).

- (3) concept definition
- (4) study design effort
- (5) starting dynamics and
- (6) follow-through.

Institutional Potency

"Institutional potency," as used in this article, refers to both power and competence within the agencies concerned with preinvestment work. It is helpful if sponsoring institutions have skills to participate effectively in the preparation process. Other key considerations are:

- power of the agency having principal interest in the study and the project (it is desirable that executing power and interest coincide in the same agency);
- awareness by the principal agency of its dependence on other agencies and the need for adaptation to weaknesses in some of those agencies, which may affect the speed of study implementation;
- attention to the relative authority levels among agencies their financial resources, attitudes and "stopping power";
- the feasibility of assigning lead responsibility for overall control (preferably to the one agency/person most interested, competent and efficient) and of designating clearly the connection points to other agencies; and
- access to financial resources for all phases, with clear understandings on responsibility for moving funds from source to users and establishment of expeditious disbursement procedures.

Successful studies are almost always associated with a stable institutional environment and each of the above considerations is relevant not only at the outset of the exercise, but throughout the study process. For good results in preinvestment work, it pays to avoid periods of major organizational change or of key staff changes in responsible agencies.

Spadework

The term "spadework" covers a variety of steps which are required to provide a basis for defining study concepts. In preinvestment work for complex projects, the objectives of spadework are to:

- identify the sectors affecting the proposed project in a national economic setting and identify main trends and development prospects which could affect the study subject;
- define clearly the setting of the proposed project within its sector(s) and region;

- assess completed and on-going studies on the subject and in the project's regional and sectoral setting;
- identify portions of previous studies that can be used (to avoid duplication) and define how such material should be updated for the proposed study (A critical point here is the assignment of responsibility for results, if different sources of inputs are used); and
- extract lessons from previous studies and projects, covering the history of both failures and successes, and attempt to diagnose causes indicating what should be avoided/repeated/strengthened in the proposed study.

Ideally, spadework for major preinvestment work is a collaborative effort among agencies concerned with the proposed project, using a small team of professional staff who will be associated with concept definition and subsequent stages of project preparation, through the execution of studies.

Concept Definition

Critical for successful study design, but frequently ignored as a separate and distinct step, is the definition of basic concepts around which a proposed preinvestment study (or group of studies) should be formulated. A conceptual framework is necessary as a basis for study design to ensure clear focus on key issues, efficiency, and ultimate usefulness of preinvestment work.

Concept definition for major studies requires a period of undivided attention by senior professionals familiar with the "spadework," who will:

- define key issues that could affect the proposed project and should be resolved by the study. This may involve some diversity of views and the team should reach agreement on a ranking of issues, before the study has started (understanding that other issues may be uncovered during study process); on this basis, the team should define key decision areas for the project and the agencies that should participate in the decision process for each;
- search for ideas within agencies concerned and among informed outsiders. Even lower level professionals should be allowed to take part in informal "brain-storming" sessions and should be encouraged to express their views on key issues, the validity of past studies, possible new study procedures, etc.;
- define key outputs of the proposed study (or group of studies), leading to identification of alternative study approaches;
- outline alternative study configuration (e.g., should there be a quick first-phase with a review before the rest of a study proceeds in depth? Are there key demand factors which should be assessed before physical solutions are explored? How and to what depth are key issues identified earlier to be addressed?). This should result

in one preferred configuration for the study which should be outlined in more detail; and

- draft a statement of objectives for the proposed study, estimate its approximate timing and overall budget, and obtain agreement among key agencies on these points.

Study Design Effort

Agreement on the basic study concepts then leads to detailed study design, which should be undertaken by professionals with experience in undertaking/directing/evaluating preinvestment work.

Examples of past study definitions are often not very helpful, since each project situation is different. The main effort at this stage should be to define a study that is suited specifically to the project at hand, its national, sectoral and regional setting, the institutions involved and the historical background. Study areas should be defined in detail, and the output should be:

- scope definitions in form suitable for (a) review and approval by the agencies concerned, (b) invitation of proposals from consultants (if needed), and (c) contract(s) with selected firm(s) or work assignments for participating agencies;
- "control points" at which study results should be submitted for interim review. Such reviews could be the occasion for formal coordination among participants and decisions on next steps in the study. The timing of control points will determine the phasing of study components;
- assignment of key study tasks to agencies' staff and/or consultants, with clear definition of responsibilities of each;
- a reasonable but lean budget, based on "nominal" staffing schedules for the work, estimated man-months for main categories of effort, other cost components (travel, materials, equipment, computer time, etc.), and suitable provision for contingencies; and
- a time-phased program for implementation, with realistic periods for all actions required by the agencies in the initiation of preinvestment work with their own staff or their consultants.

These outputs of the study design effort, if well prepared, will provide the basic documentation for all preinvestment activities and a solid foundation for the study process.

Starting Dynamics

Both timing and professional judgment are important for the successful initiation of preinvestment work. When studies require services of consulting firms, their invitations, evaluations of proposals, and negotiation of a contract should follow a strict time schedule. The dynamics of this process

are such that the lead agency must assign a team of selected professionals (ideally the same persons who participated in the spadework and study design) to work fulltime on study initiation work, to the virtual exclusion of other assignments.

Clear definition of consultants selection criteria should precede the invitation of proposals. Good team spirit among the professionals who evaluate proposals is helpful, and high professional standards should be maintained both in the evaluation process and during contract negotiations with the selected consultants. For the agency engaging the consultants, experience in the business side of consultancy practices and in negotiating procedures are key factors for arriving at a satisfactory contract.

Once contracts are signed, the focus shifts to initiation of the work. It is difficult to overstress the importance of starting on the right foot, with adequate briefings of agency staff at the various levels involved and with support efforts that ensure the consultants' effectiveness on arrival.

Follow-Through

Once underway, important factors in execution are to:

- create and sustain a collaborative spirit among participants, maintaining morale and momentum;
- respond to interim findings and periodically review the progress and quality of the work, with participation by senior officials of both agencies and consultants;
- effectively control the process in terms of costs, disbursements, and timing; and
- evaluate final study results when produced and encourage a dialogue on findings and recommendations.

For effective utilization of preinvestment work upon completion, it has been useful to make review of final reports the occasion for (a) giving appropriate credit and recognition to all participating agencies, their consultants and internal staff, (b) reaching formal agreement on the next steps for project implementation and (c) assigning responsibilities for all required follow-up action.

While preinvestment work cannot guarantee that a project will be implemented and operated successfully, chances for success are certainly increased if the project is well thought out with participation of those responsible for eventual implementation and operation. The preparation process is itself good training for the rigors of project implementation and operation that follow. Thus, good preparation work is an investment in project success.

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MR. MAURICE GERVAIS, RESIDENT REPRESENTATIVE, INTBAFRAD, NIAMEY,
NIGER. RE STOVE PROGRAM. IN VIEW OF THE STARTING DATE OF THE
IMPROVED WOODSTOVE PROJECT, PLANNED FOR FEBRUARY 1, 1985, I WOULD
LIKE YOU TO ASK THE GOVERNMENT OF NIGER TO RESPOND TO MR. BHARIER'S
LETTER OF MAY 3, 1984 ASKING FOR FORMAL GOVERNMENT AGREEMENT OF
THE PROJECT. REGARDS, MASOOD AHMED, ENERGY ASSESSMENTS DIVISION,
INTBAFRAD.

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CLASS OF SERVICE:	TELEX	TELEX NO.:	5355	DATE:	12/20/84	
SUBJECT:	ESMAP: Niger, Cookstove		DRAFTED BY:	JShanberge:aaf	EXTENSION:	73996
CLEARANCES AND COPY DISTRIBUTION:			AUTHORIZED BY (Name and Signature):			
			Masood Ahmed, Deputy Chief, EGYEA			
			DEPARTMENT:			
			Energy			
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121T (83/005

December 17, 1984

Julien Bharier, Chief, EGY

John Spears, Forestry Adviser, AGR

61760

ESMAP Wood Based Energy Program: 1985

I have reviewed the Wood Based Energy Sector Assessment Proposals for the 30 countries summarized in Report 5230 of the Energy Assessment Program Report.

My impression is that for the immediate future the most productive use of ESMAP funds would be to finance in the first half of 1985 three or four feasibility studies in Africa which examine alternative production options for peri-urban plantations. These need to look at the alternatives of fuelwood versus charcoal production, to examine pricing policy issues and the trade offs between fuelwood and charcoal production by small farmers versus the alternative of government involvement in large scale formalized plantations. A key issue is the level to which fuelwood and charcoal prices will need to rise to "trigger off" spontaneous involvement by farmers and communities (see Sudan Paper attached).

In carrying out the recent Sudan Forestry Sector review, we tested out the findings of the Energy Sector Assessment Program. Government was responsive and would welcome an ESMAP Study in early 1985. Key economic studies needed as a basis for completion of a peri-urban feasibility woodfuel program are listed in Chapter 5 of the attached Sudan Discussion Paper.

The attached notes on Madagascar and Burundi also contain material of relevance.

I would suggest that during the first six months of 1985, ESMAP concentrate on peri-urban fuelwood charcoal studies in Kenya, Sudan, and Madagascar and possibly also Burundi. I have discussed with Keith Openshaw the possibility of him playing a lead role in orchestrating the field work for these studies and he is agreeable to act as a consultant to the Bank in that area. I suggest that Tony Finch should play a lead role in the field work for the studies. Michael Grut and myself will work on preparation of terms of reference, on analysis of the results and monitoring of progress.

I shall be on leave till December 26. Subject to your reaction to the above I will work on terms of reference for the studies and on manpower requirements and cost estimates. I'd also like to discuss possible ESMAP involvement in other regions and on other types of wood based energy activities.

cc: Messrs. Pickering, Coulter (AGR)

JSpears:cj

OFFICIAL FILE COPY

OFFICE MEMORANDUM

DATE: December 14, 1984

TO: Distribution

FROM: ^{CO}Robin Bates, Deputy Chief, EGYEA

SUBJECT: ESMAP: Liberia - Yellow Cover Report
Recommended Technical Assistance Projects

1. The Liberia Energy Assessment Report (June 1984 Green Cover) identified a group of priority areas for technical assistance in the energy sector. In October 1984 a follow-up mission under the Energy Sector Management Assistance Program (ESMAP) held discussions with the Government of Liberia to confirm the priority and importance of five projects, and prepared draft terms of reference for these projects. Given the interest expressed on the part of bilateral and other assistance agencies to provide support for Liberia's energy sector development, the ESMAP mission and the GOL agreed to circulate a list of TORs for the recommended projects to the donor community to encourage the channeling of available funds to the agreed priority areas. If some of the projects were not picked up in this manner, consideration would then be given to ESMAP funding for project execution.

2. We have therefore prepared the attached package of recommended TORs for your review and comments. We would appreciate your prompt attention to this matter. Please forward your comments to me (Extension 7-3996, Room D-629) as soon as possible so that the document can be finalized for distribution under the Energy Sector Management Assistance Program.

Attachment

Distribution:

Messrs. Husain, Bouhaouala, Bauer, Davis (WAP);
Reese, Kendall, Alibaruho (WAI);
Eccles, Walton (WAP); Gamba (IND);
Weissman, Ludvik (EISVP);
Rovani, Bourcier, Sadove, Saunders, Kalim, Iskander,
Dosik, Fish, Heron, Bharier, Ahmed (o/r) (EGY);
Harland, Mashler, Cox (UNDP, New York)
UNDP Res. Rep. (Liberia)

Ms. Leach (WAP)

cc: EGYEA Staff

RChronowski:aaf.

THE WORLD BANK/INTERNATIONAL FINANCE CORPORATION
OFFICE MEMORANDUM

INT/83/005

DATE: December 14, 1984

TO: Mr. Harinder S. Kohli, Asst. Director, IND

FROM: *R.D. Jr*
Julian Bharier, Chief, EGYEA

SUBJECT: ESMAP: Senegal - Energy Conservation Report

1. I am very pleased to inform you that the collaboration between ESMAP and INDEC has resulted in a first co-produced green cover report, mentioned above, which was well-received throughout the Bank. We look forward to continuing satisfactory collaboration and maintaining the same level of quality.

cc: Messrs. Dherse (EISVP); Rovani (EGY); Golan (IND);
Gamba, Mulckhuyse (INDEC), Ahmed (o/r) (EGYEA)

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NEW YORK, NEW YORK

FOR HILLIS. REUR MISC 298 DATED DECEMBER 6, 1984. TOTAL AMOUNT

TO BE DRAWN BY IBRD BY 12/31/84 REGARDING PROJECT GL0/80/005

PERTAINING TO OPEC FUND CONTRIBUTION IS US DOLLARS 345,000.

REGARDS, HERBERT L. LANGER, LOAN DEPARTMENT, INTBAFRAD

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CLASS OF SERVICE: Telex	TELEX NO: <i>WNI-125980</i>	DATE: 12/12/84
SUBJECT:	DRAFTED BY: HLanger/jl	EXTENSION: 69364
CLEARANCES AND COPY DISTRIBUTION: cc: Mr. Banfi, LOATF	AUTHORIZED BY (Name and Signature): <i>Nancy E. Hwang</i>	
File: UNDP Workpapers-1984	DEPARTMENT: LOAN	
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UNISANTE, GENEVA, SWITZERLAND. FOR WILSON GL0/80/005 PURSUANT
YOUR DISCUSSIONS WITH MASHLER RE INDEPENDENT EVALUATION TDR
PROGRAMME, DOLLARS 20,000 ALLOCATED FOR 1984. PLEASE ADVISE
TIMING BY RETURN TELEX AS WE MUST ADVISE UNDP OF YEAR END
EXPENDITURES/COMMITMENTS. REGARDS, LASSEN, PPD, WORLD BANK.

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CLASS OF SERVICE:

TELEX NO.:

27821

DATE: 12/7/84

SUBJECT:

GL0/80/005

DRAFTED BY:

LLassen.vcc

EXTENSION:

76526

CLEARANCES AND COPY DISTRIBUTION:

cleared w/ cc: Mr. Banfi, LOA
cc: Mr. Cox, UNDP
Mr. North, PHN

AUTHORIZED BY (Name and Signature):

Nimrod Raphaeli

DEPARTMENT:

Projects Policy Department

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MR. M. D. DWEK, AMBER NEWCASTLE UPON TYNE, UNITED KINGDOM.
REUR TELEX OF NOVEMBER 29TH REQUESTING THREE COPIES OF PNG TARIFF
STUDY. THESE ARE BEING SENT BY AIRMAIL. BEST REGARDS, ZIAD
ALAHDAD, ENERGY ASSESSMENTS DIVISION, ENERGY DEPARTMENT, WORLD BANK.

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CLASS OF SERVICE: TELEX

TELEX NO. 851- 53561

DATE: 12/4/84

SUBJECT:
ESMAP: PNG-Tariff StudyDRAFTED BY:
CBAcupandaEXTENSION:
7-5508

CLEARANCES AND COPY DISTRIBUTION:

Mr. Bharier o/r (EGYEA)
Mr. Ahmed o/r (EGYEA)
Messrs. Alahdad, Frueh (EGYEA)

AUTHORIZED BY (Name and Signature):
J.K. Schmedtje

DEPARTMENT:

Energy Department

EGYEA

SECTION BELOW FOR USE OF CABLE SECTION
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OFFICE MEMORANDUM

DATE: December 4, 1984

TO: Amarquaye Armar and Albab Akanda (EGYEA)

EXTENSION: 74221

FROM: Jochen Schmedtje, Acting Division Chief, EGYEA

SUBJECT: ESMAP: THE GAMBIA - Energy Assessment Status Mission
Terms of Reference

1. You should arrange to arrive in Banjul the Gambia on or around Tuesday, December 12, 1984, to prepare an Energy Assessment Status Report on the Gambia. While in the Gambia, you will also hold discussions with the Government to obtain its clearance for ESMAP to publish, in final blue cover, the reports on pre-investment studies regarding (a) the application of solar photovoltaic power units in the health and telecommunications sectors, and (b) the application of solar water heaters in the tourist sector. Mr. Anwer Malik (EGYNR) will join you on December 13, 1984 to assist in clearing the reports.

2. The main objectives for the mission in preparing the Energy Assessments Status Report include:

- (a) to review the major developments in energy sector that have taken place since the Energy Assessment Mission in November 1983;
- (b) to review progress made by the Government in implementing the major recommendations of the Energy Assessment Report;
- (c) to provide a brief summary of ongoing and planned technical assistance activities in the energy sector which are funded by international donor agencies; and
- (d) to define the funding required to implement projects identified and prepared by ESMAP.

3. On your return to Washington, D.C., you will prepare the draft Energy Assessment Status Report which will be circulated to the Region for comments. You will also prepare draft blue cover versions of the

reports on the two pre-investments activities. These blue cover reports will be circulated to the Regions for clearance prior to their publication as ESMAP Activity Completion Reports.

Distribution:

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INTBAFRAD, JAKARTA, INDONESIA

ATTENTION MR. FITZ FORD. RE RURAL ENERGY PROJECT IDENTIFICATION
MISSION. DUE TO DUTCH GOVERNMENT POSTPONEMENT OF ABOVE MISSION AT
DR. SUDJARDI'S REQUEST, MR. WILLEM FLOOR WHO WAS TO PARTICIPATE IN
THE DUTCH MISSION HAS ALSO POSTPONED HIS ESMAP RURAL BRICK INDUSTRY
MISSION UNTIL FURTHER NOTICE. WOULD APPRECIATE YOUR INFORMING
DR. SUDJARDI. BEST REGARDS, JULIAN BHARIER, DIVISION CHIEF,
ENERGY DEPARTMENT.

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DATE: 12/03/84

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SUBJECT: Quarterly Information Brief on the Joint UNDP/World Bank Energy Programs

DATE: November 30, 1984

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