

<b>AGENCY FOR INTERNATIONAL DEVELOPMENT</b> <b>PROJECT DATA SHEET</b>		<b>1. TRANSACTION CODE</b> <input checked="" type="checkbox"/> A = Add <input type="checkbox"/> C = Change <input type="checkbox"/> D = Delete	<b>Amendment Number</b> 3	<b>DOCUMENT CODE</b> 3
<b>2. COUNTRY/ENTITY</b> Worldwide		<b>3. PROJECT NUMBER</b> 936-5724		
<b>4. BUREAU/OFFICE</b> S&T/EY		<b>5. PROJECT TITLE (maximum 40 characters)</b> Conventional Energy Technical Assistance		
<b>6. PROJECT ASSISTANCE COMPLETION DATE (PACD)</b> MM DD YY 09 30 87		<b>7. ESTIMATED DATE OF OBLIGATION</b> (Under 'B.' below, enter 1, 2, 3, or 4) A. Initial FY 80 B. Quarter <input type="checkbox"/> C. Final FY 86		

**8. COSTS (\$000 OR EQUIVALENT \$1 = )**

A. FUNDING SOURCE	FIRST FY 80			LIFE OF PROJECT		
	B. FX	C. L/C	D. Total	E. FX	F. L/C	G. Total
<b>AID Appropriated Total</b>						
(Grant) SDA	( 250 )	( )	( )	(15,250 )	( )	(15,250 )
(Loan)	( )	( )	( )	( )	( )	( )
<b>Other U.S.</b>						
1. ESF				2,600		2,600
2.						
Host Country						
Other Donor(s)						
<b>TOTALS</b>	250			17,850		17,850

**9. SCHEDULE OF AID FUNDING (\$000)**

A. APPROPRIATION	B. PRIMARY PURPOSE CODE	C. PRIMARY TECH. CODE		D. OBLIGATIONS TO DATE		E. AMOUNT APPROVED THIS ACTION		F. LIFE OF PROJECT	
		1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan	1. Grant	2. Loan
(1) SDA				7,140		8,000		15,250	
(2) ESF				500		2,100		2,600	
(3)									
(4)									
<b>TOTALS</b>				7,640		10,100		17,850	

**10. SECONDARY TECHNICAL CODES (maximum 6 codes of 3 positions each)**

**11. SECONDARY PURPOSE CODES**

**12. SPECIAL CONCERNS CODES (maximum 7 codes of 4 positions each)**

A. Code

B. Amount

**13. PROJECT PURPOSE (maximum 480 characters)**

Purpose: To assist LDCs to identify and evaluate potential indigenous conventional energy resources, strengthen geological and geophysical institutions responsible for this work and facilitate LDC assess to technologies, services, and investment needed to develop and exploit these resources.

**14. SCHEDULED EVALUATIONS**

Interim MM YY MM YY Final MM YY  
 05 82 04 84 03 87

**15. SOURCE/ORIGIN OF GOODS AND SERVICES**

000  941  Local  Other (Specify)

**16. AMENDMENTS/NATURE OF CHANGE PROPOSED (This is page 1 of a \_\_\_\_\_ page PP Amendment.)**

Amendment of authorization to extend project PACD through FY 1987 and increase life-of-project costs as shown.

**17. APPROVED BY**

Signature: Alan B. Jacobs *Alan B. Jacobs*

Title: Director, Office of Energy

Date Signed MM DD YY: 12 28 83

**18. DATE DOCUMENT RECEIVED IN AID/W, OR FOR AID/W DOCUMENTS, DATE OF DISTRIBUTION**

MM DD YY

Authorization Amendment

Entity: Worldwide

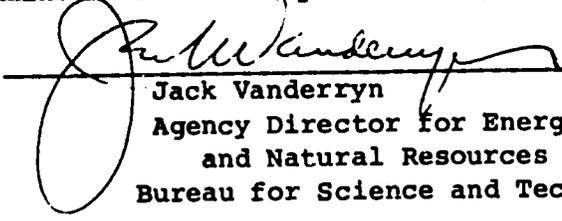
Name of Project: Conventional Energy Technical Assistance

Project Number: 936-5724

1. Pursuant to Section 106 of the Foreign Assistance Act of 1961, as amended, the Conventional Energy Technical Assistance Project, which is centrally funded, was authorized on September 16, 1980, amended December 12, 1981, and amended again June 30, 1982. That authorization is hereby amended to provide an increase in A.I.D. grant financing in SDA funds up to \$2,225,000 and up to \$1,100,000 in ESF for FY 1984. This amendment further provides for an increase in the life of project cost to \$17,850,000 through FY 1986. This permits annual incremental funding of project activities and will provide help in financing foreign exchange and local currency costs for the project.

2. The authorization cited above remains in force except as hereby amended.

1-11-84  
Date

  
Jack Vanderryn  
Agency Director for Energy  
and Natural Resources  
Bureau for Science and Technology

Clearance:

S&T/EY, A. Jacobs <sup>ASJ</sup>

S&T/PO, G. Eaton <sup>in for</sup>

AID/ST/EY:ARRoan:kh:12/19/83:0614P

*APP*

MEMORANDUM

28 December 1983

TO: S&T/EN, Jack Vanderryn  
FROM: S&T/EY, Alan B. Jacobs

Problem: A re-authorization of the Conventional Energy Technical Assistance Project (936-5724) is required for continued activity in FY 1984 and through FY 1986. Also required is a Congressional Notification for inclusion of Economic Support Funds in FY 1984 as earlier agreed with STATE. (The CN is being processed concurrently.)

Discussion: Initially authorized in FY 1980 for a planning phase of one year, begun in 1980, and a three year operational phase begun in 1981, the project was re-authorized in 1982 to provide for a L-O-P cost of \$7,750,000. At year's end FY 1983 obligations of \$7,640,000 had been incurred against that L-O-P authorization.

This project has been notably well received by Bureaus and Missions and country-level activities are well advanced in the following:

Morocco-Activities funded by S&T/EY for two previous years are now in a transition to USAID/Rabat project which will fund follow-on activities from ESF through December 1985. Project activities will complement and support GOM/ONAREP operations funded by a World Bank loan and designed to establish and develop Morocco's natural gas reserves for uses that substitute for imported petroleum.

Bangladesh-Activities are being focussed on the establishment of a geological data center for presently accumulated data and new seismographic data to be generated by activity under a petroleum exploration promotion loan from the World Bank. This joint effort is designed to stimulate private sector interest in hydrocarbon exploration in Bangladesh.

Sudan-Activities have essentially been completed. S&T/EY's contractor was chosen to implement a USAID/Khartoum follow-on project activity for commodity supply and installation in the electrical sector valued at \$20 million. This contractor is now being considered to implement a Mission-funded project of technical support to the national electricity supply organization.

Pakistan-S&T/EY funded a first-phase feasibility study of a project to construct Pakistan's first large, modern coal-fired power plant. This activity led to incorporation of the results as a keystone element of USAID/Islamabad's approved project to help develop Pakistan's coal resource and to a new capital assistance project, now in preparation, to provide up to \$125 million ESF for the construction.

Kenya-S&T/EY funded jointly with the Africa Bureau an objective assessment of The Government of Kenya's options as a 50% owner in the refinery at Mombasa to eliminate exports of residual fuel oil from the refinery and thereby reduce crude petroleum imports. The assessment was monitored by the U. S. Embassy in Nairobi because of the sensitivity aroused by differing viewpoints of the GOK and its private-sector oil company partners. It is expected that the assessment will lead to a harmonious resolution of issues and avoidance of a nationalization action.

Future activity is being planned or projected for:

Philippines-By mid-February 1984 USAID/Manila and GOP country-level activity project agreements are expected to be in place, covering a set of multi-year S&T/EY funded technical assistance activities aimed at supporting the GOP goals of expanding its coal production, promoting coal utilization and reducing imported oil consumption. USAID/Manila is preparing to support the capital assistance needs that are identified with up to \$50 million in ESF.

Thailand-S&T/EY with joint Asia Bureau funding is sponsoring a natural gas utilization symposium in Bangkok in February 1984 as a first step in identifying a technical assistance program for Thailand. Further details will be based upon the results of the symposium, but current implications are for a complex project involving Thailand's natural gas, coal, oil shale, and petroleum resources.

Ecuador-S&T/EY has supported a reconnaissance to identify a project of assistance to the Ministry of Finance to improve their management of royalty income from petroleum exploration activities. USAID/Quito considers this assistance of high priority and will fund follow-on activities that result.

Generic activity of potential wide application has also been undertaken to adapt relevant technologies to LDC use: the substitution of coal-slurry fuels for petroleum fuel oil by major fuel consumers in LDCs, and the production of a clean burning household fuel briquette from indigenous coal as a less expensive and less environmentally degrading substitute for kerosene or firewood. The coal slurry fuel activity has led to the use of this technology as a key element in the prospective Philippine project. The household fuel briquette activity already has resulted in prospective support in the Pakistan coal development activity and potential support for similar activities in Indonesia and Malawi.

We have agreed with STATE to continue cooperation and coordination under this project for its joint efforts with Australia, New Zealand and CCOP/SOPAC in the second phase of the South Pacific geophysical survey for hydrocarbon resources and metaliferous sediments. Funded with Economic Support Funds planned for and allocated by STATE, this activity for FY 1984 and FY 1985 will continue the use of the U. S. G. S. Research Vessel S. P. Lee, and also support related activities by the Hawaiian Institute of Geophysics.

The ESF allocation is conveyed to the U. S. G. S. through the U. S. G. S./RSSA under this project. Other U. S. G. S. activities DA-funded under the project RSSA include coal assessments in Pakistan, Costa Rica, Philippines; oil and gas assessments in Malawi and a natural gas symposium in Thailand. Similar future activities are projected.

An independent evaluation is currently being mounted for the second quarter of FY 1984. The project manager has developed a scope of work which covers RSSA activities and contract activities both in the U. S. and for Missions in the field, and other elements relating to project design and implementation including contracting mode. Results are expected to be delivered by third quarter of 1984.

Based upon recent levels of activity, as well as planned and projected future activities, S&T/EY proposes a re-authorization of this project for FY 1984 and through FY 1986. This will permit timely implementation of the project to continue and obligation of current year funds to occur promptly as needed.

Recommendation: That you authorize an additional three years of project life through FY 1986 and life of project obligations up to \$17,850,000 as forecasted in 1985 CP and earlier planning efforts. Please indicate your decision by signing and dating the attached PAF amendment.

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