

4930194 (5)  
 PD-AD-631-E1

PPC/PE  
 REPORT U-448

6/19/72

**PROJECT APPRAISAL REPORT (PAR)**

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1. PROJECT NO. <b>493-11-610-194</b>	2. PAR FOR PERIOD: <b>6/71</b> TO <b>5/72</b>	3. COUNTRY <b>Thailand</b>	4. PAR SERIAL NO. <b>72- 21</b>
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5. PROJECT TITLE

**Vocational Education**

5p

6. PROJECT DURATION: Began FY <b>66</b> Ends FY <b>72</b>	7. DATE LATEST PROP <b>7/22/69</b>	8. DATE LATEST PIP <b>1/16/70</b>	9. DATE PRIOR PAR <b>6/15/71</b>
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10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ <b>3,455,000</b>	b. Current FY Estimated Budget: \$ <b>190,000</b>	c. Estimated Budget to completion After Current FY: \$ <b>--</b>
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

a. NAME	b. CONTRACT, PASA OR VOL. AG. NO.
<b>Oklahoma State University</b>	<b>AID/ea 23</b>
<b>California State Polytechnic College</b>	<b>AID/fo 308</b>

I. NEW ACTIONS PROPOSED AND REQUESTED AS A RESULT OF THIS EVALUATION

A. ACTION (X)			B. LIST OF ACTIONS	C. PROPOSED ACTION COMPLETION DATE
USAID	AID/W	HOST		
X		X	Continue to give priority emphasis to establishment and institutionalization of follow-up systems to monitor placement and use of training on part of (a) teacher training college graduates, and (b) vocational school graduates.	
X		X	Develop and implement plans for orderly transfer of LIVE project activities to regular RTG line management.	

D. REPLANNING REQUIRES

REVISED OR NEW:  PROP  PIP  PRO AG  PIO/T  PIO/C  PIO/P

E. DATE OF MISSION REVIEW

**6/8/72**

PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE

**James D. Murray**

*JDM* 6/12/72

MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE

**Ray M. Hill**

*RMH* 6-17-72

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**II. PERFORMANCE OF KEY INPUTS AND ACTION AGENTS**

A. INPUT OR ACTION AGENT CONTRACTOR, PARTICIPATING AGENCY OR VOLUNTARY AGENCY	B. PERFORMANCE AGAINST PLAN							C. IMPORTANCE FOR ACHIEVING PROJECT PURPOSE (X)					
	UNSATISFACTORY		SATISFACTORY			OUTSTANDING		LOW	MEDIUM			HIGH	
	1	2	3	4	5	6	7		1	2	3		4
1. Oklahoma State University					X							X	
2. California State Polytechnic College					X							X	
3.													

Comment on key factors determining rating

Both institutions continue to discharge their obligations in a conscientious manner, providing technically well-qualified personnel. The Cal Poly field team was reduced to two members in May of 1972. The reduced administrative load of the Chief of Party has prompted a review of his duties which will result in his job description being revised. Both groups have been able to adapt their programs to the arrival of specific commodities and they have worked well with each other in an effort to maximize the benefits and utilization of available resources.

4. PARTICIPANT TRAINING					X								X	
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Comment on key factors determining rating

Host government participation continues to be unusually high, with RTG sponsoring 200 of 250 persons receiving participant training under this project, with the remaining 50 receiving AID grants. Returned participants are being utilized in accordance with plans developed prior to their departure.

5. COMMODITIES														
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Comment on key factors determining rating

Project purpose includes assistance to RTG in procurement of commodities; however, funds for actual procurement being provided through \$6 million IBRD loan, with no significant commodity inputs by AID.

Some delays were encountered in procurement. However, adjustments were made in the scheduled equipment installation and utilization seminars thereby minimizing problems.

6. COOPERATING COUNTRY	a. PERSONNEL					X							X	
	b. OTHER					X							X	

Comment on key factors determining rating

Performance of host country continues to be very good. Among outstanding features have been competence and continuity of project leadership, the use of project-trained manpower and the adequacy of the RTG project-related organization, i.e. the Ministry of Education. Such problems as have been or are likely to be encountered can largely be attributed to inadequate pay and allowances of host country personnel and difficulties inherent in the resolution of long-standing bureaucratic problems.

7. OTHER DONORS					X									X
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(See Next Page for Comments on Other Donors)

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II. 7. Continued: Comment on key factors determining rating of Other Donors

As indicated elsewhere, all commodities under this project are being provided through a \$6 million loan by the IBRD.

### III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMU- LATIVE PRIOR FY	CURRENT FY		FY ____	FY ____	
			TO DATE	TO END			
Trained Thai personnel for key administrative and supervisory positions in Trade & Industries (T&I) schools and MOE.	PLANNED	28					28
	ACTUAL PERFORMANCE	25	3				
	REPLANNED						
Trained Thai personnel for key administrative and supervisory positions in Agricultural schools and MOE.	PLANNED	22					22
	ACTUAL PERFORMANCE	19	3				
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORMANCE						
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT:						
1. Curriculum for grades M.S. 4, 5 & 6 of T&I and Agricultural schools prepared, tested and revised.	M.S. 4, 5 & 6 developed, used, and revised for T&I schools. All project agriculture high school curriculum (M.S. 4, 5, 6) developed, used and revised. Technical level (junior college) is being revised.						
2. Curriculum for all grades of T&I and Agricultural Teacher Training schools prepared, tested and revised.	COMMENT: T&I teacher training three-year curriculum completed, revised and used 2 years. Plans being made to add fourth year for AB degree. Agricultural teacher training curriculum developed, used and revised.						
3. Specifications for all equipment to be procured under IBRD loan prepared for bid invitations, bids reviewed and procurement action initiated.	COMMENT:  Live Project Procurement Status Funds appropriated 100% Contracts awarded 100% Contracts signed 93% Equipment delivered 70%						

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II. 7. Continued: Comment on key factors determining rating of Other Donors

### III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage/Rate/Amount)					END OF PROJECT
		CUMU- LATIVE PRIOR FY	CURRENT FY		FY ____	FY ____	
			TO DATE	TO END			
	PLANNED						
	ACTUAL PERFORM- ANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORM- ANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORM- ANCE						
	REPLANNED						
	PLANNED						
	ACTUAL PERFORM- ANCE						
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS	COMMENT: Equipment installation and utilization workshops have been held for automotive, building trades electronic machine shop, welding and sheet metal. Electricity workshop will be held in August 1972. In agriculture, installation and utilization workshops have been held in all areas. As new equipment arrives, special training is provided by contractor's personnel.						
X 4. Equipment obtained under IBRD loan processed on receipt, installed and training provided in maintenance and use.	COMMENT: These are being carried out as needed. 279 (203 in agricultural education and 76 in T&I education) have been carried out to date with more scheduled.						
X 5. In-country seminars and workshops in educational administration, curriculum development, equipment utilization and maintenance.	COMMENT:						
3.	COMMENT:						

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**IV. PROJECT PURPOSE**

A. 1. Statement of purpose as currently envisaged. 2. Same as in PROP?  YES  NO

Improve and expand the RTG institutionalized vocational education system to meet country's need for qualified workers by providing technical assistance in support of a \$6 million IBRD loan for procurement of commodities.

B. 1. Conditions which will exist when above purpose is achieved.	2. Evidence to date of progress toward these conditions.
<p>Institutionalized capability to produce per annum, as per recommendations of RTG manpower studies and IBRD reviews, by 1972 at 25 schools using improved curriculum and facilities:</p> <p>a) 2,600 trade school graduates.</p> <p>b) 1,410 agricultural school graduates.</p> <p>c) 220 vocational teachers.</p>	<p>a) 2,473 T&amp;I students registered in 1970 scheduled to graduate 1973.* 2,592 T&amp;I students registered in 1971 scheduled to graduate 1974.*</p> <p>b) 1,644 agr. students registered in 1970 scheduled to graduate 1973.* 1,438 agr. students registered in 1971 scheduled to graduate 1974* (reduction in registration from 1970 to 1971 due to phase out of lower secondary classes).</p> <p>c) MOE records show 310 new students registered at Thewes and Bangpra in 1970. They should graduate in 1973.** MOE records show 340 new students registered at Thewes and Bangpra in 1971. They should graduate in 1974.**</p> <hr/> <p>* On basis of past experience, it is estimated that approx. 10% of entering students will drop out prior completion of training. ** Past drop-out rate has been in range of 6-8%.</p>

**V. PROGRAMMING GOAL**

A. Statement of Programming Goal

To alleviate the shortage, both in quantity and quality, of semi-skilled and technical personnel for agricultural and industrial production by improving and expanding the vocational education being provided in Thailand.

B. Will the achievement of the project purpose make a significant contribution to the programming goal, given the magnitude of the national problem? Cite evidence.

The project was planned to develop an institutionalized vocational education system which would train a portion of the nation's manpower needs. If the vocational education system expands and improves as expected, it should make a significant contribution to the programming goal. It must be remembered that institutionalized vocational education is a portion of the total manpower development program and must be coordinated with the other sources of training. Although it is too early in the project to get a good indication of the effectiveness of the new vocational education system, placement of graduates of the vocational schools and teacher training colleges indicate that the project is on course towards achieving what it was intended to do. The formal evaluation of the LIVE Project, which should be completed by June 30, 1972, will present a profile of the project's strength and weaknesses. The institutionalization of the placement and follow-up system should provide better feed-back into the planning cycle.