

PROJECT APPRAISAL REPORT (PAR)

4970236 (2)

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PROJECT NO 497-0236	PERIOD Nov. 1, 1976 to 1 May, 1977	COUNTRY INDONESIA	PAR SERIAL NO 77-18
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PROJECT TITLE
497-236 BRACKISH WATER FISHERIES PRODUCTION PD-AAD-811-B1

6. PROJECT DURATION: Began FY 1976 Ends FY 1978	7. DATE LATEST PROP 11/20/75	8. DATE LATEST PIP	9. DATE PRIOR PAR
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10. U.S. FUNDING	a. Cumulative Obligation Thru Prior FY: \$ 389,000	b. Current FY Estimated Budget: \$ 217,000	c. Estimated Budget to completion After Current FY: \$ <i>6p.</i>
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11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)	
a. NAME Auburn University	b. CONTRACT, PASA OR VOL. AG. NO. Contract, AID/ASIA-C-1177

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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	x	Extend contract for one year, utilizing budgeted, unexpended funds. No additional funding necessary.	1 Sep	1977
x		x	Amend project paper to correct inconsistencies, mathematical errors, and incorrect statistical data.	1 Jul	1977

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T. MI PLANNING REQUIRES	REVISOR OR N.I.W.	<input checked="" type="checkbox"/> PROP	<input type="checkbox"/> PIP	<input checked="" type="checkbox"/> PRO AG	<input checked="" type="checkbox"/> PIO T	<input type="checkbox"/> PIO C	<input type="checkbox"/> PIO P	E. DATE OF MISSION REVIEW 10 May 1977
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PROJECT MANAGER: TYPED NAME, SIGNED INITIALS AND DATE E. Glenn Walters <i>E. Walters</i>	MISSION DIRECTOR: TYPED NAME, SIGNED INITIALS AND DATE Thomas C. Niblock <i>Thomas C. Niblock</i>
Robert F. Zimmerman, Evaluating Officer	<i>Robert F. Zimmerman</i> 6/2/77

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	5	
1 Auburn University					X								X
2													
3													

Comment on key factors determining rating
The GOI performance to date indicates that it is unlikely that the project would succeed without an infusion of technical assistance, especially in the case of North Sumatra (see page 5, para.3). The contractor has delivered a completely satisfactory overall performance that includes outstanding performance in quality of advisory services, and satisfactory performance in project administration and record keeping.

4. PARTICIPANT TRAINING						X								
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Comment on key factors determining rating
GOI performance in this category was excellent. All short-term participants completed training ahead of schedule and all academic participants are currently enrolled in university. The short-term participants are making a very valuable contribution in the extension effort. Although the academic participants will not return until after project completion, their input will be absolutely necessary if the project is to be replicated elsewhere in Indonesia.

5. COMMODITIES			X											X
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Comment on key factors determining rating
The commodities are necessary for the proper advisory input. Performance was satisfactory on all commodities except vehicles, unsatisfactory on vehicles. The vehicles PIO/C was submitted one month late by AID/Jakarta; the vehicles were delivered by the manufacturer on the last possible date; and the shipping companies further compounded the cumulative delay through administrative error that held up delivery an additional month.

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

Comment on key factors determining rating
Both personnel and adequate budgetary support are vital to the successful completion of the project. Personnel performance has been satisfactory, but budget support was inadequate in the case of North Sumatra, where the lack of sufficient funds has held up the construction of the Demonstration ponds for a period of at least 6 months. This was due to an insufficient cost estimate of the cost of construction of the demonstration ponds, and the lack of a budgetary method whereby the GOI could allocate additional funds prior to the beginning of the next FY. It must be stated, however, that the DEMPONS in Aceh were completed on schedule, and suitable ponds in the private sector were made available to project technicians in North Sumatra so that the lack of DEMPONS in that province has not had a deleterious effect on achievement of the project purpose.

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

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

There are no additional external donors to this project.

III. KEY OUTPUT INDICATORS AND TARGETS

A. QUANTITATIVE INDICATORS FOR MAJOR OUTPUTS		TARGETS (Percentage /Rate /Amount)					
		CUMULATIVE PRIOR FY	CURRENT FY		FY _____	FY _____	END OF PROJECT
			TO DATE	TO END			
Trained staff	PLANNED	6 ██ 54 ██	28 ██ 40 ██	60 ██ 40 ██	42 ██		108 ██ (ACA) 94 ██ (sho)
	ACTUAL PERFORMANCE	6 ██ 54 ██	28 ██ 40 ██				
	REPLANNED						
Increased Production	PLANNED	0	0	10 %	40%	50%	100%
	ACTUAL PERFORMANCE	0	0				
	REPLANNED						
New employment created	PLANNED	0	300	1000	1000	1000	3300 jobs
	ACTUAL PERFORMANCE	0	300				
	REPLANNED						
Provincial Fisheries Development Units established	PLANNED	0	8	8			8
	ACTUAL PERFORMANCE	0	5				
	REPLANNED						
B. QUALITATIVE INDICATORS FOR MAJOR OUTPUTS		COMMENT: All GOI staff associated with the project implementation have been trained in the Philippines or at the brackish water training facility at Jepara, Central Java. The training was completed ahead of schedule and all trainees are being properly utilized in Aceh, and will soon be fully utilized in North Sumatra.					
1. Trained staff functioning with technology and methodology for intensification outreach program.							
2. Annual tambak production doubled in the project area.		COMMENT: It is too early in the project to measure production increases, but the new technology is being adopted by project farmers in Aceh and it is reasonable to assume that production increases of measurable quantity will soon occur.					
3. New employment created for unemployed and under employed fish farmer families and farm laborers		COMMENT: Bank Rakyat is processing loans for tambak improvement, and many jobs have been created as a result. Extensive tambak improvement is taking place in Aceh. The total number of new jobs created to date is estimated to be 300, but statistical data currently being gathered will provide more accurate information.					

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IV. PROJECT PURPOSE

- A. 1. Statement of purpose as currently envisaged. 2. Same as in PROP? YES NO
Increased brackish water fisheries (tambak) production in seven kabupatens in the provinces of Aceh and North Sumatra and the creation of a physical and organizational structure base upon which tambak area expansion can take place.

B. 1. Conditions which will exist when above purpose is achieved.	2. Evidence to date of progress toward these conditions.
a. Tambak fish production doubled, with benefits reflected in higher net income for producers.	There has been little progress to date toward the realization of these conditions due to the relatively recent project start-up. Work is progressing satisfactorily and there is already considerable farm labor being employed in the renovation of tambaks, but no accurate statistics to pinpoint exact numbers. A tambak expansion plan is being prepared and is expected to be completed on schedule. There are no impediments foreseen that would prevent the attainment of the project purpose. The project could be improved by extending one technician for an additional year, utilizing existing programmed funds, to provide technical assistance in the tambak expansion that will inevitably result from this project.
b. 2300 additional tons of fish available to local consumers.	
c. Increased farm employment.	
d. Infrastructure in place to support tambak area expansion.	
e. A tambak expansion plan completed.	

V. PROGRAMMING GOAL

A. Statement of Programming Goal
Increased agricultural production through technology introduction and intensified extension activities.

B. Will the achievement of the project purpose make a significant contribution to the Indonesia goal, given the magnitude of the national problem? **Yes. The state of fisheries in Indonesia is abysmally poor in almost every area: Production lags behind all neighboring nations in both aquaculture and capture fisheries; losses due to spoilage are high; fishing hardware and boat propulsion is primitive; per capita annual fish consumption is 10.1 kg in the nation as a whole but is 20 kg in the project area. If project production goals are achieved, the additional animal protein will enable 230,000 persons, or 2.6% of the project area population, to attain World Health Organization standards of animal protein consumption. If tambak area expansion resulting from the project reaches its ultimate practical limits, fish protein availability in the project area would be 26 kg per capita per annum, only 4 kg less than WHO recommendations. Although the production generated by this project will not impact significantly outside the project area, replication of the project in other areas could result in significant increases in food production and employment opportunities.**

INDONESIA

Brackish Water Fisheries Production (Grant 236)

Beneficiary, by category & number	1970	2000	3000	4000	500000
Local consumers (animal protein needs fully satisfied)	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Full-time farm laborers	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Poor fish farmer families	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
*Middle-income fish farmer families	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
**Wealthy fish farmer families	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
Area merchants	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

* Owns 6-10Ha of fishponds

** Owns more than 10Ha of fishponds

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