

PROJECT APPRAISAL REPORT (PAR)

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1. PROJECT NO. 931-11-560-045		2. PAR FOR PERIOD June 1974 to June 1975		3. COUNTRY Worldwide		4. PAR SERIAL NO.	
5. PROJECT TITLE Development of Vitamin A Delivery Systems							
6. PROJECT DURATION: Began FY 74 Ends FY 79		7. DATE LATEST PROP 6/14/74		8. DATE LATEST REV --		9. DATE PRIOR PAR --	
10. U.S. FUNDING		a. Cumulative Obligation Thru Prior FY: \$40,000		b. Current FY Estimated Budget: \$115,000		c. Estimated Budget to completion After Current FY: \$512,000	

11. KEY ACTION AGENTS (Contractor, Participating Agency or Voluntary Agency)

a. NAME	b. CONTRACT, PACA OR VOL. AG. NO.

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		Enlarge the scope and increase the number of activities in the program to fit the support level proposed at the World Food Conference. This entails re-writing of the PROP.	July 1975
	X		Continue efforts in the organization and development of the International Vitamin A Consultative Group (IVACG).	5/75 - 1/76
	X		Pursue developing a contract with INCAP to evaluate the newly initiated Vitamin A fortification of sugar program in Guatemala and Costa Rica.	June 1975
	X		Develop a contract for the development of new biochemical diagnostic techniques for the determination of Vitamin A deficiency.	June 1975

REPLANNING REQUIRES

REVISED OR NEW:

PROP
 PIP
 PRO AG
 PIO/T
 PIO/C
 PIO/P

E. DATE OF MISSION REVIEW

Review - Vitamin A Delivery Systems

Project No. - 931-11-560-045

A review of this project was held May 21 at AID by TA/N staff members, Drs. Hornstein and Kahn. Discussions revolved around the following concerns:

- (1) Report of the Jakarta Vitamin A conference in November 1974.
- (2) Organization of the International Vitamin A Consultative Group.
- (3) Expansion of the current Vitamin A Delivery Systems PROP.
- (4) Progress of the "Vitamin A fortified sugar" project with INCAP (Institute of Nutrition for Central America and Panama).
- (5) Progress of the "new biochemical techniques in the diagnosis of Vitamin A deficiency" project with MIT.
- (6) Other techniques in the diagnosis of Vitamin A deficiency.
- (7) Potential systems and geographic areas for testing of Vitamin A delivery systems.

(1) An editing committee composed of several individuals who attended the November Jakarta Conference on Vitamin A is to convene in New York May 20-22 under the auspices of WHO. Dr. Hornstein will attend this meeting.

(2) Since certain key persons in the Vitamin A field will be attending the WHO committee meeting of May 20-22, AID has arranged a meeting on May 23 in New York City of interested parties for the organization of an International Vitamin A Consultative Group (IVACG). Drs. Hornstein, Kahn and Forman will attend from the Agency. The meeting will be held at the U.N. headquarters under the auspices of UNICEF.

(3) The current PROP for this project has a funding level of \$667,000. In follow-up to the World Food Conference recommendations and internal review of these recommendations the project will be expanded to a support level of \$4,130,000. To achieve the increase, a number of activities will be increased, such as support of field prevalence, demonstration, and evaluation studies. The scope of the project will be enlarged so as to include education, behavior, economics, and other social science type activities that may relate to Vitamin A status and the success of Vitamin A delivery systems.

(4) A proposal has been submitted by INCAP requesting support for a study that would evaluate the effectiveness of the new Vitamin A fortified sugar programs which are to be instituted in both Guatemala and Costa Rica within the near future. TA/N will continue to push for an initial six month's funding at \$65,000 under FY '75. Additional funding of \$400,000 will be requested during the early part of FY '76 after TA/N has resolved certain minor questions it has with the design submitted covering the total project. The need of fast initial funding is due to the fact that INCAP must quickly go into the field to collect baseline data before both governments start distributing fortified sugar. Funds are required immediately to cover this specific field activity. A PIO/T has been written.

(5) Two proposals were received to develop new biochemical diagnostic methods for the early detection of Vitamin A deficiency. Review by four experts resulted in unanimous agreement that the proposed project submitted by Dr. George Wolf of MIT should be funded. A PIO/T for \$52,000/2 year's funding has been submitted to the Program Office.

(6) Other non-biochemical diagnostic techniques for the early detection of Vitamin A deficiency were discussed. Two approaches have been suggested to AID; one employing color-hue discrimination and the other taste acuity for sweetness. Diagnostic potential for either approach will be explored.

(7) Potential systems of Vitamin A delivery and geographic areas for their demonstration were discussed. The following lists possible candidates for this project:

<u>Delivery System</u>	<u>Geographic Area</u>
Vitamin A fortified tea	Pakistan
Vitamin A fortified tea	India
Vitamin A fortified sugar	Guatemala
Vitamin A fortified sugar	Costa Rica
Vitamin A capsule	Sri Lanka
Vitamin A capsule	Kenya
Vitamin A fortified sugar	Brazil
Vitamin A fortified sugar	Thailand
Vitamin A capsule	Indonesia
Vitamin A capsule	Philippines