

MAR 21 1969

AID 1020-25 (7-68) **PROJECT APPRAISAL REPORT (PAR)** (U-446) See M.O. 1026.1  
 SECURITY CLASSIFICATION: **Unclassified**  
 PROJECT NUMBER: **39C-11-560-380**

002 PAR MO. DAY YR. AS OF: **12 31 68** 003 U.S. OBLIGATION SPAN FY **69** Thru FY **72** 004 PROJECT TITLE  
**70-AAF-824-B1**  
**Nutritional Foods Development**  
**3860380-2**  
 006 COOPERATING COUNTRY - REGION - AID/W OFFICE  
**India/NESA**

**006 FUNDING TABLE**

| AID DOLLAR FINANCING-OBLIGATIONS (\$000)           | TOTAL      | CONTRACT (NON-ADD) | PERSONNEL SERVICES |           |            | PARTICIPANTS |          | COMMODITIES |          | OTHER COSTS |          |
|--|------------|--------------------|--------------------|-----------|------------|--------------|----------|-------------|----------|-------------|----------|
|  |            |                    | AID                | PASA      | CONTRACT   | DIR. PASA    | CONTRACT | DIR. PASA   | CONTRACT | DIR. PASA   | CONTRACT |
| CUMULATIVE NET THRU ACTUAL YEAR (FY 19 <b>68</b> ) | -          | -                  | -                  | -         | -          | -            | -        | -           | -        | -           | -        |
| PROPOSED OPERATIONAL YEAR (FY 19 <b>69</b> )       | <b>246</b> | <b>209</b>         | -                  | <b>29</b> | <b>209</b> | <b>8</b>     | -        | -           | -        | -           | -        |

CCC VALUE OF P.L. 480 COMMODITIES (\$000) → Thru Actual Year : Operational Year Program :

**007 IMPLEMENTING AGENCY TABLE**

If contractors or participating agencies are employed, enter the name and contract or PASA number of each in appropriate spaces below; in the case of voluntary agencies, enter name and registration number from M.O. 1551.1, Attachment A. Enter the appropriate descriptive code in columns b and c, using the coding guide provided below.

| TYPE CODE b                 | TYPE CODE c                    | a. IMPLEMENTING AGENCY  | TYPE CODE |    | d. CONTRACT/PASA/VOLAG NO.   | e. LEAVE BLANK FOR AID/W USE |
|-----------------------------|--------------------------------|---|-----------|----|--|------------------------------|
|                             |                                |   | b.        | c. |  |                              |
| 1. U.S. CONTRACTOR          | 0. PARTICIPATING AGENCY        | 1. <b>Sidney M. Cantor Associates</b><br>2. <b>Dept of Agriculture</b><br>3. <b>Various</b> | 1         | 5  | <b>AID/NESA-39</b><br><b>NESA(AJ)48-68</b><br><b>NESA(AJ)10-69</b><br><b>N/A</b> |                              |
| 2. LOCAL CONTRACTOR         | 1. UNIVERSITY                  |   | 4         | 0  |  |                              |
| 3. THIRD COUNTRY CONTRACTOR | 2. NON-PROFIT INSTITUTION      |   |           |    |  |                              |
| 4. PARTICIPATING AGENCY     | 3. ARCHITECTURAL & ENGINEERING |   |           |    |  |                              |
| 5. VOLUNTARY AGENCY         | 4. CONSTRUCTION                |   |           |    |  |                              |
| 6. OTHER:                   | 5. OTHER COMMERCIAL            |   |           |    |  |                              |
|                             | 6. INDIVIDUAL                  |   |           |    |  |                              |
|                             | 7. OTHER:                      |   |           |    |  |                              |

**PART I - PROJECT IMPACT**

**I-A. GENERAL NARRATIVE STATEMENT ON PROJECT EFFECTIVENESS, SIGNIFICANCE & EFFICIENCY.**

This summary narrative should begin with a brief (one or two paragraph) statement of the principal events in the history of the project since the last PAR. Following this should come a concise narrative statement which evaluates the overall efficiency, effectiveness and significance of the project from the standpoint of:

- (1) overall performance and effectiveness of project implementation in achieving stated project targets;
- (2) the contribution to achievement of sector and goal plans;
- (3) anticipated results compared to costs, i.e., efficiency in resource utilization;
- (4) the continued relevance, importance and significance of the project to country development and/or the furtherance of U.S. objectives.

Include in the above outline, as necessary and appropriate, significant remedial actions undertaken or planned. The narrative can best be done after the rest of PART I is completed. It should integrate the partial analyses in I-B and I-C into an overall balanced appraisal of the project's impact. The narrative can refer to other sections of the PAR which are pertinent. If the evaluation in the previous PAR has not significantly changed, or if the project is too new to have achieved significant results, this Part should so state.

008 NARRATIVE FOR PART I-A (Continue on form AID 1020-25 I as necessary):

Recognizing the implications of malnutrition for economic development and national growth, USAID identified the qualitative side of the food problem as a priority area of concern. Since September 1966, the Mission has been concentrating its nutrition efforts in the areas described in Block 009 and has intensified these activities under this project which was formally inaugurated

MISSION DIRECTOR APPROVAL → SIGNATURE: **DD(A) Clarence Gulick** DATE: **March 13, 1969**

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PROJECT NUMBER

386-11-560-380

## PAR CONTINUATION SHEET

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008 - Narrative for Part I-A (continued)

in July 1968. The most important accomplishment thus far has been the significant increase in both public and private consciousness of the problem of malnutrition, and awareness of the possible means of combatting it.

Within the government, decision makers at the highest levels have become aware of the need for aggressive, centrally directed and effectively coordinated programs. This has resulted in:

1) The establishment of a secretary level Nutrition Policy Coordinating Committee lodged in the Planning Commission to direct and coordinate national nutrition activities;

2) An India-proposed resolution in the U.N. General Assembly calling for increased international attention to this problem; and

3) A well delineated and reasonably well supported nutrition section of the draft GOI fourth Five Year Plan;

4) Within the private sector, this awareness has resulted in the establishment of a food-industry-wide Protein Foods Association designed to facilitate the development and commercialization of low cost protein foods.

The increase in the awareness of the importance of nutrition in national planning has been outstanding. Most other aspects of the program have so recently been introduced that specific detailed evaluation is not yet possible. However, project initiatives taken, as outlined in Block 009, have also made an impressive beginning.

As further mentioned in Block 018, world-wide knowledge of the quantifiable effects of malnutrition on national development and production is still in the early stages of development. This is true of nutrition technology itself, as well as the operational aspects of national nutrition improvement programs - determining priorities, planning and implementing programs. Some of the work being done in India under this project has been done on a large scale in only a few instances in developing countries or has never previously been done anywhere, and experience already gained, and expected in the near future, should prove helpful in other locations; e.g., development of specifically designed nutritious foods, fortification of tea and salt.

There are, of course, enormous USG inputs, which can be classified as nutrition-related, e.g., PL 480 commodities and the Mission's efforts to increase agricultural production. Specific

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**008 - Narrative for Part I-A (continued)**

inputs discussed in this document, while considerably smaller in terms of total USG expenditure, serve to institutionalize the qualitative aspects of the food problem in a permanent, long-range fashion. The increased consciousness stimulated by these nutrition activities has led to major new inputs by the GOI and by multilateral agencies.

Project implementation in accordance with the goals and activities planned at the inception of the project will necessarily have a more immediate impact on the urban population than it will in rural areas. However, the expansion and improvement of the child feeding program plus efforts to fortify nationally-consumed foods such as salt and tea, which are produced in a limited number of locations (and hence are controllable), should provide a more desirable urban-rural balance.

Plans and activities for this project are coordinated in the Mission with Agriculture (particularly food processing and fisheries), Cooley Loans, Export Promotion (utilization of oil seeds and fish), and Family Planning.

Additional attention needs to be given in agriculture planning to encourage increased production of foods with higher nutritional value. This problem is becoming increasingly important as a larger percentage of the population approaches adequate caloric intake. A current Mission nutrition/agriculture economics study should help to identify new directions to be undertaken in both areas. Existing agriculture extension programs and the nutrition programs of agriculture universities can also undoubtedly contribute to meeting the objectives of this project. Increased attention and definition of appropriate activities for mutual support between the nutrition and family planning programs are also necessary.

There is also a need to better identify the role of food fortification in this general effort, in terms of (1) appropriate target groups, (2) appropriate products and promotional campaigns which will most effectively reach those targets, (3) the specific results which are expected, and (4) the appropriate balance between fortification and promotion of increased production and use of natural subsidiary and protective foods.

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## PART I-B - PROJECT EFFECTIVENESS

K09

I-B-1 - OUTPUT REPORT AND FORECAST - (See detailed instructions)

| CODE NO.<br>AID/W<br>USE<br>ONLY | 2.<br><br>This section is designed to record progress toward the achievement of each project output target which was scheduled in the PIP, Part II. Where progress toward a target is significantly greater or less than scheduled, describe reason(s) beneath the target.  | ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE) |                           |              |   | 6.<br>PROJECTED<br>TOTAL<br>FOR<br>PROJECT<br>LIFE |
|----------------------------------|---|--|---------------------------|--------------|---|--|
|                                  |   | 3<br><br>ACTUAL<br>CUM. TO<br>DATE               | 4. AS OF PRIOR<br>JUNE 30 |              | 5.<br><br>PLANNED<br>BY NEXT<br>JUNE 30 |  |
|                                  |   |  | a.<br>PLANNED             | b.<br>ACTUAL |   |  |
|                                  | <p>(Percentages shown in this section reflect progress toward goal, and not necessarily amounts of output of products.)</p> <p><b>A. Policy</b></p> <p>1. Policy acceptance of nutrition as a prime area of GOI concern as reflected by steps to institutionalize this concern.</p> <p>(Although USAID does not claim to have been responsible for all of the progress which has been made in this area in India, we do believe that much of the policy attention given in actions and steps taken during the past two years have resulted at least in part from the Mission's conscientious efforts significantly to increase awareness of the role of nutrition in national development and to serve as a catalyst in the design and implementation of activities in the areas mentioned below.)</p> <p><b>B. Fortification of Staple Foods</b></p> <p>1. By 1972 the fortification with vitamins, minerals, and possibly amino acids of 4 million tons of ground wheat products per year produced by India's 185 roller flour mills.</p> <p>(The major work on the fortification of ground wheat products involving decisions and directives regarding all technical, administrative and financial arrangements will be completed by June 30, 1969, By that time or shortly afterwards fortification of atta will be underway in Calcutta, Bombay and Delhi. If successful, such fortification can be extended to roller flour mills throughout India. Thus the 40% reflects not a percentage of total wheat fortified, but rather the overall progress made toward project completion.)</p> |  |                           |              |   |  |
|                                  |   | 25%  | 5%                        | 5%           | 40%                                     | 100%   |

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PART I-B - PROJECT EFFECTIVENESS

009

I-B-1 - OUTPUT REPORT AND FORECAST - (See detailed instructions)

| 1. CODE NO.<br>AID/W USE ONLY | 2. This section is designed to record progress toward the achievement of each project output target which was scheduled in the PIP, Part II. Where progress toward a target is significantly greater or less than scheduled, describe reason(s) beneath the target.  | 3. ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE) |                        |           |                            | 4. PROJECTED TOTAL FOR PROJECT LIFE |
|-------------------------------|--|---|------------------------|-----------|----------------------------|-------------------------------------|
|                               |  | 3. ACTUAL CUM. TO DATE                              | 4. AS OF PRIOR JUNE 30 |           | 5. PLANNED BY NEXT JUNE 30 |                                     |
|                               |  |   | a. PLANNED             | b. ACTUAL |                            |                                     |
|                               | <p>2. By 1972 the annual fortification with vitamins, minerals, and possibly amino acids of 400,000 tons of rice processed by the country's 31 "modern rice mills".</p> <p>(Implementation of this activity has been considerably slowed because of further findings suggesting that Indian cooking patterns would not permit the fortification of rice to be fully effective. A study is now underway to determine those areas of India where such a program might be initiated. The goal of this activity will be modified upon review of studies currently underway.)</p> |   |                        |           |                            |                                     |
|                               | <p>3. By 1972, the fortification with calcium and iron of one million tons of salt per year.</p>   | 15%   | 3%                     | 10%       | 20%                        | 100%                                |
|                               | <p>4. By 1968 the fortification with vitamins, minerals and lysine of bread produced by the government-run bakeries.</p> <p>(For details please see FOAID-A-897 of 1/18/68, subj: Inaugural of Fortification Project - Modern Bread)</p>   | 100%  | 60%                    | 100%      | 100%                       | 100%                                |
|                               | <p><b>C. Utilization of Protein Sources</b></p> <p>1. By 1972, the establishment of facilities and 10% processing and use for human consumption in India of 20% of the oilseed meal produced.</p> <p>(In the light of increasing demand for oilseed meal export the above figure of 20% is probably unrealistic. A review is being made of this goal.)</p>   | 10%   | 10%                    | 7%        | 15%                        | 50%                                 |

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## PART I-B - PROJECT EFFECTIVENESS

009

## I-B-1 - OUTPUT REPORT AND FORECAST - (See detailed instructions)

| 1.<br>CODE<br>NO.<br>AID/W<br>USE<br>ONLY | 2.<br><br>This section is designed to record progress toward the achievement of each project output target which was scheduled in the PIP, Part II. Where progress toward a target is significantly greater or less than scheduled, describe reason(s) beneath the target.  | ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE) |                           |              |                                     | 6.<br>PROJECTED<br>TOTAL<br>FOR<br>PROJECT<br>LIFE |
|---|---|--|---------------------------|--------------|-------------------------------------|--|
|   |   | 3<br>ACTUAL<br>CUM. TO<br>DATE                   | 4. AS OF PRIOR<br>JUNE 30 |              | 5.<br>PLANNED<br>BY NEXT<br>JUNE 30 |  |
|   |   |  | a.<br>PLANNED             | b.<br>ACTUAL |                                     |  |
|   | <p>2. By 1972, the establishment of facilities for local pilot production and distribution of fish protein concentrate or a similar fish based product.</p> <p>(Difficulties have been encountered in the designation by GOI of an Indian institute to install and operate the FPC plant.)</p> <p>3. By 1972 the toning of 100,000 litres of milk per day produced in India's five large metropolitan dairies with vegetable protein.</p> <p><b>D. Commercialization of low cost high protein foods</b></p> <p>1. The development of commercially produced high protein foods which by 1972 will be consumed widely by the target group of over 30 million low income vulnerable persons in urban areas, and will have been introduced into rural areas.</p> <p>(Prior to evaluation of initial commercial food efforts (mid-1970) which will provide guidelines for potential demand, it is not possible to provide quantitative production estimates.)</p> <p>2. Production of adequate "Bal-Ahar" under GOI auspices to permit the feeding of 20 million children annually by 1972 with this indigenously produced nutritious children's food.</p> | 15%  | 5%                        | 10%          | 20%                                 | 100%   |
|   |   | 35 %   | 25%                       | 20%          | 55%                                 | 100%   |

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## PART I-B - PROJECT EFFECTIVENESS

009

I-B-1 - OUTPUT REPORT AND FORECAST - (See detailed instructions)

| 1.<br>CODE<br>NO.<br>AID/W<br>USE<br>ONLY | 2.<br>This section is designed to record progress toward the achievement of each project output target which was scheduled in the PIP, Part II. Where progress toward a target is significantly greater or less than scheduled, describe reason(s) beneath the target. | ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE) |                              |              |                                     |  |
|---|--|--|------------------------------|--------------|-------------------------------------|--|
|   |  | 3<br>ACTUAL<br>CUM. TO<br>DATE                   | 4.<br>AS OF PRIOR<br>JUNE 30 |              | 5.<br>PLANNED<br>BY NEXT<br>JUNE 30 | 6.<br>PROJECTED<br>TOTAL<br>FOR<br>PROJECT<br>LIFE |
|   |  |  | a.<br>PLANNED                | b.<br>ACTUAL |                                     |  |
|   | <p>3. By 1968 the establishment of an Indian Trade Association to facilitate the development and commercialization of low-cost high protein foods.</p> <p>(Protein Foods Association was formed in October 1968.)</p>  | 100%   | -                            | -            | -                                   | 100%   |

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**PART I-B - Continued**

**010 B 2 - OVERALL ACHIEVEMENT OF PROJECT TARGETS**

Place an "X" within the bracket on the following seven-point scale that represents your judgment of the overall progress towards project targets:



**PART I-C - PROJECT SIGNIFICANCE**

**011 C.1 - RELATION TO SECTOR AND PROGRAM GOALS (See detailed instructions M.O. 1026.1)**

This section is designed to indicate the potential and actual impact of the project on relevant sector and program goals. List the goals in col. b and rate potential and actual project impact in cols. c and d.

| a.                        |   | c.  | d.  |
|---------------------------|---|---|---|
| CODE NO. (AID/W USE ONLY) | b.  | POTENTIAL IMPACT ON EACH GOAL IF PROJECT ACHIEVES TARGETS | ACTUAL IMPACT ON GOAL TO DATE RELATIVE TO PROGRESS EXPECTED AT THIS STAGE |
|                           | SCALE FOR COLUMN c: 3= Very Important; 2= Important; 1= Secondary Importance<br>SCALE FOR COLUMN d: 3= Superior/Outstanding; 2= Adequate/Satisfactory/Good; 1= Unsatisfactory/Marginal  |   |   |
|                           | SECTOR AND PROGRAM GOALS (LIST ONLY THOSE ON WHICH THE PROJECT HAS A SIGNIFICANT EFFECT)  |   |   |
|                           | (1) To increase the intake and absorption of essential nutrients by vulnerable segments of the population and decrease human malnutrition and thereby increase productivity of India's human resources for collective development purposes. | 3   | 3   |
|                           | (2)   |   |   |
|                           | (3)   |   |   |
|                           | (4)   |   |   |

For goals where column c. is rated 3 or 2 and column d. is rated 1, explain in the space for narrative. The narrative should also indicate the extent to which the potential impacts rated 3 or 2 in column c. are dependent on factors external to the achievement of the project targets, i.e., is there a substantial risk of the anticipated impact being forestalled by factors not involved in the achievement of project targets. If possible and relevant, it also would be useful to mention in the narrative your reading of any current indicators that longer-term purposes, beyond scheduled project targets, are likely or unlikely to be achieved. Each explanatory note must be identified by the number of the entry (col. b) to which it pertains.

012 NARRATIVE FOR PART I-C.1 (Continue on form AID 1020-25 I):

(See 008 Narrative for Part I-A)

|  |   |
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## PART I-C - Continued

## C.2 - GENERAL QUESTIONS

| These questions concern developments since the prior PAR. For each question place "Y" for Yes, "N" for No, or "NA" for Not Applicable in the right hand column. For each question where "Y" is entered, explain briefly in the space below the table. | MARK IN THIS COL. |
|---|-------------------|
| 013 Have there been any significant, unusual or unanticipated results not covered so far in this PAR?   | N                 |
| 014 Have means, conditions or activities other than project measures had a substantial effect on project output or accomplishments?   | Y                 |
| 015 Have any problems arisen as the result of advice or action or major contributions to the project by another donor?  | N                 |
| 016 If the answer to 014 or 015 is yes, or for any other reason, is the project now less necessary, unnecessary or subject to modification or earlier termination?  | N                 |
| 017 Have any important lessons, positive or negative, emerged which might have broad applicability?   | N                 |
| 018 Has this project revealed any requirement for research or new technical aids on which AID/W should take the initiative?   | Y                 |
| 019 Do any aspects of the project lend themselves to publicity in newspapers, magazines, television or films in the United States?  | Y                 |
| 020 Has there been a lack of effective cooperating country media coverage? (Make sure AID/W has copies of existing coverage.)   | N                 |

021 NARRATIVE FOR PART I-C.2 Identify each explanatory note by the number of the entry to which it pertains. (Continue on form AID 1020-25 if as necessary):

014 - Increased concern about nutrition emanating from the Bihar drought and the aggressive program follow-through by interested GOI officials. Of critical importance also were the efforts by international and U.S. voluntary agencies.

017 Numerous techniques are emerging and have been brought to the attention of AID/W periodically e.g., Modern Bread (TOAID-A-897 of 1/18/68). Protein Foods Association (TOAID-A-1142 and TOAID-A-559), Bal Ahar (TOAID-A-1213) and Comprehensive Nutrition Plan (TOAID-A-1657).

018 a. The project operations have revealed that there is an overall lack of applied research to determine the specific nutritional effectiveness of particular protein sources and combinations of nutrients.

b. There has also been far too little attention paid worldwide to the economic evaluation of nutrition programs and economic comparisons of alternative means of combatting malnutrition.

019 Appropriate material has been sent periodically to AID/W.

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## PART II - IMPLEMENTATION REPORT

## II-A - STATUS OF SCHEDULE

022 A-1 - INDIVIDUAL ACTIONS (See detailed instructions M.O. 1026.1). This is a listing of major actions or steps which were scheduled for physical start or continuing implementation in the reporting period as reflected in the Project Implementation Plan, Part I.

| (a)<br>PIP<br>ITEM<br>NO. | MAJOR ACTIONS OR STEPS; CAUSES AND RESULTS<br>OF DELAYS; REMEDIAL STEPS   | (b) STATUS - PLACE AN "X" IN<br>ONE COLUMN |                       |                             |
|---------------------------|---|--|-----------------------|-----------------------------|
|                           |   | (1)<br>BEHIND<br>SCHEDULE                  | (2)<br>ON<br>SCHEDULE | (3)<br>AHEAD OF<br>SCHEDULE |
|                           | <p><b>MAJOR ACTIONS OR STEPS</b></p> <p><b>A. <u>Policy</u></b></p> <p>1. Development of an increased consciousness of the importance of combatting malnutrition for national development.</p> <p>Establishment of a Nutrition Policy Coordinating Committee and, for the first time in any GOI plan, a section specifically devoted to nutrition with the establishment of priorities.</p> <p>2. Development of the Comprehensive Nutrition Plan with an effort to outline India's specific nutrient deficiencies, and to suggest various means of meeting these deficiencies.</p> <p>3. Establishment of Nutrition Coordinating Committee by the GOI Planning Commission to oversee and coordinate activities of government ministries.</p> <p>(See 009 narrative for Part I-A.)</p> <p><b>B. <u>Fortification of Staple Foods</u></b></p> <p>1. Technical assistance in the fortification of 100 million loaves of bread per year in 9 urban centers by the government-run Modern Bakeries.</p> <p>(See program AID-A-397 - Modern Bread)</p> <p>2. Development of a plan for the fortification of ground wheat atta in Calcutta, Bombay and Delhi (330,000 tons per year)</p> <p>3. Study of the feasibility of fortifying rice to be produced by India's 31 "modern rice mills".</p> |  |                       | X                           |
|                           |   |  |                       | X                           |
|                           |   |  |                       | X                           |
|                           |   |  | X                     |                             |
|                           |   |  | X                     |                             |

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| A-1 Individual Actions (cont'd)   | Behind<br>Schedule | On<br>Schedule | Ahead of<br>Schedule |
|---|--------------------|----------------|----------------------|
| 4. Development of a plan for a pilot fortification of salt with calcium and a detailed research plan to study incorporation of calcium, iron and lysine.  |                    | X              |                      |
| 5. Testing of lysine fortified wheat.   |                    | X              |                      |
| <b>C. Commercialization of Low Cost, High Protein Foods</b>   |                    |                |                      |
| 1. Establishment of the Protein Foods Association (PFA) to help bridge gaps between the industry, the food technology community and the government.   |                    |                | X                    |
| (For details see TOAID-A-1142 and TOAID-A-599).   |                    |                |                      |
| 2. Establishment of a GOI, Protein Foods Licensing Committee to examine the licensing of high protein food ventures.  |                    | X              |                      |
| 3. Technical and marketing assistance to commercial firms either directly or through the PFA.   |                    |                | X                    |
| Behind schedule because of lengthy negotiations and signing of Sidney M. Cantor contract in AID/W.  |                    |                |                      |
| 4. Rupee financing, soy bean flour and milk powder under Title II and technical assistance to the Kaira Coop. for the development and commercialization of a low cost vegetable-based weaning food.             |                    | X              |                      |
| 5. Development of a program for the local production of Bal Ahar, a low cost highly nutritious children's food. Redevelopment of the product to ascertain formulations best suited to each part of the country. |                    | X              |                      |
| <b>D. Utilization of Protein Sources</b>  |                    |                |                      |
| 1. Grants to commercial U.S. food companies for studies to determine the feasibility of using indigenous protein sources.   |                    | X              |                      |

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| <u>A-I - Individual Actions (cont'd)</u> | <u>Behind<br/>Schedule</u> | <u>On<br/>Schedule</u> | <u>Ahead of<br/>Schedule</u> |
|--|----------------------------|------------------------|------------------------------|
|--|----------------------------|------------------------|------------------------------|

2. In conjunction with the Coop. League of USA and the USAID AG Division, development of a pilot project to determine the effectiveness of converted automatic rice driers in the large scale drying of groundnut to prevent aflatoxin. X

Technical and scheduling short-falls have put this project behind schedule by roughly six months. Unfortunately, the first real test of this drier will not be possible until the groundnut harvest in late 1969.

3. Development of a fish protein concentrate pilot plant to be set up at Mangalore. X

Implementation of this activity has been delayed because of over-zealous competition for the plant by concerned research institutes.

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## PART II-B - Continued

## 3. FACTORS-COMMODITIES

| PLACE AN "X" IN APPROPRIATE BLOCK:  | 062<br>FFF | 069<br>NON-FFF | 064 NO<br>COMMODITY<br>ELEMENT | 072 Control measures against damage and deterioration in shipment. |
|---|------------|----------------|--------------------------------|--|
| 065 Timeliness of AID/W program approval (i.e., PIO/C, Transfer Authorization). |            |                |                                | 073 Control measures against deterioration in storage.             |
| 066 Quality of commodities, adherence to specifications, marking.               |            |                |                                | 074 Readiness and availability of facilities.                      |
| 067 Timeliness in procurement or reconditioning.                                |            |                |                                | 075 Appropriateness of use of commodities.                         |
| 068 Timeliness of shipment to port of entry.                                    |            |                |                                | 076 Maintenance and spares support.                                |
| 069 Adequacy of port and inland storage facilities.                             |            |                |                                | 077 Adequacy of property records, accounting and controls.         |
| 070 Timeliness of shipment from port to site.                                   |            |                |                                | 078 Other (Describe):  |
| 071 Control measures against loss and theft.                                    |            |                |                                |  |

Indicate in a concise narrative statement (under the heading a. Overall Implementation Performance, below) your summary appraisal of the status of project implementation, covering both significant achievements and problem areas. This should include any comments about the adequacy of provision of direct hire technicians as well as an overall appraisal of the comments provided under the three headings (b, c & d) which follow. For projects which include a dollar input for generation of local currency to meet local cost requirements, indicate the status of that input (see Detailed Instructions).

Discuss separately (under separate headings b, c & d) the status of Implementing Agency Actions, Participants and Commodities. Where above listed factors are causing significant problems (marked N), describe briefly in the appropriate narrative section: (1) the cause and source of the problem, (2) the consequences of not correcting it, and (3) what corrective action has been taken, called for, or planned by the Mission. Identify each factor discussed by its number.

079 NARRATIVE FOR PART II-B: (After narrative section a. Overall Implementation Performance, below, follow, on form AID 1020-25 I as needed, with the following narrative section headings: b. Implementing Agency, c. Participants, d. Commodities. List all narrative section headings in order. For any headings which are not applicable, mark them as such and follow immediately below with the next narrative section heading.)

a. Overall Implementation Performance.

**a. Overall Implementation Performance**

The implementation of this new series of activities has been good. In most cases activities are on or ahead of schedule and in the few cases where they are not, remedial steps are being taken. There has been the closest coordination and encouragement of government ministries and private entities to implement these activities (See Block 008).

**b. Implementing Agency**

Direct hire, contract and PASA personnel are the implementing agents of this project. Local contractors perform necessary marketing research and surveys and product analyses. Recruitment and assignment of personnel has not been a problem, except for difficulties in getting the Sidney M. Cantor contract approved.

**c. Participants**

Not applicable.

**d. (065) Commodities**

U.S. supply of commodities relating to this project has not been  
**Unclassified**

**PAGE CONTINUATION SHEET**

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

**Part II-B (continued)**

a problem; the commodity element is minor, and is met through PL 480 Title II channels. However, as this project relates to the supply of commodities for Bal Ahar, see Block 079 d. of the Child Feeding P&H, (Title II, PL 480). Delay in shipment of a small amount of some flour for development and testing of Bal Amul was also a problem.

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## PART III ROLE OF THE COOPERATING COUNTRY

The following list of illustrative items are to be evaluated by the evaluator. In the block after only those items which significantly affect project effectiveness. write the letter N if the effect of the item is negative or less than satisfactory, the letter P if positive or satisfactory, with the letter N if the effect of the item is negative or less than satisfactory.

| SPECIFIC OPERATIONAL FACTORS:   |    |
|---|----|
| 080 Coordination and cooperation within and between agencies.   | N  |
| 081 Coordination and cooperation of LDC government officials, institutions and private enterprise.            | P* |
| 082 Availability of reliable data for project planning, control and evaluation.                               | P* |
| 083 Competence and/or continuity in executive management of project.  | P  |
| 084 Host country project funding.   | P* |
| 085 Legislative changes relevant to project purposes.   |    |
| 086 Existence and adequacy of a project-related public administration.  | P* |
| 087 Resolution of procedural and bureaucratic problems.   | P* |
| 088 Availability of LDC physical resource inputs and/or supporting services and facilities.                   | P* |
| 089 Maintenance of facilities and equipment.  |    |
| 090 Resolution of tribal, class or caste problems.  |    |
| 091 Receptivity to change and innovation.   | P  |
| 092 Political conditions specific to project.   |    |
| 093 Capacity to transform ideas into actions and activities as explicated in project plans.                   | P* |
| 094 Intent and/or capacity to sustain and expand the results of the project after U.S. inputs are terminated. | P  |
| 095 Extent of LDC efforts to widen the dissemination of project benefits and services.                        | P* |
| 096 Utilization of trained manpower (e.g., for projects, equipment, facilities) in project operations.        |    |
| 097 Enforcement of relevant procedures (e.g., laws, regulations, tax collection and audit system).            |    |
| 098 Other:  |    |
| HOST COUNTRY COUNTERPART TECHNICAL FACILITIES:  |    |
| 099 Level of technical education and/or technical experience.   | P  |
| 100 Planning and management skills.   | P  |
| 101 Amount of technician man years available.   |    |
| 102 Continuity of staff.  |    |
| 103 Willingness to work in rural areas.   |    |
| 104 Pay and allowances.   |    |
| 105 Other:  |    |

In the space below for narrative provide a description of the situation and overall appraisal of the quality of country performance related to this project, particularly over the past six months. Highlight trends and prospects. See Detailed Instructions for an illustrative list of considerations to be covered.

For only those items marked N include an explanatory note, covering the nature of the problem, its impact on the achievement of project targets (i.e., its importance) and the nature and timing of corrective action taken or planned. Identify each explanatory note.

106 NARRATIVE FOR PART III (Continuation of the 105 block)

080 -- See continuation 0201.

\*Note: Since they are important to project effectiveness, the following items are designated "Positive":

|     |     |     |
|-----|-----|-----|
| 081 | 086 | 087 |
| 082 | 087 | 088 |
| 084 | 088 |     |

It must be pointed out, however, that while GOI performance is not actually "Unsatisfactory" or "Negative" in these items, it is not really "Satisfactory" or "Positive" either. If there were a third rating of "Marginal" or "Barely Adequate", these items would be so designated.

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## PART CONTINUATION SHEET

This sheet is to be used for any Narrative Sections for which sufficient space has not been provided on the form. Identify each narrative by its Part and Section Designation.

**Narrative for Part III (cont'd)**

- 080 - The "Government of India Nutrition Program" is currently being implemented by no fewer than six ministerial departments. Although the Policy Coordinating Committee described above should help somewhat to alleviate this problem, it is expected that coordination difficulties will remain.

The Indian scientific community continues to demonstrate its traditional conservatism, though breakthroughs do occur. Rather than accepting research done elsewhere, the GOI institutes frequently require lengthy and costly duplication in India. Furthermore, in spite of constant prodding by the implementing technical societies, government research institutes for the most part are more concerned with fundamental research (often supported by U.S.G. funds from non-AID sources) than with practical problem solving. Although the Mission has been working on this problem on a day to day basis, the problem is unlikely to go away. On the other hand, implementing ministries are becoming increasingly adept at operating in spite of these difficulties.

- 106 - Given the newness of the nutrition concept and of program implementation in this field, the host country's cooperation has considerably exceeded expectations. Evidence of this is noted in Section I-4 and II-4.

Problem areas noted above do not represent insurmountable obstacles but are impediments to continuous rapid implementation.

The new funding authority under Section 104(h) has not proven as useful a vehicle for nutrition programs in India as originally envisaged, and should possibly be withdrawn as a source of funding for nutrition activities in the future. Many of the proposals prepared with and submitted to the Indian Government have subsequently become a part of their own budget but there has, up to now, been no actual approvals of 104(h) funds for nutrition. The GOI concept that these funds are not additive to their regular budgets has resulted in a ministry reluctance to use them as a source of financing. Of 13 USAID/Ministry of Food proposals totaling Rs. 22,360,000 none have been approved by GOI for 104(h) funding. However six of these proposals totaling Rs. 6,360,000 were accepted for inclusion in the Ministry's budget.

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|  |   |
|--|---|
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|--|---|

**PART IV -- PROGRAMMING IMPLICATIONS**  
**IV-A -- EFFECT ON PURPOSE AND DESIGN**

Indicate in a brief narrative whether the Mission experience to date with this project and/or changing country circumstances call for some adjustment in project purposes or design, and why, and the approximate cost implications. Cover any of the following considerations or others that may be relevant. (See Detailed Instructions for additional illustrative considerations.) Relevant experience or country situations that were described earlier can simply be referenced. The spelling out of specific changes should be left to the appropriate programming documents, but a brief indication of the type of change contemplated should be given here to clarify the need for change. For example, changes might be indicated if they would:

1. better achieve program/project purposes;
2. address more critical or higher priority purposes within a goal plan;
3. produce desired results at less cost;
4. give more assurance of lasting institutional development upon U.S. withdrawal.

**107 NARRATIVE FOR PART IV-A (Continue on form AID 1020-25 I):**

Because programs for national nutritional improvement are relatively new in world experience, this project is under continuous review (letter dated February 1969 from Robert Muscat, India Desk, AID/W, to A. Berg, FAN, USAID/New Delhi). The full-time services of one Mission employee are now being spent on collection and review of available information on nutritional deficiencies in India, and information from other areas applicable to this project. Writing and publication of the results of this review are expected about mid-1969.

When a planned comprehensive analysis of the various routes to solving India's nutritional deficiencies has been carried out, it should indicate some new directions for the nutrition project.

**IV-B -- PROPOSED ACTION**

**108 This project should be (Place an "X" in appropriate block(s)):**

|  |          |
|--|----------|
| 1. Continued as presently scheduled in <del>PROP</del> <b>PROP</b>   | <b>X</b> |
| 2. Continued with minor changes in the PIP, made at Mission level (not requiring submission of an amended PIP to AID/W).             |          |
| 3. Continued with significant changes in the PIP (but not sufficient to require a revised PROP). A formally revised PIP will follow. |          |
| 4. Extended beyond its present schedule to (Date): Mo. ___ Day ___ Yr. ___. Explain in narrative, PROP will follow.                  |          |
| 5. Substantively revised. PROP will follow.  |          |
| 6. Evaluated in depth to determine its effectiveness, future scope, and duration.  |          |
| 7. Discontinued earlier than presently scheduled. Date recommended for termination: Mo. ___ Day ___ Yr. ___                          |          |
| 8. Other. Explain in narrative.  |          |

**109 NARRATIVE FOR PART IV-B:**

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