

AID 1020-25 (7-68)		SECURITY CLASSIFICATION		001 PROJECT NUMBER	
PROJECT APPRAISAL REPORT (PAR)		Unclassified		386-11-220-342	
(U-446) See M.O. 1026.1				3860342	
002 PAR	MO.	DAY	YR.	003 U.S. OBLIGATION SPAN	
AS OF:	12	3	1968	FY 67	Thru FY 77
008 COOPERATING COUNTRY - REGION - AID/W OFFICE				004 PROJECT TITLE	
India NESA/SA				Development of Rural Electric Cooperatives	
				NESA ROUTING ACT. INFO	

AID DOLLAR FINANCING-OBLIGATIONS (\$000)	TOTAL	CONTRACT (NON-ADD)	PERSONNEL SERVICES			PARTICIPANTS		COMMODITIES		
			AID	PASA	CONTRACT	DIR. PASA	CONTRACT	DIR. PASA	CONTRACT	DIR. PASA
CUMULATIVE NET THRU ACTUAL YEAR (FY 19 68)	95	95	-	-	95	-	-	-	-	-
PROPOSED OPERATIONAL YEAR (FY 19 69)	233	209	-	-	209	24	-	-	-	-

AA		
CAF		
DP		
ENR		2
ECG		
NE		
NEF		1
SA	2	
TECH		5

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

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	IMPLEMENTING AGENCY	TYPE CODE		CONTRACT/ PASA NO.	LEAVE BLANK FOR AID/W USE
			b.	c.		
1. U.S. CONTRACTOR	0. PARTICIPATING AGENCY	NRECA	1	2	AID/csd-1504 Task Order#5	
2. LOCAL CONTRACTOR	1. UNIVERSITY					
3. THIRD COUNTRY CONTRACTOR	2. NON-PROFIT INSTITUTION					
4. PARTICIPATING AGENCY	3. ARCHITECTURAL & ENGINEERING					
5. VOLUNTARY AGENCY	4. CONSTRUCTION					
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 1 as necessary):

The GOI, realizing that increased agricultural production would be encouraged by expanded well irrigation, more efficient processing of food products, and better storage facilities, and that these changes are heavily dependent upon an adequate supply of electricity in rural areas, has requested U.S. assistance to help expand the role of cooperatives in supplying this need.

MISSION DIRECTOR APPROVAL →	SIGNATURE	DATE
	DD John Funari	February 10, 1969

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PAR 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.

This activity is a joint effort of the GOI, represented by an ad hoc Committee with members from the various interested government departments and USAID through a contract with the National Rural Electric Cooperative Association (NRECA). Progress to date is on schedule and is following an outline of progressive steps for development established by NRECA. The outline provides for five phases of development. Each successive phase is implemented by agreement of the GOI and USAID based upon a favorable report of the previous phase.

The first three phases have now been completed and agreement has been reached to proceed with Phase IV. Prior activity has primarily centered around the NRECA survey and the study teams' preliminary work with the ad hoc Committee and State Electricity Boards. Future activity will deal with organization, construction, and management of the five pilot electric cooperatives to be organized and operated on the pattern of electric cooperatives in the U.S. It is anticipated that these five pilot cooperatives will develop the criteria for future expansion of rural electric service. The U.S. will provide one specialist in rural electric cooperatives organization and management for each of up to five pilot cooperatives and will send appropriate numbers of Indians for training in the U.S.

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PART I-B - PROJECT EFFECTIVENESS

009

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

1 CODE NO. 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.	ACTUAL AND PLANNED OUTPUTS (ALL DATA CUMULATIVE)				
		3 ACTUAL CUM. TO DATE	4. AS OF PRIOR JUNE 30		5. PLANNED BY NEXT JUNE 30	6. PROJECTED TOTAL FOR PROJECT LIFE
			a. PLANNED	b. ACTUAL		
	<p>A. Furnish electricity to the rural people at the lowest possible cost in order to increase agricultural production; stimulate small agro-industry; and improve the standard of living for the rural population.</p> <p>B. Increase the responsible action of the people by giving them some degree of control of their electricity supply.</p> <p>C. Establish local organizations for the financing, procurement, installation, repair and proper use of electrical appliances and equipment such as pump sets.</p> <p>D. Provide the basis for a rapid, and standardized pattern of construction and operation for rural electric systems in all states of the Union.</p> <p>E. Provide meaningful training experiences for Indian personnel involved in rural electric cooperative activities so they can help other such coops.</p>					See Parts IA and IIA.

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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?	Y
014 Have means, conditions or activities other than project measures had a substantial effect on project output or accomplishments?	N
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?	
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?	N
019 Do any aspects of the project lend themselves to publicity in newspapers, magazines, television or films in the United States?	N
020 Has there been a lack of effective cooperating country media coverage? (Make sure AID/W has copies of existing coverage.)	N
021 <u>NARRATIVE FOR PART I-C.2</u> Identify each explanatory note by the number of the entry to which it pertains. (Continue on form AID 1020-25 I as necessary):	

013 As a result of discussions of a source of finance for the pilot rural electric cooperatives, the GOI is in the process of establishing a corporation to administer a revolving fund to finance the expansion of electricity to rural areas. The corporation would provide financing to cooperatives and rural expansion programs of State Electricity Boards. USAID is considering a GOI proposal to contribute excess U.S. uses rupees to the capital of the corporation.

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PART II - IMPLEMENTATION REPORT

II-A - STATUS OF SCHEDULE

22 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.

PIP ITEM NO.	MAJOR ACTIONS OR STEPS; CAUSES AND RESULTS OF DELAYS; REMEDIAL STEPS	(b) STATUS - PLACE AN "X" IN ONE COLUMN		
		(1) BEHIND SCHEDULE	(2) ON SCHEDULE	(3) AHEAD OF SCHEDULE
1.	Phase I - Report dated Dec. 1966 - A Study of the potential for extending cooperative electric service into unserved villages and rural areas.		X	
2.	Phase II & III - Five teams of specialists made studies in five States identified by Phase I study as meeting the requirements prescribed for the establishment of "Pilot Cooperatives". Study was for the purpose of (1) assessment of the potential of the areas for effective cooperative institutions to provide electricity and meet other related needs; (2) help prepare the requisite technical details, determine the resources necessary to make the projects feasible and assist in establishing an effective financial structure having the necessary funds at terms favorable for construction and operation of the first section of each rural cooperative. Phase II & III was completed in Gujarat, Mysore, and Maharashtra in late 1967 and in Uttar Pradesh and Andhra Pradesh in early 1968.		X	
3.	Phase IV - An Operational Work Plan has been signed with the GOI for the following in CY 1969: a) One U.S. technician to be assigned to each of up to five pilot areas to assist in organizing the cooperatives and to help construct and operate the systems. (Also appropriate short-term consultants) b) Seven participants to be nominated for training early in C.Y. 1969. They will be programmed to attend the NPECA Rural Electric Cooperative Management Course held annually in the U.S.A.		X	
			X	

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PART II - Continued

II-A.2 - OVERALL TIMELINESS

In general, project implementation is (place an "X" in one block):

- (a) On schedule **X**
- (b) Ahead of schedule
- (c) Behind schedule

BLOCK (c): If marked, place an "X" in any of the blocks one thru eight that apply. This is limited to key aspects of implementation, e.g., timely delivery of commodities, return of participants to assume their project responsibilities, cooperating country funding, arrival of technicians.

- (1) AID/W Program Approval
- (2) Implementing Agency (Contractor/Participating Agency/Voluntary Agency)
- (3) Technicians
- (4) Participants
- (5) Commodities (non-FFF)
- (6) Cooperating Country
- (7) Commodities (FFF)
- (8) Other (specify):

II-B - RESOURCE INPUTS

This section appraises the effectiveness of U.S. resource inputs. There follow illustrative lists of factors, grouped under Implementing Agency, Participant Training and Commodities, that might influence the effectiveness of each of these types of project resources. In the blocks after only those factors which significantly affect project accomplishments, write the letter **P** if effect is positive or satisfactory, or the letter **N** if effect is negative or less than satisfactory.

1. FACTORS-IMPLEMENTING AGENCY (Contract/Participating Agency/Voluntary Agency)

024	IF NO IMPLEMENTING AGENCY IN THIS PROJECT. PLACE AN "X" IN THIS BLOCK:	032	Quality, comprehensiveness and candor of required reports	P
		033	Promptness of required reports	P
025	Adequacy of technical knowledge	034	Adherence to work schedule	P
026	Understanding of project purposes	035	Working relations with Americans	P
027	Project planning and management	036	Working relations with cooperating country nationals	P
028	Ability to adapt technical knowledge to local situation	037	Adaptation to local working and living environment	P
029	Effective use of participant training element	038	Home office backstopping and substantive interest	P
030	Ability to train and utilize local staff	039	Timely recruiting of qualified technicians	P
031	Adherence to AID administrative and other requirements	040	Other (describe):	

2. FACTORS-PARTICIPANT TRAINING

041	IF NO PARTICIPANT ELEMENT IN PROJECT. PLACE AN "X" IN THIS BLOCK:	TRAINING UTILIZATION AND FOLLOW UP	
		052	Appropriateness of original selection
PREDEPARTURE		053	Relevance of training for present project purposes
042	English language ability	054	Appropriateness of post-training placement
043	Availability of host country funding	055	Utility of training regardless of changes in project
044	Host country operational considerations (e.g., selection procedures)	056	Ability to get meritorious ideas accepted by supervisors
045	Technical/professional qualifications	057	Adequacy of performance
046	Quality of technical orientation	058	Continuance on project
047	Quality of general orientation	059	Availability of necessary facilities and equipment
048	Participants' collaboration in planning content of program	060	Mission or contractor follow-up activity
049	Collaboration by participants' supervisors in planning training	061	Other (describe):
050	Participants' availability for training		
051	Other (describe):		

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PART II-B - Continued

3. FACTORS-COMMODITIES

PLACE AN "X" IN APPROPRIATE BLOCK:	062 FFF	063 NON-FFF	064 NO COMMODITY ELEMENT	X	
					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 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.

This project has had the benefit of outstanding competence on the part of both the implementing agency and the GOI. Implementation to date has consisted of survey studies and reports by contractor teams. These studies and reports have been comprehensive and timely.

b. Implementing Agency

The National Rural Electric Cooperative Association is the contract implementing agency. The technical teams provided for surveys and studies in the project areas have been well qualified and performed their duties on schedule. Although some lack of uniformity was noted in the early team reports, this did not interfere with the progress of the project and the earlier discrepancies were corrected by the last two reports.

c. Participants

This element begins in CY 1969.

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PART III - ROLE OF THE COOPERATING COUNTRY

The following list of illustrative items are to be considered by the evaluator. In the block after only those items which significantly affect project effectiveness, write the letter P if the effect of the item is positive or satisfactory, or 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 ministries.	P
081	Coordination and cooperation of LDC gov't. with public and private institutions and private enterprise.	P
082	Availability of reliable data for project planning, control and evaluation.	P
083	Competence and/or continuity in executive leadership of project.	P
084	Host country project funding.	
085	Legislative changes relevant to project purposes.	
085	Existence and adequacy of a project-related LDC organization.	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, i.e., ability to implement project plans.	
094	Intent and/or capacity to sustain and expand the impact of the project after U.S. inputs are terminated.	
095	Extent of LDC efforts to widen the dissemination of project benefits and services.	
096	Utilization of trained manpower (e.g., participants, counterpart technicians) in project operations.	
097	Enforcement of relevant procedures (e.g., newly established tax collection and audit system).	
098	Other:	

HOST COUNTRY COUNTERPART TECHNICIAN FACTORS:

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 succinct discussion and overall appraisal of the quality of country performance related to this project, particularly over the past year. Consider important trends and prospects. See Detailed Instructions for an illustrative list of considerations to be covered.

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

106 NARRATIVE FOR PART III (Continue on form AID 1020-25 I):

Country performance has been limited to the functioning of the ad hoc Committee at the center level and officials of the State Electricity Boards in the States where the pilot projects are to be undertaken. Performance at both levels with survey and study teams has been exceptionally good. The ad hoc Committee established a favorable atmosphere for the technical study teams at all levels and the State Electricity Boards gave full support in providing statistical data and local information.

Many factors in Part III not commented upon are important to the success of the project. However, since the project activities have been limited to preliminary surveys, the rating of such factors awaits our experience in implementation.

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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):

Projection implementation has not proceeded to the extent that would reflect need for any adjustment in purpose or design.

IV-B - PROPOSED ACTION

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

1. Continued as presently scheduled in XXXX	X
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:

See 107 above

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