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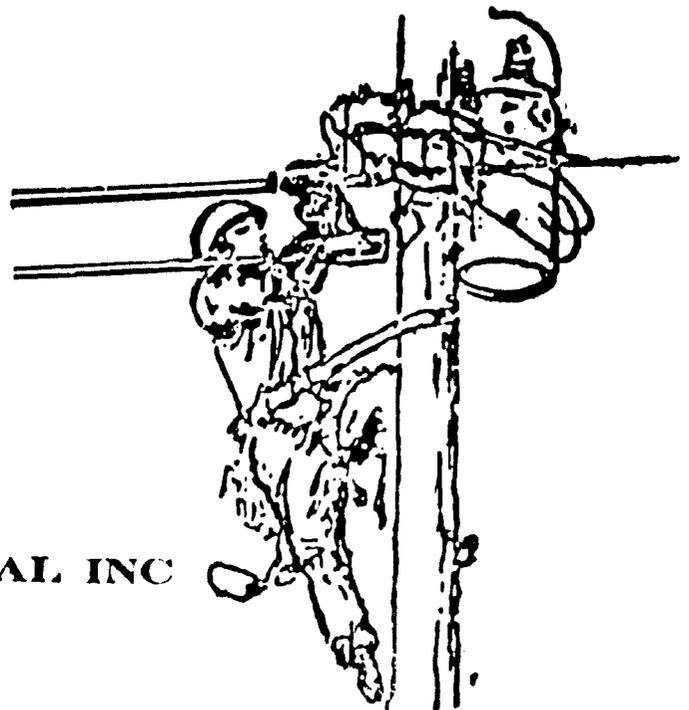
# DIRECTORATE GENERAL OF COOPERATIVES

**AID LOAN NO. 497-T-052  
RURAL ELECTRIFICATION PROJECT  
CONTRACT  
AID / ASIA - C - 1357**

**MONTHLY REPORT  
FOR MAY 1982**

**MAIN**

**CHAS. T. MAIN INTERNATIONAL INC**



**MAIN**  
*Engineers*

**CHAS. T. MAIN INTERNATIONAL, INC.**

BANDUNG - T R O M O L P O S 69. TEL. : 5 6 8 6 9. JLN. PROGO 32  
JAKARTA - P.O. BOX 46 KBYT. KERAYORAN TIMUR. TEL. 774041-2. 776925 JL. WHAYA 1/61  
SEMARANG - P.O. BOX 26. TEL. : 3 1 1 7 0 2. JLN. S L A M E T 5

Date : June 10, 1982  
Letter No. : R - 2944

USAID  
c/o American Embassy,  
Jalan Merdeka Selatan No. 5,  
Jakarta, Indonesia

Attn. : Mr. J.D. Baird  
Rural Electrification I  
Project Officer

Subject : Rural Electrification  
Contract No. AID/ASIA-C-1357  
MONTHLY REPORT for May 1982

Gentlemen:

Attached hereto are twelve (12) copies of our report  
summarizing MAIN's activity for the month ending 31 May 1982.

Very truly yours,

CHAS. T. MAIN INTERNATIONAL, INC.,



*Ronald H. Dowling*  
R. Dowling  
Projects Director

- cc. : Mr. Soedjanadi - Director General for Cooperatives, w/3 copies.
- Mr. Muslimin Nasution - Secretary to the Deputy Minister for Cooperatives, w/2 copies.
- Mr. Sjouffjan Awal - Chief PDO/RE, w/6 copies.
- Mr. Achmad Markam - Chief Foreign Technical Aid Division/ Secretariat to the Directorate General for Coops., w/1 copy.
- Mr. Peter McNeill - NRECA, w/1 copy.
- Mr. A.J. Curran - MAIN Boston, w/2 copies.

-/jd

R E P O R T

NO. 31

RURAL ELECTRIFICATION PROJECT - INDONESIA

UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT

LOAN NO. 497-T-052

MONTHLY REPORT

M A Y 1982

SUBMITTED BY

CHAS. T. MAIN INTERNATIONAL, INC.

RURAL ELECTRIFICATION PROJECT  
MONTHLY REPORT  
M A Y 1982  
DIRECTORATE GENERAL OF COOPERATIVES

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## I. DESCRIPTION OF PROJECT

The objective of this Project is to assist the Government of Indonesia (GOI) in its plan to provide area-wide electric power distribution facilities in ten specific areas.

Three service areas are located on the islands of Sumatra, Lombok and Sulawesi and will be constructed and operated as investor owned Cooperatives under the direction of the Directorate General of Cooperatives (DGC). Seven systems will be located in the Province of Central Java under the direction of the National Electric Power Agency (PLN). Information presented in this report applies to the DGC service areas only.

The Cooperative Projects will consist of approximately 1,647 kilometers of overhead primary and secondary distribution lines and is planned to encompass at least 190 towns and villages. The completed Project will ensure the eventual availability of reliable and inexpensive electric service to an estimated 110,000 homes. Approximately 51,500 customers are scheduled to be connected during the first three years of operation and the remainder are planned to be connected during the following twelve years.

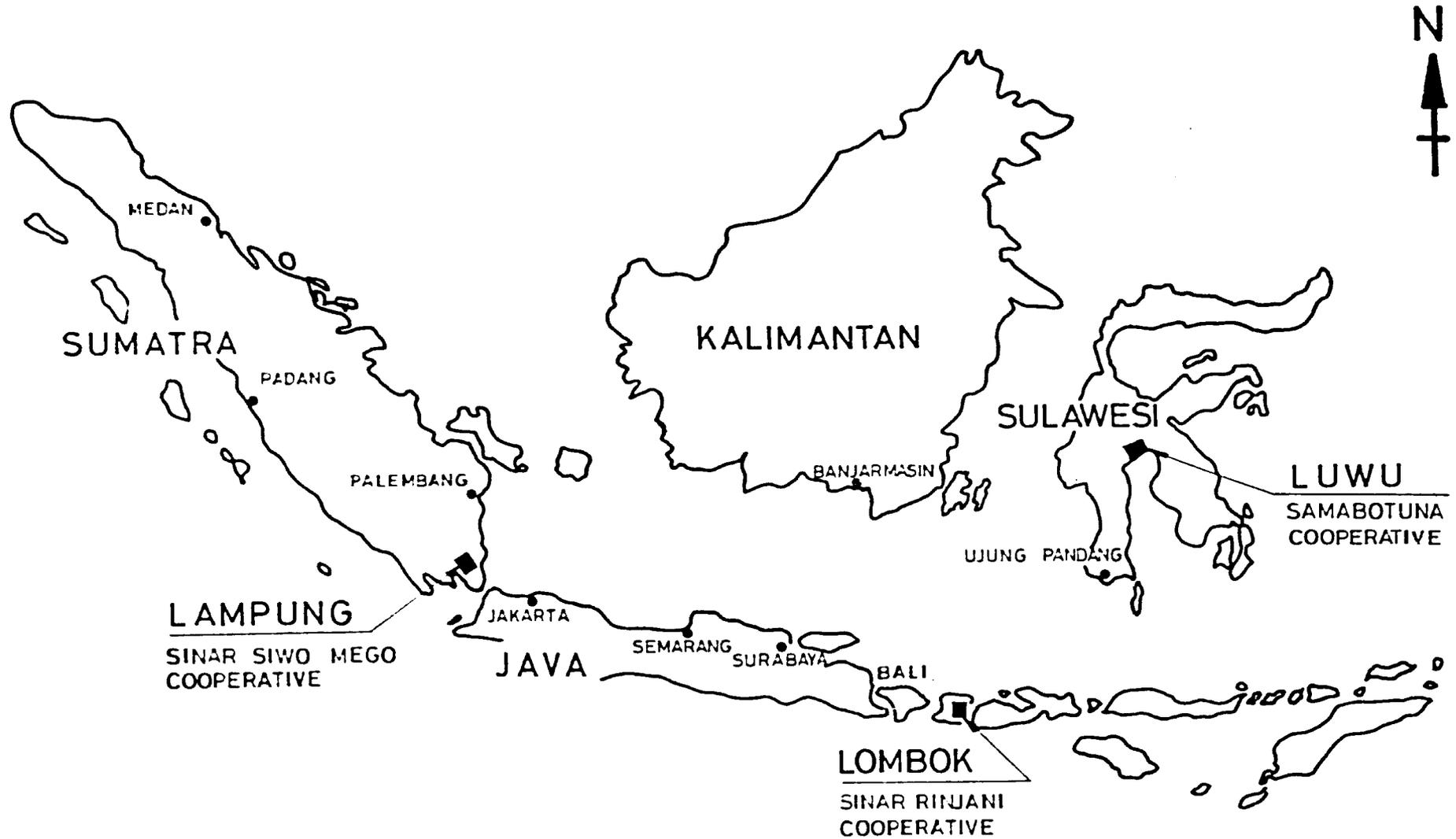
Each of the Project service areas shall include a Headquarters Complex consisting of a Cooperative administrative office building and a warehouse building, containing an operations office and vehicle maintenance facilities, as well as covered and open material and equipment storage areas.

The power requirements of the completed distribution system will be supplied by diesel powered electric generating plants which shall be owned and operated by each of the Cooperatives. These generating plants are to be installed by virtue of Loan and Grant Funds provided by CIDA as well as GOI Funds.

Locations of the three Cooperative service areas are shown on Page 3 of this report. Project service areas, estimated pole line kilometers, numbers of villages to be served and the approximate number of consumer connections after three years of commercial operation are as follows :

<u>SERVICE AREA</u>	<u>COOPERATIVE</u>	<u>POLE LINE KM</u>	<u>VILLAGES TO BE SERVED</u>	<u>APPROXIMATE NO. OF CONNECTIONS</u>
Central Lampung Sumatra	Sinar Siwo Mego	974	108	23,000
East Lombok	Sinar Rinjani	196	32	14,000
Luwu, South Sulawesi	Samabotuna	477	50	14,500
		-----	----	-----
		1,647	190	51,500
		=====	===	=====

# LOCATIONS OF PROJECT SITES



## II. ENGINEER'S SCOPE OF WORK

On 18 September 1978, Contract No. AID/ASIA-C-1357 was executed between the United States Agency for International Development ( USAID ) and Chas. T. Main International, Incorporated ( MAIN ). MAIN's scope of work, as described in this Contract and as amended by Amendment No. 1 to said Contract, is as follows :

### A. ENGINEERING/DESIGN

MAIN will be responsible for all phases of the Cooperative distribution systems to include field surveys, electrical design studies and the preparation of material, equipment and construction specifications. The design and construction management of Headquarters Complexes at each of the three Cooperative sites will also be MAIN's responsibility.

### B. PROCUREMENT

Procurement activities to be performed by MAIN shall include the preparation and issuance of tender documents, evaluation of proposals received, recommendations for awards of contracts, preparation and administration of supply contracts and assistance to PDO/RE and the Cooperatives in the receiving, inspection and storage of project material and equipment.

### C. CONSTRUCTION

MAIN shall be responsible for administrative procedures relevant to the construction of the Cooperative distribution systems and Headquarters Complexes. Responsibilities shall include the pre-qualification of local construction contractors, the preparation and issuance of construction tender documents, bid evaluations for awards of contracts and the preparation and administration of construction contracts.

Construction records to be maintained by MAIN shall include distribution systems construction inventories, as-built construction drawings, construction schedules and documentation

for payments to the construction contractors. MAIN shall also be responsible for construction supervision and inspection of all aspects of the contractor's construction activities.

D. TRAINING

The PDO/RE staff will increase their administrative and technical skills through active participation in MAIN's Project activities.

This transfer of technology through On-The-Job Training is concentrated primarily with the six Electrical Engineers and four Design Draftsmen who are designated to be assigned to MAIN's production staff by Amendment No. 1.

III. FINANCIAL

A. Following is a summary of costs to U.S. AID through 22 April 1982 and to DGC through 24 May 1982 :

	<u>BUDGET</u>	<u>INVOICED TO DATE</u>	<u>PAID TO DATE</u>
USAID	\$ 5,355,261	\$ 4,087,870	\$ 3,977,850
DGC		Rp.54.182.030	Rp.54.182.030.-

B. A detailed breakdown by Contract line item of MAIN's invoices to USAID is as follows :

	<u>Budget</u>	<u>Cost To Date</u>		<u>TOTAL</u>
		<u>PLN</u>	<u>DGC</u>	
Salaries & Wages	\$ 1,484,257	\$ 611,168	\$ 684,838	\$ 1,296,006
Fringe Benefits	278,636	87,753	93,879	181,632
Allowances	382,355	138,098	166,706	304,804
Travel & Transportation	959,825	296,235	273,304	569,539
Other Direct Costs	450,037	44,747	200,747	245,494
Overhead	1,390,151	573,247	641,551	1,214,798
Fee	410,000	130,981	144,616	275,597
<b>T O T A L</b>	<u>\$ 5,355,261</u>	<u>\$ 1,882,229</u>	<u>\$ 2,205,641</u>	<u>\$ 4,087,870</u>
	=====	=====	=====	=====

#### IV. ENGINEER

##### A. SYSTEM DESIGN

The office design of the electrical distribution systems of the three (3) Cooperative service areas are complete. Preparation of maps and staking sheets for the three (3) service areas continued during this report period.

The following pages indicate the previous, current and total progress of mapping, survey and staking sheet preparation for each service area; page 9 - Lampung, page 10 - Lombok and page 11 - Luwu.

The initial sets of staking sheets for the service areas of Lombok and Luwu have been prepared. These completed staking sheets are being checked by MAIN's Electrical Engineer and Project Lead Engineer. Approximately eighty (80) percent of the initial staking sheets for the originally estimated line lengths of the Lampung service area have been prepared. The actual kilometer of lines that will be staked in the Lampung service area will perhaps exceed 1400. See relevant comments under Problem Areas, Section VII of this report.

On May 24, 1982 MAIN's Luwu service area Field Supervisor was temporarily transferred to the Lampung service area. He is assisting the survey and staking crews of the Sinar Siwo Mego Cooperative in line survey and pole staking in order to complete that phase of the Project as soon as possible.

Two Distribution Engineers of MAIN's Project Staff were terminated on 1 May 1982. All work in conjunction with the preparation of staking sheets, from that date, will be the responsibility of MAIN's remaining Staff Distribution Engineer.

MAIN remains optimistic that the preparation of Project Staking Sheets can be completed by 1 July 1982 for the kilometers of line in the original estimate, that being 974 kilometers.

The preparation of the DGC Specifications and Construction Standards as well as Project Mapping were restricted due to the hospitalization in April and May of MAIN's Drafting Supervisor.

The DGC Specifications and Construction Standard Drawings will be completed by MAIN's Project Staff and distributed during the first week of June.

The April Monthly Project Report indicated that the system mapping schedule would be fixed after the return to the Project from the hospital of MAIN's Drafting Supervisor. It is apparent that the mapping requirement cannot be completed as originally scheduled on 30 June 1982. Refer to Section VII of this report, Project Implementation Problem Areas - System Mapping.

A training program in the preparation of staking sheets and the use of the DGC Construction Standards was presented to the Engineering Staff of PDO/RE by MAIN's Electrical Engineer in conjunction with NRECA personnel.

A1. STATUS REPORT OF MAPS, SURVEY AND STAKING SHEETS INDICATING SELECTED KEY QUANTITIES

FOR THE SERVICE AREA : Lampung

<u>DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>PREVIOUSLY COMPLETED</u>	<u>PROGRESS THIS REPORT PERIOD</u>	<u>COMPLETED TO DATE</u>
1. Key Maps _____	1	.15	0	.15
2. Detail Maps _____	35	0	0	0
3. Centerline Staking (Kilometers) _____	974	974	0	974
4. Pole Staking (Kilometers) _____	974	600	291	891
5. Line Restaking, Kilometers (Resurvey) _____	100	0	0	0
6. Staking Sheets _____	850	452	196	648
A) Checked _____	850	98	0	98
B) P o l e s _____	12,700	5,450	3,249	8,699
C) Pole Line Kilometers _____	974	423	216	639
(a) Primary _____	563	235	120	355
(b) Secondary _____	411	188	96	284
(c) Underbuild _____	424	175	90	265
D) Approved _____	850	98	0	98

\*) INCLUDES APRIL AND MAY PROGRESS.

A2. STATUS REPORT OF MAPS, SURVEY AND STAKING SHEETS INDICATING SELECTED KEY QUANTITIES

FOR THE SERVICE AREA : Lombok

	<u>DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>PREVIOUSLY COMPLETED</u>	<u>PROGRESS THIS REPORT PERIOD</u>	<u>COMPLETED TO DATE</u>
1.	Key Maps _____	1	.1	0	.1
2.	Detail Maps _____	7	0	0	0
3.	Centerline Staking (Kilometers) _____	196	196	0	196
4.	Pole Staking (Kilometers) _____	* 196	155	0	155 *
5.	Line Restaking, Kilometers (Resurvey) _____	25	0	0	0
6.	Staking Sheets _____	* 250	190	0	190 *
A)	Checked _____	250	190	0	190
B)	P o l e s _____	2,600	2,097	0	2,097
C)	Pole Line Kilometers _____	196	155	0	155
	(a) Primary _____	148	113.544	0	113.544
	(b) Secondary _____	48	41.456	0	41.456
	(c) Underbuild _____	54	57.174	0	57.174
D)	Approved _____	250	0	190	190

\* STAKING AND STAKING SHEETS ARE COMPLETE. DIFFERENCE BETWEEN STAKED AND ESTIMATED LINE LENGTH IS DUE TO A TRANSMIGRATION AREA WITHIN THE COOPERATIVE'S SERVICE AREA WHERE IT IS NOT POSSIBLE TO DETERMINE LINE OR SERVICE LOCATIONS.

A3. STATUS REPORT OF MAPS, SURVEY AND STAKING SHEETS INDICATING SELECTED KEY QUANTITIES

FOR THE SERVICE AREA : L u w u

	<u>DESCRIPTION</u>	<u>ESTIMATED QUANTITY</u>	<u>PREVIOUSLY COMPLETED</u>	<u>PROGRESS THIS REPORT PERIOD</u>	<u>COMPLETED TO DATE</u>
1.	Key Maps _____	1	.15	0	.15
2.	Detail Maps _____	30	0	0	0
3.	Centerline Staking (Kilometers) _____	477	611	0	611
4.	Pole Staking (Kilometers) _____	477	611	0	611 *)
5.	Line Restaking, Kilometers (Resurvey) _____	50	0	0	0
6.	Staking Sheets _____	415	620	0	620 *)
	A) Checked _____	415	620	0	620
	B) P o l e s _____	7,500	8,336	0	8,336
	C) Pole Line Kilometers _____	477	611.318	0	611.318
	(a) Primary _____	263	337.120	0	337.120
	(b) Secondary _____	214	274.198	0	274.198
	(c) Underbuild _____	214	256.408	0	256.408
	D) Approved _____	415	0	620	620

\*) - POLE STAKING SHEETS ARE COMPLETED FOR THIS COOPERATIVE.

## B. DESIGN OF HEADQUARTERS COMPLEX

PDO/PE's and MAIN's Tender Evaluation Committee completed the evaluation process of the tenders received for construction of the three (3) Headquarters Complexes. The committee's recommendations were forwarded to USAID on 13 May 1982 for review, approval or suggestions. USAID replied on 19 May 1982 concurring with the recommendations of the PDO/RE and MAIN evaluation committee of contract award to the lowest responsive qualified bidders. Notice of Contract Award may be sent to the following Contractors for construction of the Headquarters Complexes at the Sinar Siwo Mego Cooperative at Central Lampung, Sinar Rinjani Cooperative at East Lombok and the Samabotuna Cooperative located at Luwu, South Sulawesi for the noted Rupiah value.

1. C.V. Perkasa (Lampung) Rp. 318,166,000.-
2. P.T. Pembangunan  
Perumahan (Lombok) Rp. 380,565,000.-
3. P.T. Central and  
Company (Luwu) Rp. 379,090,000.-

Notices of Contract Award had not been dispatched by the end of this report period.

Please refer to Section VII of this report, Project Implementation Problem Areas - Headquarters Complex Construction.

The following distribution Headquarters Complex Construction Plans by MAIN to date is as follows :

<u>Name of Office</u> <u>Intended Use</u>	<u>Construction Plans for</u>		
	<u>LAMPUNG</u>	<u>LOMBOK</u>	<u>LUWU</u>
PDO/RE-IFB sale	10	8	11
PDO/RE-Office Copy	1	1	1
USAID-Office Copy	1	1	1
NRECA-Office Copy	1	1	1
Sinar Siwo Mego Coop.	1		
Sinar Rinjani Coop.		1	
Samabotuna Coop.			1
PDO/RE-Building Permits	3	6	
MAIN's Field Supervisor	1		1
SANDWELL-Home Office	1		
Provincial Coop. Office	1		

MAIN requested PDO/RE to return the unsold copies of the Headquarters Complex Construction Drawings so these drawings could be utilized in the implementation phase of construction of the Complexes. PDO/RE indicated they had no unused or unsold copies to return.

C. FIELD TRIPS

MAIN's Project Engineering Office Staff made no field trips during this report period.

V. PROCUREMENT

A. MAIN's Project procurement activity during this report period was centered around the evaluation of tenders opened on 18 May 1982 for the supply of line and housewiring materials. One hundred twenty six (126) copies of the IFBs were issued to prospective bidders. Forty three (43) bids were received at time of bid opening. The planned schedule of events relevant to this IFB series is as follows :

<u>EVENT</u>	<u>DATE</u>	<u>MONTHS</u>
IFB Preparation started	1 December 1981	
IFB Preparation complete	15 January 1982	1.5
IFB Approved by PDO/RE and USAID	15 February 1982	1
IFB Advertisement	19 March 1982	1
IFB Opening	18 May 1982	2
IFB Evaluation complete	15 June 1982	1
SEKNEG Evaluation approval	15 July 1982	1
Contract formalities complete	1 September 1982	1.5
L/Com and L/C issued and opened	15 October 1982	1.5
Material Delivery FOB vessel	15 January 1983	3
Material Delivery Port of Entry	15 March 1983	2
Material Delivery at site	1 April 1983	0.5
		<hr/> 16 Months

The three IFBs include bid requests for the following Categories of Material and Equipment for the areas noted.

<u>DESCRIPTION</u>	<u>LAMPUNG</u>	<u>LOMBOK</u>	<u>LUWU</u>
1. Line Hardware (Additional)	x	x	x
2. Steel Strand		x	
3. Conductor, Bare	x	x	x
5. Conductor, Bare (Special)	x	x	
*6. Conductor, Insulated (Special)		x	
8. Connectors (Additional)	x	x	x
9. Insulators		x	
14. Wood Products (Additional Items)	x	x	x
2H. Cables	x	x	x
3H. Wiring Devices - I	x	x	x
4H. Wiring Devices - II	x	x	x
8H. Miscellaneous Material - II	x	x	x

\* Include in Category 3 for Lombok.

A cursory review of the received bids indicates that MAIN's projected cost estimate for this tender series was perhaps one hundred percent too high. MAIN's estimate of \$ 3,400,000 may be actual cost the cooperatives \$ 1,700,000. The difference was caused by assuming prices received two years ago for identical material from U.S. suppliers with a thirty (30) percent price escalation.

The U.S. economy has suffered a tremendous downturn causing in fact a reduction in prices quoted by U.S. suppliers. In fact it appears that most of the supply contract may be awarded to companies whose manufacturing plants are in Southeast Asia where production costs are much less than in the U.S. Due to the low prices for material on this tender series it now appears that extended Project work may be appropriate, see Section VII of this Project Report, Project Implementation Problem Area for a discussion on possible Project enhancement.

In April MAIN requested a group of four companies to offer telex quotations for the supply of certain line hardware items to be supplied to the Samabotuna Cooperative located at Luwu, South Sulawesi. This request for quotations was necessary due to the fact that, in most instances, the required quantities exceeded the original Contractors Contract by more than the increase permitted of 25 %.

Quotations were requested from the following companies :

1. Irby Construction
2. New World Research Corp.
3. McGraw Edison Company
4. Hayden Company

The telex quotations received were higher in price than the prices in the Contractor's Contract for these same items, therefore, an amendment is being processed that will increase the supply Contractors payments to include the increased quantities of material required.

Refer to Section VII of this Monthly Project Report, Project Implementation Problem Areas for comments on Supply of Treated Wood Poles and Electrical System Construction.

**B. COMMUNICATION EQUIPMENT**

The Single Side Band Radio Communication Equipment procured for each of the three service areas and PDO/RE Jakarta are installed and operational. The Contractor is still in the process of making final adjustments to obtain maximum usability of the sets.

**C. FIELD TRIP BY MAIN'S PROJECT MATERIAL COORDINATOR**

MAIN's Project Material Coordinator did not make any field trips during this report period.

**D. PROCUREMENT STATUS REPORT**

Information covering Project Procurement is included in this report as Appendix - II.

VI. CONSTRUCTION - REIL PROJECTS

A. LAMPUNG

The installation completed during the month and total installations of the Lampung REIL Project are as follows :

	<u>PREVIOUS</u>	<u>M A Y</u>	<u>TOTAL</u>
Signed Members	1,691	13	1,704
Service Drops	1,446	17	1,463
Houses Wired	1,472	15	1,487
Members Served	1,345	27	1,372
Meters Set	1,433	38	1,471
Poles Set	838	0	838
Guys Installed	359	0	359
Transformers Set	43	0	43
Maximum Demand	150 KW	156 KW	156 KW

In the Lampung service area MAIN's Field Supervisor has split the line survey and staking crew into three groups, thereby making it possible to increase the kilometers of line staked in a given time frame. During May 152 kilometers of line were staked including 13 villages. A fourth crew has been requested.

Refer to Section VII of this report - Project Implementation Problem Areas for a new problem encountered by MAIN's Field Personnel, in getting work accomplished at the Cooperatives.

The temporary assignment of MAIN's Luwu service area Field Supervisor to the Sinar Siwo Mego Cooperative, as discussed on page 7 of this report, will be instrumental in the completion of the Lampung service area pole staking.

B. LOMBOK

MAIN's Project Field Supervisor who was working in the Lombok service area departed during the month of April. Therefore, information concerning the status of the Lombok REIL Project Construction activity will no longer be reported.

C. LUWU

MAIN's Project Field Supervisor normally assigned to the Luwu service area has been temporarily stationed in the Lampung service area as discussed above and on Page 7 of this report. Therefore, information concerning the status of Luwu REIL Project Construction activity will temporarily not be reported.

D. FIELD TRIP

MAIN's Projects Director visited a cooperative during this report period accompanied by NRECA personnel. The purpose of the trip was to review paralleling practices applied when the generator sets supplying power to the REIL Projects are connected together. A set of instructions on paralleling procedures will be subsequently prepared and distributed by NRECA.

VII. PROJECT IMPLEMENTATION PROBLEM AREAS

A. MORALE OF COOPERATIVE PERSONNEL

It has been reported by MAIN's Field Staff that the morale and, therefore, the productivity of the cooperative's staff personnel has recently deteriorated. This morale and productivity problem has been caused by a recent over-all reduction in staff salaries. This problem is viewed by MAIN's staff as a serious deterrent to Project implementation.

MAIN understands that the above noted problem is not within their area of responsibility to solve, but it certainly affects MAIN's implementation of the Project and, therefore, we are stating the problem as it exists.

B. AMOUNT OF ELECTRIC LINE STAKED

The quantity of line staked in excess of MAIN's estimate was discussed in the April Monthly Project Report. It was reported in May by MAIN's Field Staff assigned to the Sinar Siwo Mego Cooperative that the amount of line to be staked there will exceed 1400 Kilometers.

MAIN's original estimate of line required for the Lampung service area was 974 Km. Staking sheets for the original estimated quantity of line will be completed in June, but the excess 400 plus kilometers of line required to be staked and staking sheet preparation will necessitate the extension of time for MAIN's Distribution Engineer

to the end of September. Project termination date for the Distribution Engineer had been established as 30 June 1982.

A possible solution to the financing of material and equipment for the increased quantity of line and technical assistance is proposed in Section C which follows.

C. PROJECT DOLLAR FUNDS

The tenders opened during this report period came in well under the amount estimated as discussed on page 16 of this report. The amount of Dollar Funds available to the Project for additional enhancement, which may be available for projected Project implementation is shown on appendix page AII - 2 as approximately \$ 1,700,000.

These funds may be used in a number of ways, a few of which are as follows :

1. Procurement implementation of material and equipment for the originally estimated line length of 1,647 kilometer is nearing completion. The line length now being staked is approximately 2200 Km or approximately 550 Km over the amount for which material and equipment is being procured. A safe assumption is that the 550 Km will be either single phase primary with two wire underbuild or three wire secondary. Based upon the cost of material and equipment procured to date less the price of poles for single phase primary with underbuild and three wire secondary will average \$ 1,500.- per

kilometer. Therefore, a new tender series may be issued for Luwu and Lampung consisting of material for 550 Km of line to cost approximately \$ 825,000.

2. A quantity of the remaining funds may be utilized for additional foreign technical assistance such as the funds required to complete staking and the staking sheets and expanded field supervision.  
This is estimated to cost \$ 300,000.00.
3. The estimated cost for construction of the Headquarters Complexes exceeded the amounts USAID and GOI allocated by approximately \$ 200,000.00. This additional cost may be covered from the existing loan funds now available.
4. Office equipment and furnishings for the three cooperatives warehouses and offices could be obtained from the remaining Project funds. These items may cost approximately \$ 200,000.00 as a total for all three sites.
5. Cooperative pole tag machines with tape - \$ 20,000.00.
6. Cooperative construction line tools and equipment - \$ 150,000.00.

D. POLE PROCUREMENT

No decision was forth coming from PDO/RE by the close of this report period on the scheduling of pole procurement.

It will take a contractor quite a few months after he is awarded a supply contract for wood poles to cut, dry, transport and treat them and then deliver the poles to the cooperative.

MAIN estimates that three months will elapse between IFB issue and contract award. It now appears that the start of delivery spelled out in the IFB draft for Wooden Poles, which was January 1983, cannot be met.

The Project schedule indicates contractor services starting in February 1983 and line construction by 1 March 1983 in all areas. That schedule will be impossible to meet without pole delivery.

A pole supply IFB for all three services areas should be issued immediately.

E. SYSTEM CONSTRUCTION IFBs

Assuming that prequalification of bidders is required, MAIN should be permitted to proceed with bidder prequalification and issue of System Construction IFB's for all three service areas. The system construction period for all three service areas indicated in the Project schedule is twenty months starting from February 1983.

The twenty month period was predicated on the use of qualified construction contractors with manpower, tools and equipment adequate to fulfill the specified installation schedule. Any delay in proceeding with construction contracting as originally planned will result in extension of the project completion date. All offices concerned must be aware that system installation by other than contractors will extend the construction phase of the Project into 1985 and perhaps 1986.

F. SYSTEM MAPPING

Previous reports indicated that MAIN's estimate for key and detail map completion was 30 June 1982. That schedule cannot be met due to the hospitalization of MAIN's Drafting Supervisor. It is proposed that the Drafting Supervisor's Project Termination date be extended to 31 July 1982. That extension of time will permit almost one hundred percent of the key maps to be completed and the PDO/RE's Draftsmen trained in Detail Map preparation.

G. VEHICLE PROCUREMENT

The IFB's for procurement of vehicles for the three cooperative service areas were opened 26 May 1981. The validity of the submitted bids expired after ninety days with no contract consummations. No further activity has been pursued after the initial procurement attempt.

A Dollar value of \$ 250,000.00 is indicated on page AII - 2 of Appendix II of this report as the amount set aside for vehicle procurement. PDO/RE should ascertain if imported vehicle, locally assembled vehicles or no vehicles be purchased for the Cooperatives. Dollar funds now set aside for vehicle procurement may be utilized for other project related equipment or activities if the decision is made to delete vehicle procurement.

APPENDIX I  
(PROJECT PERSONNEL)

Personnel Assigned To The Project as of 31 May 1982

D.A. Dowling	-	Projects Director
E.S. Leffler	-	Project Lead Engineer
J.D. Kerr	-	Electrical Engineer
R.N. Key	-	Business Manager
P.V. Wilson	-	Material Coordinator
C.J. Whitby	-	Administrator
E.V. Borja	-	Distribution Engineer
D.K. Hoffer	-	Drafting Supervisor
F.P. Cachin	-	Field Supervisor
R.M. Garcia	-	Field Supervisor

Personnel Travel Details

Mr. N.G. Popov - Chas. T. Main's Manager International Projects arrived in Jakarta on 26 May 1982 to review Project status. His expected Jakarta departure date is 4 June 1982.

Mr. T.L. Resabal - MAIN's Project Distribution Engineer left the Project 1 May 1982 on the termination of his Project Contract.

Mr. G.S. Saniel - MAIN's Project Distribution Engineer left the Project 1 May 1982 on the termination of his Project Contract.

Mr. V.H. Sydiongeo - MAIN's Project Civil Engineer left the Project 12 May 1982 on the termination of his Project Contract.

Mr. D.K. Hoffer - MAIN's Drafting Supervisor returned to the Project on 10 May 1982.

Mr. Hoffer underwent surgery on 22 April 1982 in Singapore, he also worked only half days for two weeks after his return to the Project.

JOB CLASSIFICATIONS & MANMONTHS

Through 22 April 1982

JOB CLASSIFICATIONS	LOCATION	AGENCY		PRESENT PERSONNEL ASSIGNED	MANMONTHS		% CONS	% REMAIN
		PLN	DGC		ALLOCATED	CONSUMED		
Projects Director	Jakarta	x	x	D.A. Dowling	40	41.2	103.0	(3.0)
Business Manager	Semarang	x	x	R.N. Key	39	39.3	100.8	(.8)
Administrative Asst.	Jakarta	x	x		24	10.6	44.2	55.8
Area Manager	Semarang	x		H.E. Johnson	24	17.4	72.5	27.5
Lead Elect. Engineer	Semarang	x			38	27.7	72.9	27.1
Civil Engineer	Semarang	x		E.M. Downing	24	27.6	115.0	(15.0)
Architect		x			3	-	-	-
Field Supervisor	Semarang	x		H.E. Earl	37	37.	102.4	(2.4)
Field Supervisor	Semarang	x		J.J. Bennet	34	33.2	97.6	2.4
Field Supervisor	Semarang	x		J.V. Hardman	35	34.5	98.6	1.4
Project Lead Eng.	Jakarta		x	E.S. Leffler	39	39.5	101.3	(1.3)
Electrical Engineer	Jakarta		x	J.D. Kerr	24	32.6	135.8	(35.8)
Distribution Eng.	Jakarta		x	E.V. Borja	24	18.9	78.8	21.2
Distribution Eng.	Jakarta		x	G.S. Sanial	24	20.4	85.0	15.0
Distribution Eng.	Jakarta		x	T.L. Resabal	24	15.2	63.3	36.7
Civil Engineer	Jakarta		x	V.H. Sydiongeo	24	19.7	82.1	17.9
Drafting Supervisor	Jakarta		x	D.K. Hoffer	24	24.2	100.8	(.8)
Field Supervisor	Lampung		x	F.P. Cachin	35	38.3	109.4	(9.4)
Field Supervisor	Lombok		x	C.T. Nuez	35	32.2	92.0	8.0
Field Supervisor	Luwu		x	R.M. Garcia	35	39.0	111.4	(11.4)
Material Coordinator	Jakarta		x	P.V. Wilson	12	12.9	107.5	(7.5)
Administration Manager	Jakarta	x	x	C.J. Whitby	-	6.5	-	-
Home Office	Boston	x	x	Various	90	66.7	74.1	25.9
				TOTALS	688	635.5	92.4	7.6
					===	=====	====	====

IV  
-  
4

APPENDIX II  
PROCUREMENT STATUS

ACT

DISTRIBUTION AND STATUS OF PROJECT DOLLAR FUNDS FOR PROCUREMENT OF MATERIAL,  
EQUIPMENT AND HEADQUARTERS COMPLEX CONSTRUCTION

DOLLAR EXPENDITURES AS CONTRACTED AND ESTIMATED, FOR :	\$ FUNDS UNDER CONTRACT FOR THE LAMPUNG PROJECT	\$ FUNDS UNDER CONTRACT FOR THE LOMBOK PROJECT	\$ FUNDS UNDER CONTRACT FOR THE LUWU PROJECT	TOTAL \$ FUNDS UNDER CONTRACT TO DATE
LINE MATERIAL AND EQUIPMENT	1,992,759.60	554,812.77	907,139.42	3,454,711.79
HOUSEWIRING AND METERING MATERIAL AND EQUIPMENT	744,471.32	512,312.41	524,667.41	1,781,451.14
TOOLS, EQUIPMENT AND VEHICLES	58,866.22	45,644.20	45,644.20	150,154.62
HEADQUARTERS COMPLEX	0	0	0	0
REIL PROJECT	267,425.00	0	211,180.00	478,605.00
ESTIMATED AMOUNT OF DOLLAR FUNDS YET TO BE PUT UNDER CONTRACT	LAMPUNG	LOMBOK	LUWU	TOTAL PROJECT
LINE MATERIAL AND EQUIPMENT	755,000.00	287,900.00	586,600.00	1,629,500.00
HOUSEWIRING AND METERING MATERIAL AND EQUIPMENT	23,400.00	25,800.00	25,800.00	75,000.00
TOOLS, EQUIPMENT AND VEHICLES	140,000.00	55,000.00	55,000.00	250,000.00
HEADQUARTERS COMPLEX w/FURNITURE	525,000.00	535,000.00	540,000.00	1,600,000.00
REIL PROJECT	0	0	- 174,643.17	- 174,643.17
DOLLAR VALUE OF MATERIAL UNDER CONTRACT	3,063,522.14	1,112,769.38	1,688,631.03	5,864,922.55
ESTIMATED DOLLAR VALUE OF MATERIAL YET TO BE CONTRACTED	1,443,400.00	903,700.00	1,032,756.83	3,379,856.83
ESTIMATED TOTAL FUNDS REQUIRED FOR COMPLETION	4,506,922.14	2,016,469.38	2,721,387.86	9,244,779.38
ORIGINAL DOLLAR FUNDS COMMITTED FOR PROJECT	316,000.00 4,000,000.00	315,000.00 3,400,000.00	315,000.00 2,600,000.00	946,000.00 10,000,000.00
DIFFERENCE BETWEEN COMMITTED AND REQUIRED FUNDS	- 190,922.14	+ 1,698,530.62	+ 193,612.14	+ 1,701,220.62

PROCUREMENT STATUS REPORT  
FOR LAMPUNG



LAMPUNG

DISTRIBUTION LINE MATERIAL AND EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
1	LINE HARDWARE	HAYDEN 10/KLP/LA/81 \$ 492,152.00	19/11/81	25/11/81	29/12/81	28/12/81	18/1/82	6/2/82	15/2/82	11/3/82	12/3/82	2/4/82	22/4/82	22/4/82	22/4/82	22/10/81						
2	STEEL STRAND	NEW WORLD 02/KLP/LA/81 \$ 93,287.50	24/10/80	16/2/81	24/11/80	11/3/81	19/3/81	28/3/81	2/4/81	16/4/81	24/4/81	25/5/81	10/7/81	10/7/81	10/7/81	13/10/81	7/12/81	N/A	N/A	31/3/82	31/3/82	
3	BARE CONDUCTORS	NO CONTRACT																				
4	INSULATED CONDUCTORS	NEW WORLD 02/KLP/LA/81 \$ 321,049.25	24/10/80	17/2/81	24/11/80	11/3/81	19/3/81	28/3/81	2/4/81	16/4/81	24/4/81	25/5/81	10/7/81	10/7/81	10/7/81	13/10/81	23/10/81	5/2/82				
5	SPECIAL BARE CONDUCTORS	GRAYBAR 04/KLP/LA/81 \$ 12,874.60	24/10/80	11/3/81	9/5/81	2/4/81	14/4/81	24/4/81	27/4/81	8/5/81	12/5/81	25/5/81	14/7/81	14/7/81	14/7/81	N/A						
5	SPECIAL INSULATED CONDUCTORS	KABELINDO 07/KLP/LA/81 \$ 2,222.00	24/10/80	11/3/81	7/1/81	11/3/81	19/3/81	28/3/81	N/A	N/A	24/4/81	N/A	6/5/81	N/A	6/5/81	N/A	14/8/81	N/A	N/A	14/9/81	3/2/82	
7	CONDUCTOR ACCESSORIES	AMEND #2 PLP 06/KLP/LW/81 \$ 37,825.25	4/11/81	17/11/81	17/11/81	31/12/81	13/1/82	27/1/82	N/A	N/A	24/2/82	20/4/82	2/4/82	17/5/82								
8	CONNECTORS	IRBY 09/KLP/LA/81 \$ 56,950.45	31/10/81	10/12/81	10/12/81	23/12/81	22/3/82	17/4/82	28/4/82	17/5/82	18/5/82					22/10/81						

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NOTES :

LAMPUNG

DISTRIBUTION LINE MATERIAL AND EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED
9	INSULATORS	FUTURA 03 / KLP / LA / 81 \$ 156,257.19	18/10 80	11/12 80	25/1 81	11/3 81	19/3 81	28/3 81	2/4 81	16/4 81	24/4 81	25/5 81	10/7 81	10/7 81	10/7 81	7/11 81	21/12 81	30/3 82			
	INSULATORS	FUTURA AMENDMENT I -\$ 12,698.28	7/11 81	N/A	N/A	15/2 82	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	15/2 82	7/11 81	21/12 81	30/3 82			
10	PROTECTIVE DEVICES	NEW WORLD 02 / KLP / LA / 81 \$ 111,792.00	24/10 80	16/2 81	24/11 81	11/3 81	19/3 81	28/3 81	2/4 81	16/4 81	24/4 81	25/5 81	10/7 81	10/7 81	10/7 81	13/10 81	23/10 81	5/2 82			
11	TRANSFORMERS	META EPSI 06 / KLP / LA / 81 \$ 512,211.00	24/10 80	5/12 80	6/5 81	11/3 81	19/3 81	28/3 81	2/4 81	16/4 81	24/4 81	N/A	20/8 81	N/A	11/3 81	15/10 81					
	TRANSFORMERS	META EPSI AMENDMENT 2 +\$ 31,299.45	5/11 81	24/11 81	6/5 81	15/12 81	13/1 82	6/2 82	N/A	N/A	1/3 82	N/A	N/A	N/A		N/A					
12	RECLOSERS	MCGRAW. AMEND.1 03 / KLP / LO / 81 \$ 45,311.10	24/11 80	7/12 81	29/12 81	31/12 81	13/1 82	27/1 82	N/A	N/A	24/2 82	20/4 82	12/4 82	7/5 82	7/5 82	2/12 81					
13	STREET LIGHTING	IRBY 09 / KLP / LA / 81 \$ 21,012.95	31/10 81	10/12 81	10/12 81	23/12 81	22/3 82	17/4 82	28/4 82	17/5 82	18/5 82					22/10 81					
14	WOOD PRODUCTS	NEW WORLD 02 / KLP / LA / 81 \$ 89,025.00	24/10 80	16/2 81	24/11 81	11/3 81	19/3 81	28/3 81	2/4 81	16/4 81	24/4 81	25/5 81	10/7 81	10/7 81	10/7 81	13/10 81	14/2 82	3/5 82			

NOTES: ONLY AMENDMENTS WITH PRICE CHANGES ARE RECORDED.

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DISTRIBUTION LINE MATERIAL AND EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO.  CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
15	TEST AND MAINTENANCE EQUIPMENT	IRBY 09/KLP/LA/81 Rp 22,288.15	31/10/81	9/11/81	10/12/81	23/12/81	22/3/82	17/4/82	28/4/82	17/5/82	18/5/82					22/10/81						

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NOTES :

## HOUSEWIRING MATERIAL AND METERING EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
1	R E C METERS	G.E. 01H / KLP / LA / 81 \$ 590,440.10	6/11/81	19/11/81	31/11/81	11/12/81	14/1/82	27/1/82	30/1/82	13/2/82	12/3/82	22/4/82	22/4/82	5/5/82	5/5/82	N/A						
2	CABLES	NO CONTRACT																				
3	WIRING DEVICES-1	NO CONTRACT																				
4	WIRING DEVICES 2	NO CONTRACT																				
5	PROTECTIVE DEVICES	G.E. 01H / KLP / LA / 81 \$ 25,440.00	6/11/81	19/11/81	31/11/81	11/12/81	14/1/82	27/1/82	30/1/82	13/2/82	12/3/82	22/4/82	22/4/82	5/5/82	5/5/82	N/A						
6	LAMPS	WESTINGHOUSE 02H / KLP / LA / 81 \$ 15,750.00	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82								
7	MISC MATERIAL-1	WESTINGHOUSE 02H / KLP / LA / 81 \$ 65,657.70	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82								
8	MISC MATERIAL-2	NO CONTRACT																				

NOTES :

HOUSEWIRING MATERIAL AND METERING EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
9	MISC MATERIAL-3	WESTINGHOUSE 02H / KLP / LA / 81 \$ 21,411.52	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82								
10	GROUNDING EQUIPMENT	WESTINGHOUSE - 02H / KLP / LA / 81 \$ 25,772.00	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82								

6-11 V

NOTES :

LAMPUNG

TOOLS, EQUIPMENT AND VEHICLES

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
1	PERSONNEL EQUIPMENT	WESTINGHOUSE 02T/KLP/LA/81 \$ 5,479.76	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82								
2	HAND TOOLS	WESTINGHOUSE 02T/KLP/LA/81 \$ 3,654.56	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82								
3	CONSTRUCTION TOOLS & EQUIPMENT	GLORIA 01T/KLP/LA/81 \$ 16,822.54	6/11/81	7/11/81	12/4/82	31/12/81	3/2/82	25/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
4	COMPRESSION TOOLS	GLORIA 01T/KLP/LA/81 \$ 8,622.38	6/11/81	7/11/81	12/4/82	31/12/81	3/2/82	25/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
5	SHOP TOOLS	GLORIA 01T/KLP/LA/81 \$ 12,660.50	6/11/81	7/11/81	12/4/82	31/12/81	3/2/82	25/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
6	TEST EQUIPMENT	GLORIA 01T/KLP/LA/81 \$ 9,045.73	6/11/81	7/11/81	12/4/82	31/12/81	3/2/82	25/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
7	SAFETY GROUNDING EQUIPMENT	GLORIA 01T/KLP/LA/81 \$ 2,580.75	6/11/81	7/11/81	12/4/82	31/12/81	3/2/82	25/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
8	VEHICLES	NO CONTRACT																				

NOTES: N/A = NOT APPLICABLE AS DRA NOT L/COMM

CATEGORIES 3 THRU 7 L/COMM DELAY DUE TO UNACCEPTABLE PERFORMANCE BOND

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PROCUREMENT STATUS REPORT  
FOR LOMBOK



DISTRIBUTION LINE MATERIAL AND EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
1	LINE HARDWARE	JOSLYN 10 / KLP / LO / 81 \$ 140,618.20	19 / 11 / 81	26 / 11 / 81	31 / 12 / 81	28 / 12 / 81	18 / 1 / 82	6 / 2 / 82	15 / 2 / 82		12 / 3 / 82	2 / 4 / 82	22 / 4 / 82	22 / 4 / 82	22 / 4 / 82	19 / 11 / 81						
2	STEEL STRAND	NO CONTRACT																				
3	BARE CONDUCTOR	NO CONTRACT																				
4	INSULATED CONDUCTOR	NEW WORLD 05 / KLP / LO / 81 \$ 194,800.00	1 / 7 / 81	24 / 4 / 81	30 / 7 / 81	31 / 7 / 81	15 / 8 / 81	24 / 8 / 81	8 / 9 / 81	10 / 9 / 81	2 / 10 / 81	17 / 11 / 81	17 / 11 / 81	17 / 11 / 81			10 / 3 / 82					
5	SPECIAL BARE CONDUCTOR	NO CONTRACT																				
6	SPECIAL INSULATED CONDUCTOR	NO CONTRACT																				
7	CONDUCTOR ACCESSORIES	IRBY 08 / KLP / LO / 81 \$ 41,350.50	10 / 11 / 81	16 / 11 / 81	11 / 1 / 82	31 / 12 / 81	18 / 3 / 82	17 / 4 / 82	28 / 4 / 82	17 / 5 / 82	18 / 5 / 82					10 / 11 / 81						
8	CONNECTORS	IRBY 09 / KLP / LO / 81 \$ 44,659.29	2 / 11 / 81	9 / 11 / 81	17 / 12 / 81	23 / 12 / 81	18 / 3 / 82	17 / 4 / 82	28 / 4 / 82	17 / 5 / 82	18 / 5 / 82					22 / 10 / 81						

NOTES :

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LOMBOK

DISTRIBUTION LINE MATERIAL AND EQUIPMENT

CATEGORY	DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO.  CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED
9	INSULATORS	NO CONTRACT																			
10	PROTECTIVE DEVICES	MC GRAW-EDISON 07 / KLP / LO / 81 \$ 55,420.90	2 / 11 / 81	12 / 11 / 81	31 / 11 / 81	11 / 12 / 81	12 / 3 / 82	24 / 3 / 82	7 / 4 / 82	27 / 4 / 82	27 / 4 / 82	10 / 5 / 82	19 / 5 / 82		22 / 10 / 81						
11	TRANSFORMERS	TRANSFER FROM LAMPUNG																			
12	RECLOSERS	MC GRAW-EDISON 03 / KLP / LO / 81 \$ 45,588.47	27 / 5 / 81	17 / 6 / 81	20 / 3 / 81	17 / 7 / 81	20 / 7 / 81	4 / 8 / 81	12 / 8 / 81	1 / 9 / 81	3 / 9 / 81	1 / 10 / 81	17 / 11 / 81	17 / 11 / 81	17 / 11 / 81	26 / 3 / 82	10 / 3 / 82				
	RECLOSERS	MC GRAW EDISON AMENDMENT 2 -\$ 677.41	26 / 3 / 82	N / A	N / A	20 / 4 / 82	N / A	N / A	N / A	N / A	N / A	N / A	N / A	N / A	17 / 11 / 81	26 / 3 / 82	10 / 3 / 82				
13	STREET LIGHTING	IRBY 09 / KLP / LO / 81 \$ 11,185.35	2 / 11 / 81	9 / 11 / 81	17 / 12 / 81	23 / 12 / 81	18 / 3 / 82	17 / 4 / 82	28 / 4 / 82	17 / 5 / 82	18 / 5 / 82				2 / 11 / 81						
14	WOOD PRODUCTS	NO CONTRACT																			
15	TOOLS AND MAINTENANCE EQUIPMENT	IRBY 09 / KLP / LO / 81 \$ 21,190.06	2 / 11 / 81	9 / 11 / 81	17 / 12 / 81	23 / 12 / 81	18 / 3 / 82	17 / 4 / 82	28 / 4 / 82	17 / 5 / 82	18 / 5 / 82				22 / 10 / 81						

NOTES :

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HOUSEWIRING MATERIAL AND METERING EQUIPMENT

CATEGORY	DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO.	TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED
1	R & C METERS	G.E. 01H / KLP/LO/81 \$ 358,342.25	6 / 11 / 81	19 / 11 / 81	31 / 11 / 81	11 / 12 / 81	14 / 1 / 82	27 / 1 / 82	30 / 1 / 82	13 / 2 / 82	12 / 3 / 82	22 / 4 / 82	22 / 5 / 82	22 / 4 / 82	22 / 5 / 82	5 / 5 / 82	N / A	20 / 2 / 82	3 / 5 / 82	7 / 5 / 82	7 / 5 / 82	27 / 5 / 82
2	CABLES	NO CONTRACT																				
3	WIRING DEVICES - 1	NO CONTRACT																				
4	WIRING DEVICES - 2	NO CONTRACT																				
5	PROTECTIVE DEVICES	G.E. 01H / KLP/LO/81 \$ 25,440.00	6 / 11 / 81	19 / 11 / 81	31 / 11 / 81	11 / 12 / 81	14 / 1 / 82	27 / 1 / 82	30 / 1 / 82	13 / 2 / 82	12 / 3 / 82	22 / 4 / 82	22 / 5 / 82	22 / 4 / 82	22 / 5 / 82	5 / 5 / 82	N / A	20 / 2 / 82	3 / 5 / 82	7 / 5 / 82	7 / 5 / 82	27 / 5 / 82
6	LAMPS	FANATRI 03H / KLP/LO/81 \$ 12,677.20	6 / 11 / 81	11 / 12 / 81	23 / 2 / 82	23 / 12 / 81	N / A	N / A	N / A	N / A	N / A	N / A	N / A	10 / 5 / 82	10 / N / A	26 / 5 / 82	N / A	20 / 2 / 82	3 / 5 / 82	7 / 5 / 82	7 / 5 / 82	27 / 5 / 82
7	MISC MATERIAL - 1	WESTINGHOUSE 02H / KLP/LO/81 \$ 67,483.20	6 / 11 / 81	25 / 11 / 82	31 / 1 / 82	31 / 1 / 82	11 / 3 / 82	29 / 3 / 82	7 / 4 / 82	27 / 4 / 82	27 / 27 / 4 / 82	10 / 5 / 82	19 / 5 / 82									
8	MISC MATERIAL - 2	NO CONTRACT																				

NOTES :

HOUSEWIRING MATERIAL AND METERING EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
9	MISC MATERIAL - 3	WESTINGHOUSE 02H/KLP/LO/81 \$ 21,934.76	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82								
10	GROUNDING EQUIPMENT	WESTINGHOUSE 02H/KLP/LO/81 \$ 26,435.00	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82								

NOTES :

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LOMBOK

TOOLS EQUIPMENT AND VEHICLES

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO TO NAME BANK.	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
1	PERSONNEL EQUIPMENT	GLORIA 01T/KLP/LO/81 \$ 3,473.38	5/11/81	7/12/81	14/12/81	12/4/82	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
2	HAND TOOLS	WESTINGHOUSE 02T/KLP/LO/81 \$ 2,631.92	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82	19/5/82									
3	CONSTRUCTION TOOLS & EQUIPMENT	GLORIA 01T/KLP/LO/81 \$ 10,299.16	6/11/81	7/12/81	14/12/81	12/4/82	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
4	COMPRESSION TOOLS	GLORIA 01T/KLP/LO/81 \$ 6,219.38	5/11/81	7/12/81	14/12/81	12/4/82	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
5	SHOP TOOLS	GLORIA 01T/KLP/LO/81 \$ 12,297.50	5/11/81	7/12/81	14/12/81	12/4/82	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
6	TEST EQUIPMENT	GLORIA 01T/KLP/LO/81 \$ 9,031.61	5/11/81	7/12/81	14/12/81	12/4/82	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
7	SAFETY GROUNDING EQUIPMENT	GLORIA 01T/KLP/LO/81 \$ 1,691.25	6/11/81	7/12/81	14/12/81	12/4/82	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
8	VEHICLES	NO CONTRACT																				

NOTES: N/A = NOT APPLICABLE AS DRA NOT L COMM  
 CATEGORIES 1,3 THRU 7 L/COMM DELAY DUE TO UNACCEPTABLE PERFORMANCE BOND

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PROCUREMENT STATUS REPORT  
FOR LUWU



DISTRIBUTION LINE MATERIAL AND EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
1	LINE HARDWARE	HIJASON 01/KLP/LW/81 \$ 278,549.90	15/11/81	2/4/81	20/3/81	15/12/81	13/4/81	24/4/81	4/12/81	20/12/81	22/12/81	14/1/82	27/1/82	1/3/82	25/3/82	12/2/82	6/4/82					
2	STEEL STRAND	COPPERWELD 02/KLP/LW/81 \$ 47,028.00	28/11/80	26/12/80	18/2/81	2/4/81	10/4/81	24/4/81	18/4/81	8/5/81	12/5/81	25/5/81	14/7/81	28/8/81	28/8/81	14/10/81	9/11/81					
	STEEL STRAND	COPPERWELD AMENDMENT 2 - \$ 5,463.12	24/10/81	N/A	N/A	5/11/81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14/7/81	14/10/81	9/11/81					
3	BARE CONDUCTOR	NO CONTRACT																				
4	INSULATED CONDUCTOR	WALSIN LIHWA 04/KLP/LW/81 \$ 115,929.10	19/12/80	30/4/81	2/11/81	7/5/81	20/7/81	4/8/81	12/8/81	3/9/81	3/9/81	22/12/81	19/1/82	19/1/82	19/1/82	6/2/82						
	INSULATED CONDUCTOR	WALSIN LIHWA AMENDMENT 1 - \$ 3,355.10	6/2/82	N/A	2/11/81	8/4/82	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19/1/82	6/2/82						
5	SPECIAL BARE CONDUCTOR	COPPERWELD 02/KLP/LW/81 \$ 2,467.36	28/11/80	26/12/80	18/2/81	2/4/81	10/4/81	24/4/81	18/4/81	8/5/81	12/5/81	25/5/81	14/7/81	28/8/81	28/8/81	14/10/81	9/11/81					
	SPECIAL BARE CONDUCTOR	COPPERWELD AMENDMENT 2 + \$ 15,830.64	24/10/81	4/11/81	18/2/81	5/11/81	10/11/81	3/12/81	N/A	N/A	22/12/81	1/3/82	1/2/82	26/3/82	26/3/82	14/10/81	9/11/81					

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NOTES :

DISTRIBUTION LINE MATERIAL AND HARDWARE

CATEGORY	DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED
6	SPECIAL INSULATED CONDUCTOR	KABELINDO 05/KLP/LW/81 \$ 886.36	28/11/80	10/3/81	24/3/81	2/4/81	13/4/81	24/4/81	25/4/81	8/5/81	12/5/81	N/A	4/8/81	N/A	4/8/81	N/A	13/8/81	N/A	N/A	21/9/81	
7	CONDUCTOR ACCESSORIES	P.LP 05/KLP/LW/81 \$ 29,420.50	28/11/80	26/12/80	22/5/81	2/4/81	13/4/81	24/4/81	25/4/81	8/5/81	12/5/81	25/5/81	14/7/81	14/7/81	14/7/81	15/10/81	25/8/81				
	CONDUCTOR ACCESSORIES	P.LP AMENDMENT 1 + \$ 8,786.50	24/10/81	4/11/81	N/A	5/11/81	10/11/81	3/12/81	N/A	N/A	22/12/81	1/3/82	1/2/82	26/3/82	26/3/82	15/10/81					
8	CONNECTORS	IRBY 07/KLP/LW/81 \$ 23,210.15	26/11/80	13/2/81	28/9/81	22/6/81	12/10/81	12/11/81	19/11/81	29/12/81	13/1/82	1/2/82	1/2/82	10/3/82	10/3/82	5/9/81					
	CONNECTORS	IRBY AMENDMENT 1 + \$ 12,257.10	18/9/81	11/11/81	13/11/81	15/12/81	13/1/82		N/A	N/A						5/9/81					
9	INSULATORS	NEW WORLD 13/KLP/LW/81 \$ 68,988.40	10/11/81	25/11/81	19/11/81	3/12/81	18/1/82	6/2/82	26/2/82	11/3/82	12/3/82	2/4/82	22/4/82	22/4/82	22/4/82	N/A					
10	PROTECTIVE DEVICES	NEW WORLD 09/KLP/LW/81 \$ 34,337.00	29/11/80	31/3/81	17/3/81	22/4/81	22/4/81	27/5/81	11/6/81	25/6/81	7/7/81	26/7/81	5/8/81	5/8/81	17/8/81	4/11/81	14/12/81				
	PROTECTIVE DEVICES	NEW WORLD AMENDMENT 1 + \$ 16,740.00	4/11/81	N/A	N/A	15/12/81	13/1/82	27/1/82	N/A	N/A	24/2/82	19/4/82	2/4/82	10/5/82	10/5/82	4/11/81	14/12/81				

NOTES: ONLY LATEST AMENDMENTS EFFECTING CONTRACT PRICE ARE RECORDED.

DISTRIBUTION LINE MATERIAL AND EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
11	TRANSFORMERS	DAEWOO 10/KLP/LW/81 \$ 136,433.00	4/12/80	23/2/81	28/2/81	2/4/81	13/4/81	24/4/81	25/4/81	8/5/81	12/5/81	25/5/81	11/8/81	11/8/81	11/8/81	23/10/81	8/10/81					
	TRANSFORMERS	DAEWOO AMENDMENT 1 +\$ 55,071.00	23/10/81	14/12/81		31/12/81	13/1/82	27/1/82	N/A	N/A	24/2/82	19/4/82	2/4/82	6/5/82	6/5/82	23/10/81						
12	RECLOSERS	Mc GRAW-EDISON 11/KLP/LW/81 \$ 41,556.77	28/11/80	26/12/80	2/3/81	2/4/81	13/4/81	24/4/81	25/4/81	8/5/81	12/5/81	25/5/81	14/7/81	14/7/81	14/7/81	8/9/81	2/10/81					
	RECLOSERS	Mc GRAW-EDISON AMENDMENT 1 -\$ 671.81	8/9/81	N/A	N/A	17/9/81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	14/7/81	8/9/81	2/10/81					
13	STREET LIGHTING EQUIPMENT	AMEND. 2 IR BY 07/KLP/LW/81 \$ 11,185.35	10/11/81	18/12/81		31/12/81	13/1/82									10/11/81						
14	WOOD PRODUCTS	NEW WORLD 09/KLP/LW/81 \$ 37,340.00	28/11/80	31/3/81	17/3/81	22/4/81	22/4/81	27/5/81	11/6/81	25/6/81	7/7/81	26/7/81	5/8/81	5/8/81	5/8/81	4/11/81	14/2/82					
	WOOD PRODUCTS	NEW WORLD AMENDMENT 1 -\$ 6,300.00	4/11/81	N/A	N/A	15/12/81	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5/8/81	4/11/81	14/2/82					
15	TEST AND MAINTENANCE EQUIPMENT	NEW WORLD 13/KLP/LW/81 \$ 14,060.00	10/11/81	25/11/81	19/11/81	31/12/81	18/1/82	6/2/82	15/2/82	11/3/82	12/3/82	2/4/82	22/4/82	22/4/82	22/4/82	N/A						

NOTES :

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HOUSEWIRING MATERIAL AND METERING EQUIPMENT

CATEGORY	DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED
1	R & C METERS	G.E. 01H/KLP/LW/81 \$ 370,707.25	6/11/81	19/11/81	31/11/81	11/12/81	14/1/82	27/1/82	30/1/82	13/2/82	12/3/82	22/4/82	22/4/82	5/5/82	5/5/82	N/A					
2	CABLES	NO CONTRACT																			
3	WIRING DEVICES - 1	NO CONTRACT																			
4	WIRING DEVICES - 2	NO CONTRACT																			
5	PROTECTIVE DEVICES	G.E. 01H/KLP/LW/81 \$ 25,440.00	6/11/81	19/11/81	31/11/81	11/12/81	14/1/82	27/1/82	30/1/82	13/2/82	12/3/82	22/4/82	22/4/82	5/5/82	5/5/82	N/A					
6	LAMPS	FANATRI 03H/KLP/LW/81 \$ 12,677.20	6/11/81	11/12/81	23/2/82	23/12/81	N/A	N/A	N/A	N/A	18/1/82	N/A	25/4/82	N/A	25/4/82	N/A	20/2/82				
7	MISC MATERIAL - 1	WESTINGHOUSE 02H/KLP/LW/81 \$ 67,483.20	6/11/81	25/11/82	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82							
8	MISC MATERIAL - 2	NO CONTRACT																			

NOTES

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HOUSEWIRING MATERIAL AND METERING EQUIPMENT

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO. TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED
9	MISC MATERIAL - 3	WESTINGHOUSE 02H/KLP/LW/81 \$ 21,934.16	6/11 81	25/11 81	7/1 82	31/1 82	11/3 82	29/3 82	7/4 82	27/4 82	27/4 82	10/5 82	19/5 82								
10	GROUNDING EQUIPMENT	WESTINGHOUSE 02H/KLP/LW/81 \$ 26,435.00	6/11 81	25/11 81	7/1 82	31/1 82	11/3 82	29/3 82	7/4 82	27/4 82	27/4 82	10/5 82	19/5 82								

NOTES :

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TOOLS , EQUIPMENT AND VEHICLES

CATEGORY	CATEGORY DESCRIPTION	AWARDED TO CONTRACT OR AMENDMENT NO. CONTRACT PRICE	NOTICE OF AWARD	STAMP TAX PAID	PERFORMANCE BOND DELIVERED	CONTRACT SIGNED BY CONTRACTOR AND PDO	SUBMITTED TO BAPPENAS	BAPPENAS APPROVAL	TO BANK INDO TO NAME BANK	BANK NAMED	L/COMM REQUESTED	L/C REQUESTED	L/COMM ISSUED	L/C OPENED	DELIVERY PERIOD FINALIZED	MAIN TELLS CONTRACTOR QUANTITIES TO BE SHIPPED	DELIVERY COMMENCES	REPLACEMENT MATERIAL REQUESTED	REPLACEMENTS RECEIVED	DELIVERY COMPLETED	CONTRACT CLOSED	
1	PERSONNEL EQUIPMENT	GLORIA 01T / KLP / LW / 81 \$ 3,473.38	6/11/81	7/12/81	12/4/82	31/12/81	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
2	HAND TOOLS	WESTINGHOUSE 02T / KLP / LW / 81 \$ 2,631.92	6/11/81	25/11/81	31/1/82	31/1/82	11/3/82	29/3/82	7/4/82	27/4/82	27/4/82	10/5/82		19/5/82								
3	CONSTRUCTION TOOLS & EQUIPMENT	GLORIA 01T / KLP / LW / 81 \$ 10,299.16	6/11/81	7/12/81	12/4/82	31/12/81	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
4	COMPRESSION TOOLS	GLORIA 01T / KLP / LW / 81 \$ 6,219.38	6/11/81	7/12/81	12/4/82	31/12/81	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
5	SHOP TOOLS	GLORIA 01T / KLP / LW / 81 \$ 12,297.50	6/11/81	7/12/81	12/4/82	31/12/81	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
6	TEST EQUIPMENT	GLORIA 01T / KLP / LW / 81 \$ 9,031.61	6/11/81	7/12/81	12/4/82	31/12/81	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
7	SAFETY GROUNDING EQUIPMENT	GLORIA 01T / KLP / LW / 81 \$ 1,691.25	6/11/81	7/12/81	12/4/82	31/12/81	3/2/82	13/2/82	N/A	N/A	18/1/82	N/A	12/5/82	N/A	25/5/82							
8	VEHICLES	NO CONTRACT																				

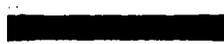
NOTES: N/A NOT APPLICABLE AS DRA NOT L/COMM

CATEGORIES 1,3 THRU 7 L/COMM DELAY DUE TO UNACCEPTABLE PERFORMANCE BOND

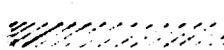
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APPENDIX III  
(SUMMARY OF PROJECT STATUS)

**LEGEND**

 Prior work accomplished

 Work accomplished during reporting period

 Work performed after scheduled completion date of the activity

ACTIVITY	% OF PROJECT	1978				1979											
		S	O	N	D	J	F	M	A	M	J	J	A	S			
<b>ENGINEERING</b>																	
DEMONSTRATION PROJECT DISTRIBUTION SYSTEM	2.9																
CENTERLINE STAKING SYSTEM DESIGN	7																
CONSTRUCTION DRAWINGS HEADQUARTERS COMPLEX	5.2																
A&E SERVICE	1.5																
SITE INVESTIGATION	.5																
PRELIMINARY DESIGN	.7																
FINAL DESIGN	.9																
CONSTRUCTION DOCUMENTS	.5																
<b>PROCUREMENT &amp; DELIVERY</b>																	
DEMONSTRATION PROJECT LINE MATERIAL	2.9																
POLES	11.9																
TOOLS & EQUIPMENT	6.2																
HOUSEWIRING MATERIAL & METERS	8.7																
<b>CONSTRUCTION</b>																	
DEMONSTRATION PROJECT DISTRIBUTION SYSTEM	2.5																
CONTRACTOR SERVICES	3.3																
LINE CONSTRUCTION	3.3																
LINE TESTING	2.8																
HOUSEWIRING & METERS SERVICES	8.5																
HEADQUARTERS COMPLEX CONTRACTOR SERVICES	2.9																
SITE DEVELOPMENT FOUNDATIONS	.6																
STRUCTURES	1																
SUPPORT SYSTEMS	1.2																
FINISH DETAILS	1																





Bar Chart revised as of July 31, 1981.

Bar Chart revised as of Dec. 31, 1981.

REPORTING PERIOD : May, 1982

Projected and completed percentages based upon activity months.

