

**PERUSAHAAN UMUM LISTRIK NEGARA
AGENCY OF MINISTRY OF MINES AND ENERGY
GOVERNMENT OF THE REPUBLIC OF INDONESIA**



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

CHAS.T. MAIN INTERNATIONAL, INC

RURAL ELECTRIFICATION PROJECT - INDONESIA
UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT
LOAN NO. 497-T-052

MONTHLY REPORT NO. 50
FOR
NOVEMBER, 1982

SUBMITTED BY
CIAS. T. MAIN INTERNATIONAL, INC.

RURAL ELECTRIFICATION PROJECT
MONTHLY REPORT
NOVEMBER, 1982

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I. INTRODUCTION

A. THE CONTRACT

Contract AID/ASIA-C-1357 was executed on September 18, 1978 between the United States Agency for International Development and Chas. T. Main International, Inc. following the completion of a Loan Agreement, AID Loan November 497-T-052, dated May 6, 1978, and a Grant Agreement, dated March 30, 1978, between the Republic of Indonesia and The United States of America for the implementation of a Rural Electrification Project, AID Project Number 497-0267.

Funding for Contract AID/ASIA-C-1357 is contained in the Grant Agreement. No Letter-of-Credit is involved in this contract. The date of implementation of the contract was September 18, 1978.

B. DESCRIPTION OF PROJECT

The objective of this project is to assist the Government of Indonesia (GOI) in its plan to provide areawide electric power distribution facilities in ten specified areas.

Seven of the project areas are located in the Province of Central Java, and the distribution system for these areas will be operated by Perusahaan Umum Listrik Negara (PLN). Information presented in this report applies to the Central Java Project Areas only.

The project will consist of approximately 2,500 kilometers of overhead primary and secondary distribution lines and is planned to encompass at least 440 towns and villages. The completed project will insure the availability of reliable, inexpensive electric service to an estimated 260,000 rural homes. Approximately 130,000 consumers will be connected during the first three years of operation, and the remainder connected during the following twelve years.

CENTRAL JAVA

RURAL ELECTRIFICATION
PROJECT SERVICE AREAS

Java Sea

WEST
JAVA



PEKALONGAN
PEKALANG

SEKARANG

BANTUL

SRAGEN

MAGELANG

CLACAP

SEMARANG

KLATEN

BANTUL

WONGGIRI

EAST JAVA

Indian Ocean



SCALE : NONE

CTM-109

The seven Central Java Project Service Areas are shown on CTM Map No. 109, page 2 of this report. These seven areas will be connected to the existing PLN, Central Java grid for their power requirements. Project Service Areas, number of villages served, approximate number of consumer connections and the estimated total number of power recipients are as follows :

<u>SERVICE AREA</u>	<u>VILLAGES SERVED</u>	<u>APPROXIMATE NO. OF CONNECTIONS</u>	<u>ESTIMATED NO. OF RECIPIENTS</u>
Klaten	95	25,000	225,000
Pem/Pek	103	20,000	180,000
Bantul	21	20,000	180,000
Wonogiri	54	15,000	135,000
Sragen	49	15,000	135,000
Mage lang	83	20,000	180,000
Banyumas	35	15,000	135,000
TOTALS	410	130,000	1,170,000

The above tabulations reflect project expectations after the first three years of commercial operation.

II. SCOPE OF SERVICES

The scope of MAIN's services is to assist and instruct the PLN staff located at Semarang and Central Java in all phases of the design and construction of seven rural electric distribution systems. The engineering assistance will consist of, among other things, circuit routing and phasing, structure selection, conductor selection, protection and sectionalizing, and estimating of material and equipment requirements. MAIN will prepare material and equipment bid documents and assist PLN in the evaluation of bids, the preparation and administration of material and equipment supply contracts and the receipt and distribution of materials and equipment. MAIN will also assist PLN during the construction phase of the project by inspecting construction for quality and quantities of work, maintenance of construction schedules and the inventory and documentation of completed construction.

III. PROJECT ACTIVITIES & PROGRESS

A. ENGINEERING

1. DISTRIBUTION SYSTEMS

The status of completion of the construction maps and structure data sheets for the various systems are shown in Table I. During the reporting period, there was no activity in this area since all maps and structure data sheets were 100% complete previously.

2. HEADQUARTERS COMPLEXES

During the reporting period, activity was limited to construction at the Wangon site and final inspection at Pemalang site.

B. PROCUREMENT

1. TOOLS AND EQUIPMENT

All tools and equipment ordered under this contract series have been shipped and the majority of items have been received. Some shipments have incurred some losses and damage. Replacements of lost and damaged items are being effected through insurance coverage and those claims are in process.

PLN has been advised that Cable Handling and Stringing Equipment, Inc., supplier of certain tools and equipment under contract No. PL 765/151/80, has filed bankruptcy act. PLN has instructed their attorneys in the U.S. to investigate the matter and protect PLN's interests. The U.S. attorney is in contact with CHASE's successor and is negotiating an agreement for completion of the Contract.

TABLE NO. 1
STATUS OF MAP AND STRUCTURE DATA SHEETS

As of : November 30, 1982

<u>Construction</u> <u>Beginning</u> <u>Sequence</u>	<u>PROJECT AREA</u>	<u>No. of</u> <u>Maps</u>	<u>P L N</u>			<u>Structure Data Sheets</u>		<u>M A I N</u> <u>Complete Field</u> <u>Checking &</u> <u>Revisions</u>
			<u>(1)</u> <u>Complete</u>	<u>No.</u> <u>Complete</u>	<u>Date of</u> <u>Completion</u>	<u>%</u> <u>Complete</u>	<u>Date of</u> <u>Completion</u>	
7	WANGON	311	100	311	RE 8/31/82	100	9/30/80	indefinite
2	KLATEN	352	100	352	A 4/30/81	100	10/31/80	A 1/31/82
1	MAGELANG	423	100	423	A 12/31/80	100	9/30/80	A 1/31/82
R 6	PEKALONGAN/PEMALANG	560	100	560	A 8/31/82	100	8/31/80	indefinite
3	SLEMAN/BANTUL	268	100	268	A 5/31/81	100	8/31/80	A 9/30/81
R 5	SRAGEN	364	100	364	A 7/31/81	100	9/30/80	A 1/31/82
4	WONOGIRI	530	100	530	A 10/31/80	100	9/31/80	A 4/15/82

A - ACTUAL

E - ESTIMATED

R - REVISED

(1) INCLUDES FIELD STAKING

Cable Handling and Stringing Equipment, Inc. has not completed shipment of pulling line and stringing blocks. Nor had they furnished replacement parts for items lost on previous shipment of reel stands and reel carriers. Pengo Industries, successor to Cable Handling, has agreed to complete the Contract.

2. MATERIALS AND EQUIPMENT

The majority of materials ordered under this Contract series has been shipped. The specific shipments of materials, and the receipt thereof, are shown in Table A-4.

3. HOUSEWIRING AND METERS

The majority of material ordered under this Contract series has been shipped. The specific shipments of materials, and the receipt thereof, are shown in Table A-4.

4. CONDUCTORS

P.T. Kabelindo Murni is presently under contract No. Pj. 391/PST/81 to supply conductors to PLN for project use, funded by a loan from the Netherlands. The Contractor has completed delivery of all aluminum conductors. ACSR conductors deliveries have not begun.

5. POLES

As of this reporting period, the PLN contractor supplying steel poles has delivered and set 19,988 steel R's poles. As of this reporting period, the PLN contractor supplying concrete poles has delivered and set 11,002 concrete poles. PLN has set a total of 8,850 wood poles as of the close of this reporting period.

6. DISTRIBUTION MATERIALS II

No material has been shipped under the two Contracts in this contract series.

7. HOUSEWIRING MATERIALS II

Contracts have been signed for the three Sections of work in this tender document. USAID has issued DRA's (Direct Reimbursement Authorization) for Contracts No. Pj. 266/PST/82 and Pj. 353/PST/82, and a Letter of Commitment for Contract No. Pj. 354/PST/82 is in the process of being issued. A partial shipment of Weatherheads, under Contract No. Pj. 353/PST/82, has been made and received.

8. DISTRIBUTION MATERIALS III

Eleven Contracts have been signed for twelve sections of work in this tender document. One Contract, for Section CS-2, is now with PIN for signing.

Letters of Commitment and Letters of Credit have been issued for four Contracts :

Pj. 278/PST/82	Pj. 282/PST/82
Pj. 281/PST/82	Pj. 290/PST/82

Letters of Commitment, or DRA, are being processed by U.S.AID for five Contracts

Pj. 351/PST/82	Pj. 407/PST/82
Pj. 352/PST/82	Pj. 433/PST/82
Pj. 406/PST/82	

U.S. AID has also been requested to issue Letters of Credit for two Contracts :

Pj. 361/PST/82	Pj. 414/PST/82
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9. FUNDING

The present accumulated value of funds committed from the U.S. AID loan, through Letters-of-Commitment and Direct Reimbursement Authorization, are shown in Table 2 of this report. Additional details of contracts, Letters-of-Commitment, and Letters-of-Credit are shown in Table A-3.

G. CONSTRUCTION

1. DISTRIBUTION SYSTEMS

Due to lack of material, line construction during this period was limited to the setting of poles.

Data showing quantities of construction units installed are shown in Table 3.

2. HEADQUARTERS COMPLEXES

The status of construction of all sites is shown on Table 4. Six sites; at Sragen, Wonogiri, Klaten, Bantul, Pemalang and Magelang; have been accepted as complete. Wangon is behind schedule but is expected to be completed in November.

D. PROJECT PROGRESS

Project completion is estimated to be 44.18 percent as compared to scheduled completion of 38.41 percent.

TABLE NO. 2
COMMITTED FUNDS - AID LOAN

As of : November 30, 1982

<u>NO.</u>	<u>CONTRACT SUPPLIER</u>	<u>AMOUNT</u>	<u>NO.</u>	<u>LETTER OF COMMITMENT</u>	
				<u>BANK</u>	<u>AMOUNT</u>
Pj. 196/PST/1980	Maison Int'l. Ltd.	\$ 322,267.55	497-T-05207	CitiBank NA	\$ 323,878.89
Pj. 198/PST/1980	New World Research Corp.	853,965.00	497-T-05208	Citibank NA	838,023.20
Pj. 198/PST/1980	Hyundai Corp.	327,804.00	497-T-05209	Citibank NA	329,443.02
Pj. 215/PST/1980	Om International	194,511.17	497-T-05210	Wells Fargo	1,426,494.30
Pj. 216/PST/1980	American Curtis, Inc.	569,473.00			
Pj. 223/PST/1980	Om International	79,493.63			
Pj. 225/PST/1980	Cable Handling & Stringing Equip. Inc.	377,747.75			
Pj. 243/PST/1980	ITT Export Corp.	198,171.76			
Pj. 009/PST/1981	Irby Const. Co.	471,255.70	497-T-05214	Citibank NA	975,530.55
Pj. 030/PST/1981	Copperweld Industries	499,244.46			
Pj. 031/PST/1981	McGraw Edison Co.	87,619.20			
Pj. 032/PST/1981	Produtos Para Linhas Preformados Ltda.	167,054.75	497-T-05215	American Express	255,947.33
Pj. 295/PST/1981	P.T. Mataram Indah	131,795.78	052-26	DRA	131,795.78
Pj. 297/PST/1981	P.T. Elprima Agung	478,345.08	052-27	DRA	478,345.08
Pj. 156/PST/1980	Walsin Lihwa	28,602.25	497-T-05229	Chase Manhattan	907,526.56
Pj. 170/PST/1980	Walsin Lihwa	878,750.00			

NO.	CONTRACT SUPPLIER	AMOUNT	NO.	BANK	LETTER OF COMMITMENT	
					AMOUNT *	AMOUNT *
Pj. 148/PST/1981	Hyosung Corp.	\$ 1,950,594.00	497-T-05223	Chase Manhattan	\$ 1,960,346.97	
Pj. 157/PST/1981	P.T. Putera Tolhas	30,929.92	052-30	DRA	24,164.00	
Headquarter Complex Construction		1,733,000.00	052-25	DRA	1,738,000.00	
Pj. 422/PST/1981	General Electric Co.	2,740,031.40	497-T-05233	Bank of America	2,753,731.56	
Pj. 354/PST/1981	Hijason Industrial	490,389.15	497-T-05234	Citibank	492,841.10	
Pj. 535/PST/1981	New World Research	338,936.00	497-T-05235	Chemical Bank	340,650.68	
Pj. 001/PST/1982	Hijason Industrial	138,317.65	497-T-05242	Bank of America	139,009.24	
Pj. 006/PST/1982	General Electric Co.	41,574.28)				
Pj. 409/PST/1981	New World Research	1,586,065.00)	497-T-05243	Bank of America	1,635,777.48	
Pj. 035/PST/1982	Titan Engr. Corp.	33,983.44	497-T-05241	Citibank		
NRECA Training Contract						
Vehicle Purchase		80,090.00	052-01	DRA	34,153.36	
Vehicle Purchase		112,507.00	052-02	DRA	80,090.00	
NRECA Training Contract		126,509.00	052-03	DRA	112,507.00	
Air Travel for Trainee		81,150.00	052-03	DRA	126,509.00	
Pj. 278/PST/1982	Midland Metals	6,350.00	052-06	DRA	81,150.00	
Pj. 281/PST/1982	Atlantica Corp.	16,720.70)			6,350.00	
Pj. 290/PST/1982	McGraw-Edison Co.	16,445.00)	497-T-05250	Citibank	38,425.31	
Pj. 282/PST/1982	Daewoo Corp.	5,066.45)				
Pj. 266/PST/1982	P.T. Elprima Agung	321,372.60	497-T-05251	Citibank	322,979.46	
Pj. 353/PST/1982	P.T. Sidohita Co.	141,418.92	027-Amend. 1	DRA	141,418.92	
		50,261.98	026-Amend. 1	DRA	50,261.98	
	Present Total	\$ 15,652,791.57			\$ 15,705,128.77	

* Includes Bank Charges

LEGEND

- 1 - REPORTING PERIOD
 2 - TOTAL TO DATE
 3 - COMPLETE

TABLE 3
SUMMARY OF CONSTRUCTION FACILITIES
DISTRIBUTION SYSTEMS

As of : 30 November 1982

SITE (1)	POLE (2)	FRAMING (CKT KM)			CONDUCTORS (CKT KM)			TRANSFORMERS APPARATUS (9)
		3Ø (3)	1Ø (4)	SEC (5)	3Ø (6)	1Ø (7)	SEC (8)	
KLATEN	-1	582	-	-	-	-	-	-
	-2	6968	24.04	21.58	103.35	24.5	16.60	41.87
	-3	65.90	37.55	8.63	20.74	38.23	6.64	8.40
MAGELANG	-1	578	-	-	-	-	-	-
	-2	5208	8.3	27.01	79.02	14.7	28.59	36.04
	-3	75.31	15.84	9.50	32.41	28.05	10.05	14.78
PEMALANG	-1	- 0 -	-	-	-	-	-	-
	-2	5115	16.24	30.90	117.23	16.55	28.24	43.36
	-3	36.07	17.74	9.32	19.71	18.08	8.52	7.29
SLEMAN/ BANTUL	-1	262	-	-	-	-	-	-
	-2	6702	12.33	17.23	83.03	10.57	19.78	36.92
	-3	96.62	28.42	10.16	23.66	24.09	11.67	10.52
SRAGEN	-1	62	-	-	-	-	-	-
	-2	6649	1.22	22.07	39.95	1.22	13.20	10.12
	-3	84.09	3.3	9.84	9.57	3.3	5.89	2.42
KANGON	-1	187	-	-	-	-	-	-
	-2	4006	14.19	11.94	46.19	16.78	13.99	27.65
	-3	73.70	31.48	7.27	21.86	37.22	8.51	13.09
MONOGIRI	-1	155	-	-	-	-	-	-
	-2	5192	19.39	21.10	95.03	21.14	22.18	44.74
	-3	47.29	33.03	5.96	15.72	36.02	6.27	7.40

IV. ADMINISTRATION

A. PERSONNEL

Table 5 lists the job classifications and associated manmonths allocated to MAIN. Also shown are the personnel assigned and manmonths consumed for each job classification. The associated manmonths and the percentages related thereto that are shown are as of November 4, 1982.

B. LOGISTICS

Table A-2, Appendix, lists the continuing logistic support furnished by PIN to MAIN.

TABLE 5
JOB CLASSIFICATIONS & MANMONTHS

THROUGH : 4 November 1982

JOB CLASSIFICATIONS	LOCATION	AGENCY		MANMONTH				
		FLN	DGC	ALLOCATED(*)	CONSUMED	% CONS.	% REMAIN	
Project Director	Jakarta	x	x	64	46.3	72.5	27.7	
Business Manager	Semarang	x	x	63	44.6	70.8	29.2	
Admin. Manager	Jakarta	x	x	24	12.7	52.9	47.1	
Administrative Ass't.	Jakarta	x	x	11	10.6	96.4	3.6	
Area Manager	Semarang	x		21	20.5	97.6	2.4	
Lead Elect. Engineer	"	x		28	27.7	98.9	1.1	
Civil Engineer	"	x		31	30.7	99.0	1.0	
Const. Manager	"	x		38	37.9	99.7	0.3	
Field Supervisor	"	x		34	33.2	97.7	2.3	
Field Supervisor	"	x		35	34.4	98.3	1.7	
Lead Elect. Engineer	Jakarta		x	E. Leffler	66	44.9	68.0	32.0
Elect. Engineer	"		x		35	35.8	102.3	(2.3)
Elect. Engineer	"		x	E. V. Borja	25	25.0	100.0	- 0 -
Elect. Engineer	"		x		20	20.6	103.0	(3.0)
Elect. Engineer	"		x		15	15.5	103.3	(3.3)
Civil Engineer	"		x		20	20.4	102.0	(2.0)
Senior Draftsman	"		x		27	26.2	97.0	3.0
Field Supervisor	Lampung		x	F. P. Cachin	64	44.3	69.2	30.8
Field Supervisor	Lombok		x	C. R. Katindoy	57	36.6	64.2	35.8
Field Supervisor	Luwu		x	R. M. Garcia	64	45.0	70.3	29.7
Material Supervisor	Jakarta		x	P. V. Wilson	21	18.8	89.5	10.5
Boston Office				Various	82	73.2	89.3	10.7
					<u>845</u>	<u>704.0</u>	<u>83.4</u>	<u>16.6</u>
					===	=====		

* As adjusted by Contract Amendments.

V. FINANCIAL

A. Following is a summary of costs invoiced to U.S. AID through November 4, 1982 and to PLN through October 31, 1982.

	<u>Budget</u>	<u>Invoiced To Date</u>	<u>Paid To Date</u>
U.S. AID	\$ 5,355,261	\$ 4,685,328	
PLN		Rp. 87.228.556,-	Rp. 85.482.970,-

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

<u>Description</u>	<u>Budget</u>	<u>Cost To Date</u>		<u>TOTAL</u>
		<u>PLN</u>	<u>DGC</u>	
Salaries & Wages	\$ 1,484,257	\$ 667,351	\$ 800,647	\$ 1,467,998
Fringe Benefits	278,636	97,039	100,080	197,119
Allowances	382,355	149,685	208,836	358,521
Travel & Transport- ation	959,825	345,980	320,373	666,353
Other Direct Costs	450,037	47,691	218,924	266,615
Overhead	1,390,151	626,217	749,380	1,375,597
Fee	410,000	161,600	191,525	353,125
T O T A L . . . :	\$ 5,355,261	\$ 2,095,563	\$ 2,589,765	\$ 4,685,328

VI. PROBLEM AREAS

1. The source and funding of the additional conductor requirements are still unresolved. Discussions have been held on this subject, however; with a view toward procurement of some part of these additional requirements from the U.S. AID Loan funds which, at this time, remain uncommitted. The possible utilization of these funds for additional material and equipment has also been discussed but no formal proposal has yet been made to AID.
2. Lengthy delays in clearing of material through Customs and the subsequent preparation of Receiving Reports, has consequently delayed the completion of "Certificates of Performance" and/or claims for replacement of missing or damaged material. The concerned PLN staff are trying to devise ways to expedite these procedures.

VII. OFFICIAL VISITS AND TRIPS

On November 4 through 6, final inspections were conducted of the Headquarters Complex Facilities at Pemalang, Magelang, Wonogiri and Bantul by staff of USAID, PLN and CIM.

On November 14 and 15 Mr. R.C. Johnson and Mr. Eddy Setianto, of U.S. AID met with PLN staff in Semarang for project coordination discussions.

VIII. PROJECT CORRESPONDENCE

A. The following communications were issued from MAIN's Semarang Office during the reporting period :

<u>Addressee</u>	<u>Letter No.</u>	<u>Date</u>	<u>Subject</u>
U.S. AID	S - 8802A	11-11-82	Contract No. AID/ASIA-C-1357 Rural Electrification Invoice No. AID-120
D.A. Dowling	S - 8802B	11-11-82	Prequalification of Contractor
U.S. AID	S - 8804	11-11-82	Rural Electrification Project Contract No. AID/ASIA-C-1357 Monthly Report - October 1982
D.A. Dowling	S - 8806	11-11-82	Purchase of non-expendable equipment.
U.S. AID	S - 8810	13-11-82	Housewiring Connections Rural Electrification Project
P. I. Ring	S - 8812	13-11-82	Rural Electrification Invoice No. 54 P/E Oct. 31, 1982
Mr. Soedjono	S - 8814	18-11-82	Documents of Material Shipment Contract Pj. 170/PST/81 Walsin Lihwa Electric Wire & Cable Corp. R.E.P.
PLN Pusat	S - 8818	19-11-82	Certificate of Performance Contract No. Pj. 422/PST/81 General Electric Co. R.E.P.
PLN Pusat	S - 8822	20-11-82	Certificate of Performance Contract No. Pj. 031/PST/81 McGraw-Edison Co. R.E.P.
C.V. Dahana Kencana	S - 8824	20-11-82	Damage to Material Contract No. Pj.031/PST/81 McGraw-Edison Co. R.E.P.
General Electric Co.	S - 8826	23-11-82	Notification of Damage in Shipment Contract Pj.422/PST/81 Central Java, Indonesia.
PLN Pusat	S - 8830	26-11-82	Certificate of Performance Contract No. Pj. 170/PST/81 Walsin Lihwa Electric Wire & Cable Corp. R.E.P.

<u>Addressee</u>	<u>Letter No.</u>	<u>Date</u>	<u>Subject</u>
PLN Pusat	S - 8832	26-11-82	Certificate of Performance Contract Pj. 409/PST/81 New World Research
Ir. Doddy J. Widada	S - 8834	26-11-82	Contract Pj. 006/PST/82 General Electric Co. Potential Transformers & Systems Meters.
P. I. Ring	S - 8836	27-11-82	Contract No. Pj. 195/PST/80 Replacement of Damaged Ground Rods New World Research Corp. R.E.P.
New World Research Corp. U.S.A.	S - 8838	27-11-82	Contract Pj. 195/PST/80 Rural Electrification Project Central Java, Indonesia.
PLN Pusat	S - 8840	29-11-82	Contract No. Pj.029/Pst/81 Irby Constr. Co. Rural Electrification Project U.S. AID Loan 497-T-052

B. The following communications were issued from MAIN's
Jakarta Office during the reporting period :

<u>Addressee</u>	<u>Letter No.</u>	<u>Subject</u>
N.G. Popov	J - 5596	TELEX - AID Contract Amendment
N.G. Popov/G. Sen	J - 5597	TELEX - Time Report.
J.D. Baird	J - 5598	Rural Electrification Project Main Field Staff Main Hour Report.
J.D. Baird	J - 5601	Rural Electrification Project Loan No. 497-T-052
Diane Kennedy	J - 5602	TELEX - Amendment No.1, Contract 216.
Ir. Moh. Basoeki	J - 5605	Rural Electrification Project Contract No. Pj. 216/PST/80 Amendment No. 1
U.S. AID	J - 5606	Contract no. AID/ASIA-C-1357 Rural Electrification Invoice No.119
Ir. Moh. Basoeki	J - 5615	Rural Electrification Project Contract for Supply of Distribution Materials III - Dalmison (Thailand) Co.
All PLN Personnel	J - 5617	Invitations for the Coordination Meeting Number 12 for the Central Java Rural Electrification Project.

<u>Addressee</u>	<u>Letter No.</u>	<u>Subject</u>
G. Sen/Popov	J - 5619	TELEX - Chase Contract No. Pj. 265/PST/80.
Ir. Soedarso	J - 5621	Rural Electrification Project Contract No. Pj. 361/PST/82
N.G. Popov	J - 5622	Memo - Rural Electrification Contract Amendment.
Willies Iskandar	J - 5623	TELEX - Contract Pj. 353/PST/82.
Willies Iskandar/ SIDOHITA	J - 5627	TELEX - PLN Contract No. Pj. 406/PST/82.
All Concerned	J - 5628	Cancelled the Coordination Meeting No. 12, for Central Java R.E. Project.
Patricia Cooney	J - 5637	TELEX - Pj. 422/PST/81
Leoncio/ Westinghouse	J - 5638	TELEX - Tools & Equipment
U.S. AID	J - 5639	Contract No. AID/ASIA-C-1357 Rural Electrification Invoice No. AID-121.
Ir. Soedarso	J - 5642	Rural Electrification Project Contract No. Pj. 414/PST/82.
Mr. Paulus/ Dahana Kencana	J - 5643	TELEX - PLN Contract Pj. 290/PST/82 Material Inspection.
Ir. A. Andoyo	J - 5646	Rural Electrification Project Contract No. Pj. 282/PST/82 Daewoo Corporation.
W. Russell/GE	J - 5651	TELEX - Pj. 422/PST/81
N.G. Popov/G. Sen	J - 5652	TELEX - Contract 035 - WESCO.
CITIBANK New York	J - 5653	TELEX - Bank Indonesia I/Credit.
J. De Vries/ Midland	J - 5654	Rural Electrification Project Contract No. Pj. 278/PST/82. Letter of Credit.
U.S. AID	J - 5658	Contract No. AID/ASIA-C-1357 R.E. Invoice No. AID-122.
Ir. A. Andoyo	J - 5659	Rural Electrification Project Contract No. Pj. 170/PST/81 Shipping Documents.

TABLE A - 1

PRE DESIGN LINE STAKING

<u>Service Area</u>	<u>No. Villages</u>	<u>Circuit Length - Total KM.</u>			<u>% of Feasibility Study Requirements</u>
		<u>Three Phase</u>	<u>Single Phase</u>	<u>Sec. Only</u>	
Sleman/Bantul	21	30	192.8	172.6	130
Banyumas	35	45.6	135.6	64.6	102
Klaten	102	64.5	246.8	303.8	112
Magelang	83	51.6	277.8	86.1	131
Pemalang/ Pekalongan	136	73.1	226.1	197.7	153
Sragen	55	35.1	217.3	236.4	149
Wonogiri	54	58.7	346.5	255.7	181

TABLE A-2
LOGISTICS SUPPORT

<u>PERSONNEL</u>	<u>LOCATION</u>	<u>HOUSING</u>	<u>BY</u>	<u>TRANSPORT</u>
D.A. Dowling & Family	Jakarta		AID	Vehicle by PLN operation by DCC
R.N. Key & Family	Semarang		PLN	PLN
C.J. Whitby & Family	Jakarta		AID	

PLN provides offices at Semarang for MAIN and full logistics support consisting of secretarial personnel, drivers and all operational necessiters.

PLN provides office facilities at Jakarta and partial operational support for that office.

PERCENT COMPLETION
ENGINEERING & CONSTRUCTION PROGRESS

<u>PERIOD</u>	<u>SCHEDULED</u>	<u>ACTUAL</u>	<u>PERIOD</u>	<u>SCHEDULED</u>	<u>ACTUAL</u>
OCT. 78	-	.04	JAN. 82	26.42	25.17
NOV. 78	-	.07	FEB. 82	28.59	27.85
DEC. 78	-	.15	MAR. 82	30.87	30.90
JAN. 79	-	.29	APR. 82	32.6	31.6
FEB. 79	-	.43	MAY 82	33.87	34.0
MAR. 79	-	.60	JUN. 82	34.71	40.0
APR. 79	-	.77	JUL. 82	35.53	40.75
MAY 79	-	.95	AUG. 82	36.34	41.50
JUN. 79	-	1.18	SEPT. 82	37.16	42.57
JUL. 79	-	1.41	OCT. 82	37.86	43.28
AUG. 79	-	1.64	NOV. 82	38.41	44.18
SEPT. 79	-	1.86	DEC. 82	38.56	
OCT. 79	-	2.07	JAN. 83	38.78	
NOV. 79	-	2.27	FEB. 83	42.18	
DEC. 79	-	2.42	MAR. 83	45.58	
JAN. 80	-	2.57	APR. 83	48.98	
FEB. 80	-	2.73	MAY 83	52.38	
MAR. 80	-	2.86	JUN. 83	55.78	
APR. 80	-	2.99	JUL. 83	59.18	
MAY 80	-	3.12	AUG. 83	62.58	
JUN. 80	-	3.25	SEPT. 83	65.98	
JUL. 80	-	3.32	OCT. 83	69.38	
AUG. 80	-	3.51	NOV. 83	72.78	
SEPT. 80	-	3.64	DEC. 83	76.18	
OCT. 80	-	3.77	JAN. 84	79.58	
NOV. 80	-	4.52	FEB. 84	82.98	
DEC. 80	-	5.66	MAR. 84	86.38	
JAN. 81	-	7.31	APR. 84	89.78	
FEB. 81	-	9.11	MAY 84	93.18	
MAR. 81	-	10.95	JUN. 84	96.58	
APR. 81	-	12.86	JUL. 84	100	
MAY 81	-	14.68			
JUN. 81	-	16.24			
JUL. 81	-	17.24			
AUG. 81	-	17.92			
SEPT. 81	-	18.15			
OCT. 81	20.17	19.34			
NOV. 81	22.21	20.85			
DEC. 81	24.37	22.60			

INSTRUCTION PROGRESS SYSTEM - CENTRAL JAVA

AS OF NOV 30 1983
REV 2

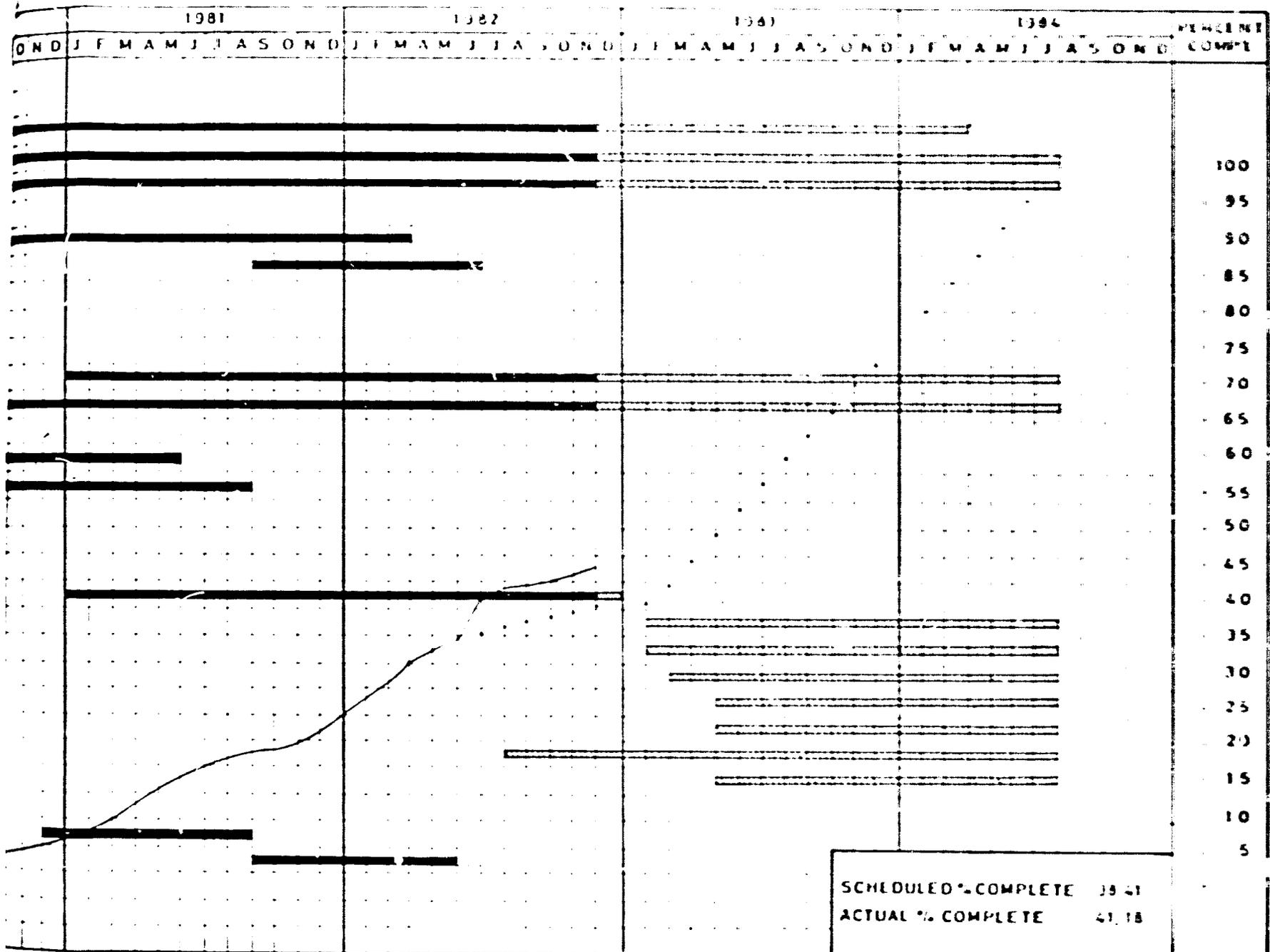


TABLE - 4
SUMMARY OF CONSTRUCTED FACILITIES
HEADQUARTERS COMPLEXES

As of October 31, 1961.

ACTIVITY	KLATEN		MAGELANG		PEKALONGAN		SLEMAN BANTUL		SRAGEN		WANGON		WONGOREI	
	OFFICE	WHSE	OFFICE	WHSE	OFFICE	WHSE	OFFICE	WHSE	OFFICE	WHSE	OFFICE	WHSE	OFFICE	WHSE
EXCAVATION/BACK-FILL	100	100	100	100	100	100	100	100	100	100	100	100	100	100
CONCRETE														
BELOW GRADE	100	100	100	100	100	100	100	100	100	100	100	100	100	100
ABOVE GRADE	100	100	100	100	100	100	100	100	100	100	100	100	100	100
CARPENTRY	100	100	100	100	100	100	100	100	100	100	99	99	100	100
MASONRY	100	100	100	100	100	100	100	100	100	100	100	100	100	100
PLUMBING	100	100	100	100	100	100	100	100	100	100	99	99	100	100
ELECTRICAL	100	100	100	100	100	100	100	100	100	100	99	99	100	100
FINISHING														
TRIM	100	100	100	100	100	100	100	100	100	100	99	99	100	100
TILE	100	100	100	100	100	100	100	100	100	100	99	99	100	100
PAINT	100	100	100	100	100	100	100	100	100	100	99	99	100	100
CONTRACT AMOUNT - RUPIAH	152,344,000		157,355,000 *		176,136,000 *		154,251,000 *		152,747,000 *		165,151,000		165,465,000 *	
% COMPLETE - PERIOD														
% COMPLETE - TO DATE	100		100		100		100		100		99		100	

* Revised Contract Amount resulting from finalized construction quantities.

SUMMARY OF CONTENT
CONTRACT FOR MATERIAL

CONTRACT No	CONTRACTOR	DATE OF CONTRACT	EFFECTIVE DATE OF CONTRACT	FOR SUPPLY OF	COMPLETION
Pj. 195/PST/80	New World Research Corp.	30-7-80		Lab. & Test Equipment 5,197,822.00 Vehicular Equipment 126,110.00 Ground Rods 519,000.00	111-100-111
Pj. 196/PST/80	Naison International Ltd.	18-8-80		Communication Equipment 225,073.74 Maint. Shop Equipment 97,494.84	111-100-111
Pj. 198/PST/80	Hyundai Corp.	5-8-80		Grounding Material 77,804.00	111-100-111
Pj. 215/PST/80	Ohm International, Inc.	8-9-80		Distr. Hand Tools 194,511.17	111-100-111
Pj. 216/PST/80	American Curtis, Inc.	8-9-80		Maintenance Trucks 569,475.00	111-100-111
Pj. 223/PST/80	Ohm International, Inc.	23-9-80		Compression Tools 79,495.65	111-100-111
Pj. 265/PST/80	Cable Handling & Stringing Equipment Inc.	27-10-80		Stringing Equipment 577,747.75	111-100-111
Pj. 269/PST/80	ITT Export Corp.	10-11-80		Distr. Line Tools 198,171.76	111-100-111
Pj. 029/PST/81	Irby Construction Co.	20-2-81	15-7-81	Service Materials 26,125.00 Protective devices 132,408.70	111-100-111
Pj. 030/PST/81	Copperweld Industries	23-2-81	10-7-81	Cable Strand 199,244.46	111-100-111
Pj. 031/PST/81	McGraw Edison Co.	23-2-81	17-6-81	Protective devices 87,649.20	111-100-111
Pj. 032/PST/81	Produtos Para Linhas Preformadas LTDA	23-2-81	15-6-81	Conductor Specialties 167,054.75	111-100-111
Pj. 148/PST/81	Hyosung Corp.	4-5-81		Distribution Transformers 1,950,294.00	111-100-111
Pj. 156/PST/81	Walsin Lihwa Electric Wire & Cable Corp.	27-5-81		Tie Wire 28,601.25	111-100-111
Pj. 157/PST/81	P.T. Putera Tolhas	9-5-81		Miscellaneous Materials - 1 30,929.92	111-100-111
Pj. 170/PST/81	Walsin Lihwa Electric Wire & Cable Corp.	27-5-81		Service Conductor-1 878,750.00	111-100-111

Best Available Document

CONTRACT STATUS
MATERIAL & EQUIPMENT

TABLE A-3
AS OF 12/31/82
SHEET 1 OF 3

CORRESPONDENT BANK	LETTER OF COMMITMENT			EXPIRES (DATE)	LETTER OF CREDIT		
	DATE	No.	DATE		ISSUE INDOONESIA No.	EXPIRES (DATE)	AMOUNT (USD)
CITI BANK N.Y.		197-T-05208	22-1-81	1-11-82	0105/1710/PI	31-12-82	
CITI BANK N.Y.		197-T-05207	25-11-80	1-21-82	0105/1610/PI	30-1-82	
CITI BANK N.Y.		197-T-05209	21-1-81	1-11-82	0105/16905/PI	30-2-82	
WELLS FARGO BANK INDONESIA PTY		197-T-05210	2-3-81	30-5-85	0105/1700/PI	31-12-82	
WELLS FARGO BANK INTERNATIONAL		197-T-05210	2-3-81	30-5-85	0105/18016/PI	31-12-82	30011
WELLS FARGO BANK INDONESIA PTY		197-T-05210	2-3-81	30-5-85	0105/17610/PI	31-12-82	
WELLS FARGO BANK INTERNATIONAL		197-T-05210	2-3-81	30-5-85	0105/17611/PI	31-12-82	
WELLS FARGO BANK INTERNATIONAL		197-T-05210	2-3-81	30-5-85	0105/17612/PI	30-9-82	
CITI BANK N.Y.		197-T-05214	19-6-81	15-9-85	0105/18075/PI	31-12-82	10783079
CITI BANK N.Y.		197-T-05214	19-6-81	15-9-85	0105/18076/PI	31-12-82	10783080
EXPAN EXPRESS BANK		197-T-05215	19-6-81	15-9-85	0105/18077/PI	31-12-82	10783081
WORLD AN EXPRESS BANK		197-T-05215	19-6-81	15-9-85	0105/18078/PI	31-12-82	10783082
CHASE NYNEX BANK		197-T-05225	21-10-81	15-9-85	0105/18906/PI	31-12-82	10783083
CITIBANK		197-T-05229	22-1-82	15-9-85	0105/19582/PI	31-1-85	
CITIBANK		197-T-052-050	25-1-82				
CITIBANK		197-T-05229	22-1-82	15-9-85	0105/19581/PI	31-1-85	

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SUMMARY OF CONTRACT FOR MAT

CONTRACT No	CONTRACTOR	DATE OF CONTRACT	EFFECTIVE DATE OF CONTRACT	FOR SUPPLY OF	CORRESP
Pj. 296/PST/81	P.T. Mataram Indah	12-9-81		Housewiring Devices-2 Rp. 84,217,500,-	DRA - 5 1
Pj. 297/PST/81	P.T. Elprima Agung Teknik	12-9-81		Housewiring Devices-3 Rp. 85,072,500,-	DRA - 5 2
Pj. 335/PST/81	New World Research Corp.	5-10-81		Protective Devices Rp. 155,182,500,-	
Pj. 367/PST/81	Hijason Industrial (Taiwan) Ltd.	13-10-81		Lamps Rp. 65,407,500,-	
Pj. 409/PST/81	New World Research Corp.	2-12-81		Misc. Materials \$ 338,936.00	CHEMICAL
Pj. 421/PST/81	General Electric Co.	10-12-81		Misc. Materials \$ - 490,389.15	CITIBANK
Pj. 006/PST/82	General Electric Co.	6-1-82		Housewiring Cable \$ 1,586,065.00	BANK OF
Pj. 015/PST/82	P.T. Intra Sapta/Titan Engineering	22-1-82		Residential Commercial Meters \$ 2,740,031.40	BANK OF
Pj. 001/PST/82	Hijason Industrial/ P.T. Sidohita Co.	5-1-82		Instrument Transformers & System Meters \$ 41,574.28	BANK OF
Pj. 281/PST/82	Atlantica International Corp. / P.T. Atlantica Wisesa	15-6-82	3-5-82	Grounding Connectors \$ 33,983.44	CITI BANK
Pj. 282/PST/82	Daewoo Corp.	15-6-82	3-5-82	Pole Bands & Roll \$ 138,317.65	BANK OF
Pj. 290/PST/82	McGraw Edison Co. / C.V. Dahana Kencana	21-6-82	3-5-82	Misc. Materials \$ 16,145.000	CITIBANK
Pj. 278/PST/82	Midland Metas Overseas/ Bencana Indonesia P.T.	15-6-82	3-5-82	Insulators \$ 521,372.000	CITIBANK
Pj. 266/PST/82	P.T. Elprima Agung	9-6-82	17-4-82	Protective Devices \$ 5,000.000	CITIBANK
Pj. 353/PST/82	P.T. Sidohita Co. Ltd.	20-7-82	17-4-82	Copper Conductor \$ 16,720.700	CITIBANK
				Cable Clips Rp. 91,185,000,-	DRA - 6
				Weatherheads Rp. 33,575,000,-	DRA - 6

Best Available Document

OF CONTRACT STATUS
R MATERIAL & EQUIPMENT

TABLE A-3

AS OF 10/1/85
SHEET 2 OF 3

CORRESPONDENT BANK	LETTER OF COMMITMENT		EXPIRE DATE	LETTER OF CREDIT		CORRESPONDENT BANK	DATE
	No	DATE		BANK INDONESIA No	EXPIRY DATE		
DRA - \$ 151,795.78	052-26	20-1-82					
DRA - \$ 478,345.08	052-27	20-1-82					
CHEMICAL BANK	497-T-05235	11-23-82	31-12-83	0103/19907/PL	31-3-85		
CITIBANK	497-T-05234	24-2-82	31-12-83	0103/20437/PL	31-3-85		
BANK OF AMERICA	497-T-05243	21-5-82	31-12-83	0103/20617/PL	31-12-83		
BANK OF AMERICA	497-T-05233	11-2-82	31-12-83	0103/19612/PL	31-12-82		
BANK OF AMERICA	497-T-05243	21-5-82	31-12-83	0103/20618/PL	30-6-83		
CITI BANK	497-T-05241	21-5-82	30-9-83	0103/20528/PL	31-12-82		
BANK OF AMERICA	497-T-05242	21-5-82	30-9-83	0103/20615/PL	30-4-83		
CITIBANK	497-T-05250	13-10-82	31-12-85	01.900/1369/PL	6-2-84		
CITIBANK	497-T-05251	13-10-82	31-12-83	01.900/1422/PL	31/12/85		
CITIBANK	497-T-05251	13-10-82	31-12-85	01.900/1369/PL	6/2/84		
CITIBANK	497-T-05251	13-10-82	31-10-85	01.900/1389/PL	31/12/85		
DRA - \$ 141,418.92	052-27 (Amend. 1)	19-9-82					
DRA - \$ 50,261.98	052-26 (Amend. 1)	26-10-82					

CONTRACT FOR MA

CONTRACT No	CONTRACTOR	DATE OF CONTRACT	EXECUTION DATE OF CONTRACT	FOR SUPPLY OF	CORRES
Pj. 354/PST/82	Hijason Industrial (Taiwan)	20-7-1982	17-4-1982	Roof Flashings \$ 119,000,00	
Pj. 351/PST/82	Berca Int'l Pte. Ltd.	20-7-1982	3-5-1982	Connectors \$ 21,410,70 Anchors & Rods 198,465,00 \$ 215,875,70	
Pj. 352/PST/82	Allis Electric Co./Elprima Agung	20-7-1982	3-5-1982	Conduit Wire Holder \$ 250,772,50	
Pj. 361/PST/82	Leader Metal Industries/Wijaya Karva.	27-7-1982	3-5-1982	Conductor Clamps \$ 45,005,00	
Pj. 406/PST/82	P.T. Sidohita Co.,Ltd./Elektrika Timber Impregnation	16-8-1982	3-5-1982	Crossarms & Braces Rp.105,295,000,	
Pj. 407/PST/82	Asian Insulator Co. Ltd./P.T. Sidohita Co. Ltd.	16-8-1982	3-5-1982	Spool Insulators \$ 111,079,50	
Pj. 414/PST/82	Walsin Lihwa Electric Wire & Cable Corp.	16-8-1982	3-5-1982	Service Drop Cable \$ 424,075,50	
Pj. 433/PST/82	Allis Electric Co./P.T.Elprima Agung	26-8-1982	13-5-1982	Distribution Hardware \$ 798,504,00	

Best Available Document

SUMMARY OF SHIP MATERIALS & EQUIP

CONTRACT No	CONTRACTOR	MATERIALS	INVOICE TOTAL	BILL OF LADING		C
				No	DATE	
Pj. 196/PST/80	Maison International	Communications Equipment	\$ 224,857.57	007	Jan. 23, 1981	Ma
		Maint. Shop Equipment	97,193.84	007	Jan. 23, 1981	Ma
Pj. 195/PST/80	New World Research Corp.	Grounding Mat'l - Partial	150,218.80	1	April 9, 1981	Aug
	" " " "	" " "	189,767.60	1	June 6, 1981	
	" " " "	Watt Hour Test Tables	142,450.00		June 5, 1981	Aug
	" " " "	Headquarters Test Equip.	50,392.00	2	June 8, 1981	Aug
	" " " "	" " "	4,980.00	1	April 9, 1981	Dec
	" " " "	Ground Rods	170,000.00		Sept. 9, 1981	Dec
Pj. 269/PST/80	ITT Export Corp.	Distribution Line Tools	198,171.76	1	July 10, 1981	Sept
Pj. 029/PST/81	Irby Construction Co.	Reclosers & Service DE	330,356.61	23	Aug. 22, 1981	Dec.
Pj. 198/PST/80	Hyundai Corp.	Ground Wire Fittings, Staples	327,804.00	PSM-1	July 22, 1981	Aug
Pj. 218/PST/80	Metrican Curtis	Trucks, Spare Parts	569,473.00	1	July 23, 1981	Dec.
Pj. 052/PST/80	Produtas Para Linhas	Conductor Specialties	144,831.00	1	Aug. 25, 1981	Oct.
Pj. 148/PST/81	Hyosung	Transformers	950,904.00	15 M.1	Nov. 28, 1981	Dec.
Pj. 030/PST/81	Copperweld	Guy Wire	390,112.70	1	Oct. 19, 1981	Feb.
Pj. 215/PST/80	Oha	Distribution Hand Tools	169,185.17	4	Sept. 9, 1981	Dec.
Pj. 223/PST/80	Oha	Compression Tools	79,493.63	2	Aug. 24, 1981	Dec.
Pj. 265/PST/80	Cable Handling & Stringing	Stringing Equipment	314,714.96	1	Nov. 14, 1981	Feb.
Pj. 029/PST/81	Irby Construction Co.	Pole Line Hardware	140,159.59	7	Nov. 25, 1981	Feb.
Pj. 296/PST/81	P.T. Mataram Indah	Housewiring Material	Rp. 33,687,000.-	Via Truck		
Pj. 297/PST/81	P.T. Elprima Agung	Housewiring Material	Rp. 48,906,000.-	Via Truck		
Pj. 297/PST/81	P.T. Elprima Agung	Housewiring Material	Rp. 34,029,000.-	Via Truck		
Pj. 148/PST/81	Hyosung Corp.	Transformers	\$ 489,530.00	ISM - 1	Dec. 28, 1981	Feb.
Pj. 195/PST/81	New World Research Corp.	Vehjcular Equipment	\$ 14,440.00	3	Mar. 11, 1981	June
Pj. 217/PST/81	P.T. Elprima Agung	Housewiring Material	Rp. 152,831,250.-	Via Truck		

7 OF SHIPPING
5 & EQUIPMENT

AS OF: November 30, 1982.
SHEET 1 OF 2

DING DATE	DATE OF ARRIVAL		REMARKS
	PGRT	WAREHOUSE	
m. 23, 1981	March 1981	April 1, 1981	Complete Shipment - Insurance Claim - Damaged Material Replaced
m. 23, 1981	March 1981	April 1, 1981	Complete Shipment - Insurance Claim - Damaged Material Replaced
iril 9, 1981	Aug. 14, 1981	Sept 16, 1981	Partial Shipment - Insurance Claim - Damaged Material Replaced
me 6, 1981		Sept 16, 1981	Partial Shipment - Insurance Claim - Damaged Material Replaced
me 5, 1981	Aug. 15, 1981	Sept 23, 1981	Complete
me 8, 1981	Aug. 18, 1981	Sept 16, 1981	Partial Shipment - Insurance Claim - Damaged Material Replaced
iril 9, 1981	Dec. 28, 1981	Mar. , 1982	Final shipment - Insurance Claim - Damaged Material Replaced
pt. 9, 1981	Dec. 12, 1981	Jan. 20, 1982	Final shipment - Insurance Claim - Damaged Material Replaced
dy 10, 1981	Sept 20, 1981	Sept 30, 1981	Complete Shipment - Insurance Claim - Damaged Material Replaced
g. 22, 1981	Dec. 14, 1981	Dec. 19, 1981	Partial Shipment
ly 22, 1981	Aug. 13, 1981	Sept 24, 1981	Complete Shipment - Insurance Claim - Damaged Material Replaced
dy 23, 1981	Dec. 2, 1981	Dec. 22, 1981	Complete Shipment - Insurance Claim
g. 25, 1981	Oct. 30, 1981	Dec. 5, 1981	Partial Shipment - Insurance Claim - Damaged Material Replaced
v. 28, 1981	Dec. 18, 1981	Jan. 12, 1982	Partial - Insurance Claim - Damaged Material Replaced
t. 19, 1981	Feb. 13, 1982	Feb. 16, 1982	Partial
pt. 9, 1981	Dec. 2, 1981	Dec 22, 1981	Complete - Insurance Claim
g. 24, 1981	Dec. 2, 1981	Dec 22, 1981	Complete - Insurance Claim
r. 14, 1981	Feb. 6, 1982	Feb. 10, 1982	Complete - Insurance Claim
v. 25, 1981	Feb. 9, 1982	Feb. 19, 1982	Partial
		Dec. 26, 1981	Partial
		Dec. 26, 1981	Partial
		Dec. 26, 1981	Partial
..28, 1981	Feb. 5, 1982	Feb. 10, 1982	Partial - Insurance Claim - Damaged Material Replaced
t.11, 1982	June , 1982	June , 1982	Partial - Insurance Claim - Damaged Material Replaced
		April 16, 1982	Partial

6

**SUMMARY OF :
MATERIALS & E**

CONTRACT No	CONTRACTOR	MATERIALS	INVOICE TOTAL	BILL OF LADING	
				No	DATE
Pj. 296/PST/81	P.T. Mataram Indah	Housewiring Material	Rp. 25,265,250,-	Via Truck	
Pj. 031/PST/81	McGraw Edison Co.	Protection Equipment	\$ 87,619.20	1	Apr. 19, 198
Pj. 422/PST/81	General Electric Co.	Residential/Commercial Meters	\$ 2,740,051.40	1	May 7, 198
Pj. 335/PST/81	New World Research Corp.	Housewiring Materials	\$ 269,265.00	4	May 8, 198
Pj. 195/PST/80	New World Research Corp.	Dodge Service Van	\$ 14,900.00	3	May 7, 198
Pj. 148/PST/81	Hvosung Corp.	Transformers	\$ 510,160.00	1: M - 1	May 14, 198
Pj. 296/PST/81	P.T. Mataram Indah	Housewiring Material	Rp. 25,265,250,-	Via Truck	
Pj. 297/PST/81	P.T. Elprima Agung	Housewiring Material	Rp. 69,896,250,-	Via Truck	
Pj. 032/PST/81	Produtas Para Linhas	Conductor Specialties	\$ 22,223.75		July 7, 198
Pj. 409/PST/81	New World Research Corp.	Copper Conductor	\$ 574,560.00	1	July 29, 198
Pj. 409/PST/81	New World Research Corp.	Insulated Wire	\$ 66,750.00	1	Aug. 11, 198
Pj. 409/PST/81	New World Research Corp.	Copper Conductor	\$ 941,775.00	1	Aug. 20, 198
Pj. 335/PST/81	New World Research Corp.	Housewiring Material	\$ 69,671.00	6	Aug. 17, 198
Pj. 006/PST/82	General Electric Co.	Meters, Transformers	\$ 41,511.58	5	Aug. 10, 198
Pj. 156/PST/81	Kalsin Lihwa	Alum. Tie Wire	\$ 24,261.50	KSM-1	Sept 16, 198
Pj. 170/PST/81	Kalsin Lihwa	Service Cable	\$ 351,500.00	KSM-2	Sept 16, 198
Pj. 030/PST/81	Copperweld Industries	Alumoweld, Gray Strand	\$ 109,076.86	171007	Sept. 7, 198
Pj. 354/PST/81	Hijason Industrial (Taiwan)	Steel Pipe	\$ 399,071.25	CG-18	Oct. 15, 198
Pj. 195/PST/80	New World Research Corp.	Hydraulic Crane	\$ 96,800.00	8	Oct. 5, 198
Pj. 170/PST/81	Kalsin Lihwa	Service Cable	\$ 355,975.00	KSM-07	Nov. 8, 198

NAVY OF SAUDI ARABIA
 MATERIALS & EQUIPMENT

Form No. A-4

AS OF: November 20, 1982

SHEET 1 OF 1

LOADING DATE	DATE OF ARRIVAL PORT WAREHOUSE		REMARKS
		May 19, 1982	Partial
Apr. 19, 1982	Apr. 8, 1982	Aug. 50, 1982	Complete Shipment
May 7, 1982	July 29, 1982	Aug. 50, 1982	Complete Shipment
May 1, 1982	Aug. 8, 1982	Aug. 50, 1982	Partial
May 7, 1982	Aug. 8, 1982	Aug. 50, 1982	Partial
May 14, 1982	June 11, 1982	July 5, 1982	Final Shipment
		June 16, 1982	Final Shipment
		June 16, 1982	Final Shipment
July 7, 1982	Sept. 2, 1982		Final Shipment Covering Amend. No. 1 Quantities
July 29, 1982	Oct. 1, 1982		Partial Shipment
Aug. 14, 1982			Partial Shipment
Aug. 20, 1982			Final Shipment, Except Amend. No. 1
Aug. 17, 1982			Final Shipment
Aug. 10, 1982			Complete, except Amend. No. 1
Sept 16, 1982			Complete, except Amend. No. 1
Sept 16, 1982			Partial Shipment
Sept. 7, 1982			Final Shipment
Oct. 13, 1982			Partial Shipment
Oct. 5, 1982			Final Shipment
Nov. 8, 1982			Partial Shipment

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