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Folder Title: Matucana Power Project - Peru - Loan 0511 - P007951 - 1969 / 1971
Administration - Volume 2

Folder ID: 1711043

Project ID: P007951

Dates: 2/3/1970 – 2/22/1971

Fonds: Records of the Latin America and Caribbean Regional Vice Presidency

ISAD Reference Code: WB IBRD/IDA LAC

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THE WORLD BANK
Washington, D.C.

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The World Bank
1818 H Street NW
Washington DC 20433
Telephone: 202-473-1000
Internet: www.worldbank.org

PUBLIC DISCLOSURE AUTHORIZED



1711043

A1995-070 Other #: 115 Box #169887B

Matucana Power Project - Peru - Loan 0511 - P007951 - 1969 / 1971
Administration - Volume 2

RETURN TO
RECORDS CENTER ROOM HB-1
1969-71 MATERIAL
BOX NO. 114-11

DECLASSIFIED
WBG Archives

THIS FILE IS CLOSED AS OF

Feb. 28 / 71

FOR FURTHER CORRESPONDENCE PLEASE SEE

Peru Loan 511 Admin.

Vol. III

RECORDS MANAGEMENT SECTION

511 PE
2

February 22, 1971

Your Ref. 115137

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Re: Loan 511-PE
Matucana Project
40,000 Single Phase Meters

Dear Sirs:

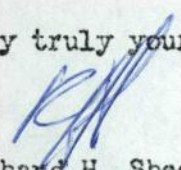
We acknowledge with thanks receipt of your letter of February 11, 1971 with which you sent us your report containing the bid analysis and the recommendation for the award of the contract for the above mentioned meters.

Please be advised that we have no objection to the award of this contract, as proposed by you on the basis of the lowest evaluated bid, to:

Compania de Contadores, Spain for 40,000 single phase watthourmeters
225 V 5A for a total price FOB Barcelona of Ptas12,691,000 (US\$equivalent181,500).

We wish to draw your attention to the fact that in the above mentioned report it is erroneously stated that these prices are those CIF Calleo.

Very truly yours,


Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

MLorie:mrl
IBRD

cc: Messrs. Sear o/r
Prudence (with inc doc)
Central and Dept. Files

Control No. PE-1-12

91

511 PE
C

February 22, 1971

Your Ref. 115016

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Re: Loan 511-PE
Matucana Project
10 kV Circuit Breakers

Dear Sirs:

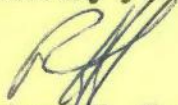
We acknowledge with thanks receipt of your letter of February 11, 1971 with which you sent us the analysis of bids and recommendation for the award of the contract for the above mentioned equipment.

Please be advised that we have no objection to the award of this contract, as proposed by you on the basis of the lowest evaluated bid, to:

SACE Construzioni Elettromeccaniche, Italy for:

10 circuit breakers, 10 kV 1,600 amp. 500 MVA with accessories at a total C&F price of	Lit 11,287,371
100 circuit breakers, 10 kV 800 amp. 500 MVA with accessories at a total C&F price of	Lit 78,096,490
100 circuit breakers, 10 kV 800 amp. 500 MVA with accessories and 50 coils 120 V at a total C&F price of	<u>Lit 73,305,990</u>
Grand Total C&F price	<u>Lit 162,689,851</u>

Sincerely yours,


Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

MLorie:mrl

cc: Messrs. Sear o/r
Prudence (with inc doc)
Central and Dept. Files
Control No. PE-1-11

OUTGOING WIRE

TO: ASOCIADAS
LIGHT 3540057
LIMA

DATE: February 12, 1971

CLASS OF
SERVICE: IBF GOVT.

COUNTRY: (PERU)

TEXT:
Cable No.: ARRIVING LIMA FEBRUARY 14 BY PANAM FLIGHT 083 AT 2135 HOURS STOP
HAVE REQUESTED BOOKING HOTEL GRILLON

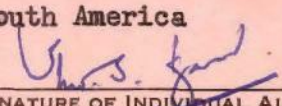
KAPUR
INTBAFRAD

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME Shiv S. Kapur

DEPT. South America

SIGNATURE 
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

REFERENCE PERU: Operational mission

SSKapur:ean

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

CLEARANCES AND COPY DISTRIBUTION:

For Use By Communications Section

Checked for Dispatch:

INTERNATIONAL DEVELOPMENT
ASSOCIATION

INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL FINANCE
CORPORATION

OUTGOING WIRE

TO:

ASSOCIADOS
LIGHT 350057
LIMA

DATE February 12, 1971

COUNTRY:

(PERU)

TEXT:
Cable No.:

ARRIVING LIMA FEBRUARY 14 BY PANAM FLIGHT 083 AT 2135 HOURS STOP

HAVE REQUESTED BOOKING HOTEL GRILLON

KAPUR
INTERRAD

CLASS OF
SERVICE IIR GOVT.

NOT TO BE TRANSMITTED

AUTHORIZED BY:

Shiv S. Kapur

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South America

DEPT.

SIGNATURE

(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

PERU: Operational mission

REFERENCE

ORIGINAL (File Copy)

SSKapur:eam

(IMPORTANT: See Secretariat Guide for preparing form)

COMMUNICATIONS
FEB 12 7 13 PM 1971

CLEARANCE AND COPY DISTRIBUTION

For Use By Communications Section

Checked for Dispatch

INCOMING CABLE

DATE AND TIME
OF CABLE:

FEBRUARY 12, 1971

LOG NO.: **ITT TELEX / 12**

TO: **INTBAFRAD**

FROM: **LIMA**

ROUTING

ACTION COPY: **MR. ZINMAN**

INFORMATION COPY: **MR. ALTER**

DECODED BY:

TEXT:

FOR SOUTH AMERICAN DEPARTMENT

**WE WOULD MUCH APPRECIATE YOUR INFORMING US FLIGHT NUMBER AND TIME OF
MR. KAPUR'S ARRIVAL IN LIMA ON SUNDAY, FEBRUARY 14. ACCOMMODATION AT
HOTEL BOLIVAR HAS BEEN RESERVED. REGARDS.**

ASOCIADAS

LIGHT 3540057

jao

INCOMING CABLE

ROUTING	
ACTION COPY	NO. 111111
INFORMATION COPY	NO. 111111
DELETED BY	

FROM	111111
TO	111111
LOC NO.	111111
DATE AND TIME OF CABLE	111111

TEXT

FOR SOUTH AMERICAN DEPARTMENT
WE WOULD MUCH APPRECIATE YOUR INFORMATION RE FLIGHT NUMBER AND TIME OF
MR. LARSEN'S ARRIVAL IN LIMA ON 11/11/71, PREVIOUSLY 11. ACCOMMODATION AT
HOTEL BOLIVAR HAS BEEN ARRANGED. RESPECTS.

ROUTING
LIGHT 111111

TYPED
FEB 12 12 04 PM 1971
COMMUNICATIONS

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año del Sesquicentenario de la Independencia Nacional"

EMPRESAS ELECTRICAS ASOCIADAS

115137

Lima, February 11, 1971

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Loan 511 PE
Matucana Project

Gentlemen:

We refer to your letter of December 1, 1970, and are
enclosing herewith for your information and approval our Report
and Recommendation for Award of Contract regarding

40,000 SINGLE PHASE METERS

for the above mentioned project.

Please also find enclosed:

- attached* {
- * Newspaper advertisements
 - Public Notary certificate
 - * copy of our letter sent to the local official representa-
tives of the foreign countries (Embassies)
 - * copy of our letter sent to the local representatives sho-
wing exchange rates for comparison of offers.

Awaiting your conformity, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ENRIQUE BROU
GERENTE

RICARDO TIRADO
GERENTE

Enclosures

mts

LIMA
LIGHT
AND
POWER
COMPANY
CONDE DE SURERUNDA
(VERACRUZ) 201
LIMA - PERU
TELEFONO 274200
CASILLA 1281
CABLES: ASOCIADAS
TELEX: LIGHT 384087

"Año del Sesquicentenario de la Independencia Nacional"

EMPRESAS ELECTRICAS ASOCIADAS

115137

Lima, February 11, 1971

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

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Matucana Project

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tives of the foreign countries (Embassies)
- copy of our letter sent to the local representatives and
wing exchange rates for comparison of offers.

Awaiting your conformity, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ENRIQUE BROU
GERENTE
1971 FEB 18 PM 3:58
RICARDO ZARADO
GERENTE

Enclosures

1/1



SERIE T N° 69620809



Manuel Reátegui M.
Notario Público
LIMA-PERU

ACTA DE LICITACION INTERNACIONAL

PARA EL SUMINISTRO DE 40,000 MEDIDORES ELECTRICOS MONOFA- SICOS 225 V. 5A

En Lima, Perú, siendo las once antes del meridiano del día dieciocho de diciembre de mil novecientos setenta, en las oficinas de las Empresas Eléctricas Asociadas, se reunió el Comité de Licitaciones de las referidas Empresas, integrado por el ingeniero Leopoldo De Luca, señores Werner Schneidewind y Juan Crippa é ingeniero David Lay, con intervención del Notario Público de ésta Capital, doctor Manuel Reátegui Molinares, con el objeto de recibir las ofertas correspondientes a la Licitación Internacional, para suministrar: 40,000 medidores eléctricos monofásicos 225 V, 5A. - - - - -

Vencido el plazo de tolerancia legal, el señor Ingeniero Leopoldo De Luca, Presidente del Comité, declaró abierta la Licitación, invitando a los señores representantes de las firmas proponentes para que entreguen a la mesa sus propuestas. - Las Cotizaciones recibidas son las siguientes: - - - - -

1. - Fabricante: Compañía de Contadores, España. - (Representante: J. Maury Representaciones Industriales). - Precios por unidad: Fob. Barcelona US \$ 4.63, C&F Callao, US \$ 5.02 - Descuento del 2% en caso de pedido de las 40,000 unidades. -

2. - Fabricante: Danubia A.G., Austria. - (Representante: J. Maury Representaciones Industriales). - Precios por unidad: Fob. Chelines austriacos 136,67; C&F Chelines austriacos 154.10 - Formula de reajuste para después del vencimiento de la validez de la oferta. Descuento 2.5% por pedido del total del lote. - - - - -

//////// 3. - Fabricante: Osaki Electric Co. Ltd. Japón. - (Representante: Okura Trading Co., Ltd.). - Precio total: Fob. Yokohama, Yens Japoneses 76'000,000; flete hasta Callao, Yens Japoneses 4'500,000.- - - - -

4. - Fabricante: Instrumenti di Misura CGS, Italia. - (Representante: Elecsa S.A.). - Precio unitario FOB US \$ 7.00; gastos hasta C&F Callao: 6.5%. - - - - -

5. - Fabricante: UHER - Austria (Por correo). - Precios unitarios: Fob. chelines austriacos 183.50; CIF chelines austriacos 204.20.- - - - -

6. - Fabricante: SACET-SIME, Italia.- (Representantes: Peruvian Trading Co.) - Precios unitarios: Fob. puerto italia- no US \$ 5.38; C&F Callao US \$ 5.98 - Para conversión en Liras: 1 US\$ igual Lir.622.- - - - -

7. - Fabricante: Romanillos Industrias Eléctricas S.A., España - (Representante: Deltron S.A.) - Precios unitarios: FOB puerto español, pesetas 481.-; C&F Callao, pesetas 528.- Presentó alternativa por aparatos con tapa de cristal.- - - -

8. - Fabricante: Kovo, Checoslovaquia. - (Representante: A. Marcus & Cia. S. R. Ltda.) - Precio total: US \$ 226,000 - C&F Callao: US \$ 260,000. - - - - -

9. - Fabricante: Canadian General Electric Co. Ltd., Canadá (por correo). - Precios unitarios: FAS puerto canadiense Can. \$ 9.90; C&F Callao, Can \$ 10.37. Presentó alternativa por aparatos con suspensión magnética.- - - - -

10. - Fabricante: General Electric S.A., - Brasil. - (Representante: Tecnocom S.A.) - Precios unitarios: FOB Fábrica US \$ 6.46; C&F Callao, US \$ 6.63. Por orden de 20,000 uni-///



////// dades o más: descuento 4%. - - - - -

11. - Fabricante: Landis & Gyr Española S.A., España.-
(Representante: Matisa S.A.) - Precios unitarios: FOB puerto europeo Fr. S. 26.80; gastos de flete Fr.S. 2.20 En caso de pedido total, descuento del 12.4% sobre valor FOB. - - - - -

12. - Fabricante: Fuji Electric Co., Ltd., Japón. -
(Representante: Siemens Peruana S.A.) - Precio total: Fob. Us \$ 180.000 - Cif US \$ 192.000. - Presenta una alternativa por monto más elevado. - - - - -

Todas las propuestas presentadas fueron rubricadas por los señores miembros del Comité de Licitaciones y por el Notario interviniente, procediéndose a extender la presente acta, la misma que sin observación alguna, fué debidamente suscrita.-
El señor Ingeniero Leopoldo De Luca, a nombre de las Empresas Eléctricas Asociadas, agradeció a los señores representantes de las firmas proponentes, su concurrencia a la presente Licitación, dando así por finalizado el acto de Recepción de las Propuestas; de todo lo que doy fé.-

rts.-

Manuel Reategui M.
Manuel Reategui M,
Notario Público
LIMA-PERU

Leopoldo De Luca
Manuel Reategui M.
Gerardo C...
...

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1364
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"
EMPRESAS ELECTRICAS ASOCIADAS

110466

Lima, 1° de octubre de 1970

Señores
Embajadas:
Presente

Alemania, Australia, Austria, Bélgica, Canadá, Dinamarca,
EE.UU., Francia, Finlandia, Holanda, Italia, Japón, España
Méjico, Noruega, Suecia, Suiza, Gran Bretaña.

Muy señores nuestros:

Ref.: Proyecto Matucana

Por la presente nos es grato comunicarles que en los próximos días se llamará a Licitación Internacional, de acuerdo a las especificaciones que enviamos anexas, para el suministro de:


40,000 Medidores monofásicos

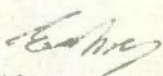
La compra de estos medidores será financiada por el Banco Mundial con cargo a nuestro Préstamo 511-PE.

En el caso de que alguna firma de su país estuviera interesada en presentar una oferta, les rogamos indicarle se dirija a nuestro Servicio de Compras, oficina 306, quien le podrá proporcionar las correspondientes especificaciones, contra pago de S/. 500.- por ejemplar, hasta el 12.10.70.

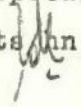
Anticipamos nuestras debidas gracias por la atención que se sirvan dispensar a la presente y aprovechamos la oportunidad para enviarles nuestros saludos distinguidos.

EMPRESAS ELECTRICAS ASOCIADAS


JOSE CROCI
GERENTE


ENRIQUE SROU
GERENTE ADMINISTRATIVO

Incl:
especificaciones

wtg:nn


9

**LIMA
LIGHT
AND
POWER
COMPANY**

220002 DE SUPERUNDA
CALLE 1004
LIMA - PERU
TELEFONO 272200
CALLE 1004
CARLOS ASOCIADOS
TELEFONO LIMA 272200

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

112530

Lima, Noviembre 25 de 1970

Señores

Presente

Ref: Licitaciones:

1. Cables subterráneos 60 kV	Apertura: 16.12.70
2. Medidores monofásicos	" 18.12.70
3. Interruptores 10 kV	" 22.12.70
4. Interruptores aire comprimido 60 kV	" 30.12.70

Muy señores nuestros:

Hacemos referencia a las bases de las licitaciones del rubro, las mismas que oportunamente recabaron Uds. para presentar una oferta de sus Representados, y nos cumple llevar a su conocimiento que para los fines de comparación de las propuestas se tomarán las siguientes cotizaciones de monedas extranjeras, de acuerdo al tipo oficial del Banco Central de Reserva del Perú:

US\$-Dollar	\$ 38,70
Marcos alemanes	10,6541
Nvo. Peso Argentino	8,9212
Franco belga	0,7796
Cruzeiro del Brasil	7,1369
Dollar del Canadá	37,9414
Corona danesa	5,9487
Franco francés	7,0046
Florín de Holanda	10,7556
Rupia de la India	5,1664
Libra esterlina	92,4233
Lira italiana	0,0621
Yen del Japón	0,1081
Peso mexicano	3,0332
Corona sueca	7,4700
Franco suizo	8,9270
Peseta española	0,5534
Chelín de Austria	1,5093

De Uds. muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS

JOSE CROCI
GERENTE

ENRIQUE
GERENTE ADMINISTRATIVO

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL MEDIDORES ELECTRICOS MONOFASICOS

Se invita a todos los interesados a presentar ofertas para el suministro de medidores eléctricos monofásicos, con las siguientes características principales:

Tensión nominal : 220 V.
Corriente nominal: 5A (20A)
Frecuencia : 60 C.
Cantidad : 40,000 unidades

Las especificaciones podrán ser obtenidas hasta el día 12 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 500.00 por ejemplar. Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Viernes 18 de Diciembre de 1970, a las 11 a.m.; fecha y hora en que serán abiertas y leídas públicamente, en presencia de Notario, todas las cotizaciones recibidas; quedando anuladas las que llegaren posteriormente. La adquisición de los medidores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

Lima, 5 de Octubre de 1970.

"EL COMERCIO"

GUIA PROFESIONAL

MEDICINA

Enfermedades del corazón - Presión Arterial - Dolor de Pecho - bidos de Oído - Adormecimientos

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL MEDIDORES ELECTRICOS MONOFASICOS

Se invita a todos los interesados a presentar ofertas para el suministro de medidores eléctricos monofásicos, con las siguientes características principales:

TENSION NOMINAL : 220 V.
CORRIENTE NOMINAL : 5A (20A)
FRECUENCIA : 60 C.
CANTIDAD : 40,000 unidades

Las especificaciones podrán ser obtenidas hasta el día 12 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 500.00 por ejemplar.

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La adquisición de los medidores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

Lima, 5 de Octubre de 1970.

"LA PRENSA"

La Prensa 5/10/70

El Peruano 5/10/70

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL MEDIDORES ELECTRICOS MONOFASICOS

Se invita a todos los interesados a presentar ofertas para el suministro de medidores eléctricos monofásicos, con las siguientes características principales:

Tensión nominal : 220 V.
Corriente nominal : 5A (20A)
Frecuencia : 60 C.
Cantidad : 40,000 unidades

Las especificaciones podrán ser obtenidas hasta el día 12 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 500.00 por ejemplar.

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La adquisición de los medidores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

Lima, 5 de Octubre de 1970.

DA.— 23658.— S/. 990.00 — Iv. — 5 Octubre.

"EL PERUANO"

y citar nuevamente a esta Junta para determinar la actitud política de la democracia cristiana en la situación planteada.

Av. Bolivia 663 - Breña - Teléfono 241387
y Natalio Sánchez 175 - Cdra. Av.
(Equipa).

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL MEDIDORES ELECTRICOS MONOFASICOS

Se invita a todos los interesados a presentar ofertas para el suministro de medidores eléctricos monofásicos, con las siguientes características principales:

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Corriente nominal : 5A (20A)
Frecuencia : 60 C.
Cantidad : 40,000 unidades

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Lima, 5 de Octubre de 1970.

"EXPRESO"

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año del Sesquicentenario de la Independencia Nacional"

EMPRESAS ELECTRICAS ASOCIADAS

115016

Lima, February 11, 1971

Date Rec'd. Feb 19/71

Date Ack'd. Feb 23/71

Assigned to Heather
McLoughlin
Anderson
PE-1-11

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Loan 511 PE
Matucana Project

Dear Sirs:

We refer to your letter of December 1, 1970, and are enclosing herewith for your information and approval our Report and Recommendation for Award of Contract regarding

10 kV CIRCUIT BREAKERS

for the above mentioned project.

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 - Public Notary certificate
 - copy of our letter sent to the local official representatives of the foreign countries (Embassies)
 - copy of our letter sent to the local representatives showing exchange rates for comparison of offers.

Awaiting your conformity, we remain

Very truly yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

Enrique
ENRIQUE BROU
GERENTE ADMINISTRATIVO

Alfredo
ALFREDO GHIBELLINI
GERENTE

SECTION
COMMUNICATIONS
1831 FEB 18 PM 3:21

A.
JB
Enclosures

wtg

RECEIVED

9

EMPRESAS ELECTRICAS ASOCIADAS

LIMA
LIGHT
AND
POWER
COMPANY
CONDE DE SUPERUNDA
(VERACRUZ) 201
LIMA - PERU
TELEFONO 270200
CASILLA 1284
CABLES ASOCIADAS
TELEX: LIGHT 3540087

115016

Lima, February 11, 1971

Date Rec'd. Feb 22/71
Date Ack'd. Feb 22/71
Assigned to
J. P. G. 11

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Loan 511 PB
Matucana Project

Dear Sirs:

We refer to your letter of December 1, 1970, and are enclosing herewith for your information and approval our Report and Recommendation for Award of Contract regarding

10 KV CIRCUIT BREAKERS

for the above mentioned project.

Please also find enclosed:-

- Newspaper advertisements
- Public Notary certificates
- copy of our letter sent to the local official representatives of the foreign countries (Embassies)
- copy of our letter sent to the local representatives showing exchange rates for comparison of offers.

Awaiting your conformity, we remain

Very truly yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ALFREDO CHIBELINI
GERENTE

ENRIQUE BROU
GERENTE ADMINISTRATIVO

COMMUNICATIONS
SECTION

1971 FEB 18 PM 3:57

RECEIVED

Enclosures

Wfe

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL INTERRUPTORES 10 kV.

Se invita a todos los interesados a presentar ofertas para el suministro de interruptores tripolares, con las siguientes características principales:

— Tipo	:	Interruptores tripolares de mínimo volumen de aceite.
— Tensión nominal	:	10 kV.
— Corriente nominal	:	1600 — 400 Amp. (Mínimo)
— Potencia de ruptura	:	500 — 400 MVA (Mínimo)
— Frecuencia nominal	:	60 Hz.
— Cantidad	:	210 unidades

Las especificaciones podrán ser obtenidas hasta el día 15 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 500.00 por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Martes 22 de Diciembre, a las 10 a.m.: fecha y hora en que serán abiertas y leídas públicamente en presencia de Notario, todas las cotizaciones recibidas; quedando anuladas las que llegaren posteriormente.

La adquisición de los interruptores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

N° 28X123.

Lima, 1º de Octubre de 1970.

"EL COMERCIO"

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL INTERRUPTORES 10 kV

Se invita a todos los interesados a presentar ofertas para el suministro de interruptores tripolares, con las siguientes características principales:

— Tipo	:	Interruptores tripolares de mínimo volumen de aceite.
— Tensión nominal	:	10 kV.
— Corriente nominal	:	1600 - 400 Amp. (Mínimo)
— Potencia de ruptura	:	500 - 400 MVA (Mínimo)
— Frecuencia nominal	:	60 Hz.
— Cantidad	:	210 unidades.

Las especificaciones podrán ser obtenidas hasta el día 15 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 500.00 por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Martes 22 de Diciembre, a las 10 a.m.: fecha y hora en que serán abiertas y leídas públicamente en presencia de Notario, todas las cotizaciones recibidas; quedando anuladas las que llegaren posteriormente.

La adquisición de los interruptores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

Lima, 8 de Octubre de 1970.

"LA PRENSA"

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL INTERRUPTORES 10 KV.

Se invita a todos los interesados a presentar ofertas para el suministro de interruptores tripolares, con las siguientes características principales:

- Tipo : Interruptores tripolares de mínimo volumen de aceite
- Tensión nominal : 10 Kv.
- Corriente nominal : 1600 - 400 Amp. (Mínimo)
- Potencia de ruptura : 500 - 400 MVA (Mínimo)
- Frecuencia nominal : 60 Hz.
- Cantidad : 210 unidades

Las especificaciones podrán ser obtenidas hasta el día 15 de Octubre próximo en el Servicio de Compra, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 500.00 por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día martes 22 de diciembre, a las 10 a.m.: fecha y hora en que serán abiertas y leídas públicamente en presencia de Notario, todas las cotizaciones recibidas; quedando anuladas las que llegaren posteriormente.

La adquisición de los interruptores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

Lima, 8 de Octubre de 1970.

"EL EXPRESO"

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL INTERRUPTORES 10 KV.

Se invita a todos los interesados a presentar ofertas para el suministro de interruptores tripolares, con las siguientes características principales:

- Tipo : Interruptores tripolares de mínimo volumen de aceite
- Tensión nominal : 10 KV.
- Corriente nominal : 1600 - 400 Amp. (Mínimo)
- Potencia de ruptura : 500 - 400 MVA (Mínimo)
- Frecuencia nominal : 60 Hz.
- Cantidad : 210 unidades

Las especificaciones podrán ser obtenidas hasta el día 15 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 500.00 por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Martes 22 de Diciembre, a las 10 a.m.: fecha y hora en que serán abiertas y leídas públicamente en presencia de Notario, todas las cotizaciones recibidas; quedando anuladas las que llegaren posteriormente.

La adquisición de los interruptores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

Lima, 8 de Octubre de 1970.

DA- 23682.- S/, 500.00-1v. — 8 Octubre.

"EL PERUANO"



SERIE
T N° 69931789



Manuel Reátegui M.
Notario Público
LIMA-PERU

ACTA DE LICITACION INTERNACIONAL

PARA EL SUMINISTRO DE 210 INTERRUPTORES TRIPOLARES DE MINIMO VOLUMEN DE ACEITE, TENSION NOMINAL 10 KV.-

En Lima, Perú, siendo las diez antes del meridiano del día veintidos de diciembre de mil novecientos setenta, en las oficinas de las Empresas Eléctricas Asociadas, se reunió el Comité de Licitaciones de las referidas Empresas, integrado por los señores ingenieros Leopoldo De Luca y Marcel Marchand y señor Werner Schneidewind, con intervención del Notario Público de ésta Capital, doctor Manuel Reátegui Molinares, con el objeto de recibir las ofertas correspondientes a la Licitación Internacional, para suministrar: ITEM 1) 10 Interruptores, mínimo para 1600 A y 500 MVA, operación a motor. - ITEM 2) 100 Interruptores, mínimo para 400 A y 400 MVA, operación a motor. - ITEM 3) 100 Interruptores, mínimo para 400 A y 400 MVA, operación manual. - - - - -

Vencido el plazo de tolerancia legal, el señor Ingeniero Leopoldo De Luca, Presidente del Comité, declaró abierta la Licitación, invitando a los señores representantes de las firmas proponentes para que entreguen a la mesa sus propuestas. - Las Cotizaciones recibidas son las siguientes: - - - - -

1. - Fabricante: L'Electricité Industrielle Belge S.A., Bélgica. - Representante: Dame & Viovar. - Ofertas en francos belgas, por items completos: Item 1) Fob. 2'030,000.-, C&F - 2'168,500.-; Item 2) Fob. 9'180,000.- C&F 9'775,000.-; Item 3) Fob. 8'710,000.-; C&F 9'335,000.- Descuento ofrecido: 5% de los precios Fob., por pedido total. - - - - -

2. - Fabricante: L'Electricité Industrielle Belge S.A.,

Bélgica. - Representante: Tecnocom S.A.. - Precios en francos belgas, por items completos: Item 1) Fob. 2'149,610.- C&F - 2'287,610.-; Item 2) Fob. 9'718,000.-, C&F 10'283,000.-; Item 3) Fob. 9'163,500.-, C&F 9'773,500.-. Descuento ofrecido: 5% del Fob., por pedido total. - - - - -

3. - Fabricante: L'Electricité Industrielle Belge S.A., Bélgica. - Representante: Coperimpres. - Precio en francos belgas, por items completos: Item 1) Fob. 2'174,000.-, C&F 2'315,000.-; Item 2) Fob. 9'830,000.-; C&F 10'450,000.-; Item 3) Fob. 9'310,700.-, C&F 9'960,000. - Ofrece descuento del 5% sobre precios Fob. por pedido total. - - - - -

4. - Fabricante: Fuji Electric Co., Ltd., Japón. - Representante: Siemens Peruana S.A. - Precios en US \$, por items completos: Item 1) Fob. 20,350.- C&F 21,160.-; Item 2) Fob. - 179,600.-, C&F 187,700.-; Item 3) 179,600.-, C&F 187,700.- Ofrece dos alternativas: Una de monto más elevado, otra de monto más bajo. - - - - -

5. - Fabricante: SAGE, Costruzioni Elettromeccaniche, Italia. - Representante: Elecsa S.A. - Precio en liras italianas, por items completos: Item 1) Fob. 9'680,850.-, C&F - 10'552,100.-; Item 2) Fob. 68'310,500.-, C&F 74'458,500.- Item 3) Fob. 63'520,000, C&F 69'236,800. Por 50 bobinas: Fob. 395,600, C&F 431,200. - - - - -

6. - Fabricante: Brown Boveri & Cia., Suiza. - Representante: Brown Boveri del Perú S.A. - Precios en francos suizos por items completos: Item 1) Fob. 127,000, C&F 132,000.-, Item 2) Fob. 524,000.-, C&F 556,000.-; Item 3) Fob. 491,000.-, C&F 523,000.- Por 50 bobinas: Fob. 600.- C&F-750. - - - - -



SERIE T N° 69931790

-2-



Manuel Reátegui M.
Notario Público
LIMA-PERU

7. - Fabricante: Merlin Gerin, Francia. - Representante: Panindustria. - Precios unitarios en francos franceses: Fob. Item 1) 7,780; Item 2) 5,560; Item 3) 5,150. Flete marítimo: 12% de los precios Fob. En los precios no están incluidos los carritos. - - - - -

8. - Fabricante: Magrini, Italia. - Representante: Sareco. - Precio en US \$ por items completos: Item 1) no cotizan; Item 2) Fob. 127,000-, C&F 138,000-; Item 3) Fob. 120,000- C&F 131,000- Descuento ofrecido: 3% de los pprecios Fob. cotizados; en caso de pedido total: 2% adicional. - - - - -

9. - Fabricante: ASEA, Suecia.- Representante: Cia. Asea del Perú S.A.- Precio en US \$ por items completos: Item 1) Fob. 18,400-, C&F 19,300; Item 2) Fob. 112,500-, C&F 121,500-; Item 3) Fob. 101,500-, C&F 108,000. En caso de pedir Item 2 + Item 3, 6 de pedido total, descuento 5%. En caso de pedido total y de las 100 unidades opcionales: descuento 6% del valor Fob. Presenta oferta alternativa. - En los precios cotizados no se ha considerado el valor de los carritos. - - - - -

10. - Fabricante: Vanossi S.p.A., Italia.- Representante: Sareco. - Precio en US \$ por items completos: Item 1) no cotiza; Item 2) Fob. 92,500, C&F 101,000-; accesorios para el item 2), Fob. 48,000, C&F 52,800.-; Item 3) Fob. 77,000.-, C&F. 85,500-; accesorios para el item 3) Fob. 48,000, C&F 52,800. Per 50 bobinas: Fob. 750 C&F 800.- - - - -

11. - Fabricante: Laur Knudsen NES, Daneses. - Representantes: Peruvian Trading Co. - Precios en Coronas Danesas, por items completos: Item 1) Fob. 321,050.--, C&F 336,650.-; Item 2) Fob. 1'401,500- C&F 1'557,500.-; Item 3) Fob. 1'298,000.-,

C&F 1'454,000. Por 50 bobinas: Pob. 2,750.-, C&F 2,800.- Des-
cuento 5%, en caso de pedido total. Presenta también oferta
alternativa.- - - - -

Todas las propuestas presentadas fueron rubricadas por
los señores miembros del Comité de Licitaciones y por el Nota-
rio interviniente, procediéndose a extender la presente acta,
la misma que sin observación alguna, fué debidamente suscri-
ta. - El señor Ingeniero Leopoldo De Luca, a nombre de las Em-
presas Eléctricas Asociadas, agradeció a los señores represen-
tantes de las firmas proponentes, su concurrencia a la presen-
te Licitación, dando así por finalizado el acto de Recepción
de las Propuestas; de todo lo que doy fé.-

rts.-

uuu uu uu
Manuel Reategui M.
Notario Público
LIMA-PERU

Leopoldo De Luca

M. Marchand

Fernando de la Cruz

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3840097

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

110652

Lima, 7 de octubre de 1970

Señores Alemania-Austria-Australia-Bélgica-Canadá-Dinamarca,España-
Estados Unidos-Finlandia-Francia-Holanda-Inglaterra-Italia-
Japón-México-Noruega-Suecia-Suiza-India

Presente

Muy señores nuestros:

Ref.: Proyecto Matucana

Por la presente nos es grato comunicarles que en los próximos días se llamará a Licitación Internacional, de acuerdo a las especificaciones que enviamos anexas, para el suministro de:

210 Interruptores 10 kV


La compra de estos medidores será financiada por el Banco Mundial con cargo a nuestro Préstamo 511-PE.

En el caso de que alguna firma de su país estuviera interesada en presentar una oferta, les rogamos indicarle se dirija a nuestro Servicio de Compras, oficina 306, quien le podrá proporcionar las correspondientes especificaciones, contra pago de \$/ 500.- por ejemplar, hasta el 15.10.70.

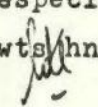
Anticipamos nuestras debidas gracias por la atención que se sirvan dispensar a la presente y aprovechamos la oportunidad para enviarles nuestros saludos distinguidos.

EMPRESAS ELECTRICAS ASOCIADAS


JOSE CROCI
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO

Incl:
especificaciones

wtshn


EMPRESAS ELECTRICAS ASOCIADAS

112530

Lima, Noviembre 25 de 1970

Señores

Presente

Ref: Licitaciones:

1. Cables subterráneos 60 kV	Apertura: 16.12.70
2. Medidores monofásicos	" 18.12.70
3. Interruptores 10 kV	" 22.12.70
4. Interruptores aire comprimido 60 kV	" 30.12.70

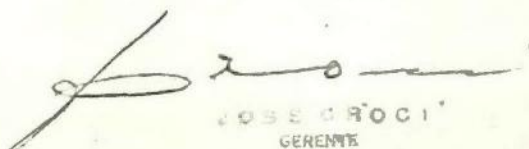
Muy señores nuestros:

Hacemos referencia a las bases de las Licitaciones del rubro, las mismas que oportunamente recabaron Uds. para presentar una oferta de sus Representados, y nos cumple llevar a su conocimiento que para los fines de comparación de las propuestas se tomarán las siguientes cotizaciones de monedas extranjeras, de acuerdo al tipo oficial del Banco Central de Reserva del Perú:

US\$-Dollar	S/ 38,70
Marcos alemanes	10.6541
Nvo. Peso Argentino	8,9212
Franco belga	0,7796
Cruzeiro del Brasil	7,1369
Dollar del Canadá	37,9414
Corona danesa	5,9487
Franco francés	7,0046
Florín de Holanda	10,7556
Rupia de la India	5,1664
Libra esterlina	92,4233
Lira italiana	0,0621
Yen del Japón	0,1081
Peso mexicano	3,0332
Corona sueca	7,4700
Franco suizo	8,9270
Peseta española	0,5534
Chelín de Austria	1,5093

De Uds. muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS


JOSE CROCI
GERENTE


GERENTE ADMINISTRATIVO

WTS

511 PE
②

Loan 511 PE - Lima Light

February 9, 1971

Empresas Electricas Asociadas
Casilla 1384
Lima - Peru

Gentlemen:

Thank you for your letter of January 27, 1971 enclosing a copy of the main report on "The Water Resources for Greater Lima", by Binnie & Partners. We do appreciate your having given us an opportunity to look at this document, which we find very interesting.

Sincerely yours,

Shiv S. Kapur
South America Department

cc: Messrs. Morse
Sear

SSKapur:ean

97

Loan 511-PE

511 PE
@
February 9, 1971

Your Ref: 114634

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Project
60 kV Circuit Breakers

We hereby reply to your letter of January 27, 1971 with which you sent us the comparison of bids and recommendation for the award of the above mentioned equipment.

Please be advised that we have no objection to the award being made as you suggest to the lowest bidder:-

Messrs. Brown Boveri, Switzerland in the total contract price of S.Fr. 829,700 CHF (approximately US\$191,388) for 25 circuit breakers and S.Fr. 4,755 for 25 valves.

Sincerely yours,



Richard M. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Department Files
Mr. Prudence (Controller's w/i)
Chron. File

14
RVSear:pw
IBRD
CONTROL NO. PE-1-09

9

Loan 511-PE

511 PE
February 9, 1971

Your Ref: 114633

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Project
60 kV Underground Cable

We hereby acknowledge your letter of January 26, 1971 with which you sent us the analysis of bids and recommendation for the award of the above mentioned equipment.

Please be advised that we have no objection to items 1a and 1b being awarded to the lowest bidder:

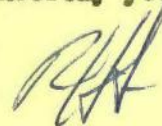
Showa Electric Wire and Cable Co. Ltd., Japan for:

- (a) two 3 phase 3 x 425 mm² cables at a total contract price of Yen 135,541,240 C&F.
- (b) two 3 phase 3 x 175 mm² cables at a total contract price of Yen 49,100,920 C&F.

We are not able to approve item 1c without further explanation because your Table I which shows the comparison of prices in US\$ equivalent shows that Showa is also the lowest bidder and not Cables De Lyon Alsacienne as you state in your recommendation. If Table I is in error, please advise us or if not, please explain why you do not wish to award item 1c to Showa.

We would appreciate it if in future you would kindly give us a list of the bids in the original currency as well as the US dollar equivalent used for comparison purposes.

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Department Files
Mr. Prudence (Controller's w/i)
Chron. File
RVSeas:pw
IBRD
CONTROL NO. PE-1-10

INCOMING CABLE

DATE AND TIME
OF CABLE:

FEBRUARY 6, 1971

1346

LOG NO.:

RG39/8

TO:

KAPUR INTEAFRAD

FROM:

LIMA

ROUTING

ACTION COPY: MR. KAPUR

INFORMATION
COPY: MR. ALTER

DECODED BY:

TEXT:

THANK YOU KIND INFORMATION. WILL SEE YOU 14

ALZAMORA

MLF

511 PE

OUTGOING WIRE

TO: DR. CARLOS MARIOTTI
GERENTE GENERAL
ASOCIADAS
LIMA

DATE: February 4, 1971

CLASS OF
SERVICE: IBF. GOVT.

COUNTRY: (PERU)

TEXT: ARRIVING LIMA FEBRUARY 14 FOR FIVE DAYS ON GENERAL OPERATIONAL MISSION
Cable No.:

STOP SHALL CONTACT YOU ON ARRIVAL FOR DISCUSSIONS STOP REGARDS

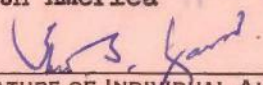
KAPUR
INTBAFRAD

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME Shiv S. Kapur

DEPT. South America

SIGNATURE 
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

REFERENCE PERU: Empresas Electricas Asociadas

SSKapur:ean

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

CLEARANCES AND COPY DISTRIBUTION:

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Checked for Dispatch:

INTERNATIONAL DEVELOPMENT
ASSOCIATION

INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL FINANCE
CORPORATION

OUTGOING WIRE

DATE: February 4, 1971

TO: DR. CARLOS MARINOTTI
GENERAL
ASSOCIATES
LIMA

CLASS OF
SERVICE: INT. GOVT.

COUNTRY: (PERU)

TEXT: ARRIVING LIMA FEBRUARY 14 FOR FIVE DAYS ON GENERAL OPERATIONAL MISSION
Cable No.: STOP SHALL CONTACT YOU ON ARRIVAL FOR DISCUSSIONS STOP REGARDS

KAPUR
INTERFAB

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME

Shiv S. Kapur

DEPT.

South America

SIGNATURE

SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE

REFERENCE

PERU: Empresa Electricas Asociadas

228497:ean

ORIGINAL (File Copy)

(IMPORTANT) See Guidelines Guide for preparing form

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COMMUNICATIONS

FEB 4 11 54 AM 1971

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Checked for Distribution

INTERNATIONAL DEVELOPMENT
ASSOCIATION

INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL FINANCE
CORPORATION

OUTGOING WIRE

TO: DEL CASTILLO
DIRSUPERIOR
MINTRANSPORTES
LIMA

DATE: FEBRUARY 1, 1971

CLASS OF
SERVICE: IBF GOVT

COUNTRY: PERU

TEXT:
Cable No.:

REFERENCE BANK LOANS 271-425-706 AND UNDP TECHNICAL ASSISTANCE PROJECT STOP
INGENIERO VAN DIJCK PLANNING ARRIVE LIMA TUESDAY FEBRUARY NINE AT 1000 HOURS
FOR TEN DAYS TO REVIEW AND DISCUSS ABOVE PROGRAMS STOP MALONE DEPUTY DIVISION
CHIEF WILL JOIN IN EARLY PART MISSION STOP PLEASE ARRANGE FIELD TRIP
PUCALLPA-AGUAYTIA-LA OROYA-LIMA FOR FEBRUARY ELEVEN TWELFTH AND THIRTEENTH
STOP PLEASE CABLE IF VISIT AND FIELD TRIP CONVENIENT REGARDS

NORTH
INTBAFRAD

Loans 271-425-706 -PE

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME John D. North
DEPT. Transportation Projects

SIGNATURE
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

REFERENCE: Avandijck/vdc

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

CLEARANCES AND COPY DISTRIBUTION:

Cleared with and cc: Mr. Kapur
cc: Messrs. Malone, Cabezas, Prudence

For Use By Communications Section

Checked for Dispatch:

TRANSMITTAL OF OFFICIAL DOCUMENT

Dissem file
RM

TO: OFFICIAL DOCUMENTS FILES

Date: January 28, 1971

FROM: F. Cabezas *FC*, Legal Department

RE: Loan No. 511-PE

Attached hereto for your files is/are the document(s) described below. Please distribute copies thereof according to applicable standing instructions and as may be additionally indicated below.

Description of Document(s)	Additional Distribution	
	Department or Name	No. of Copies
Letter from the Borrower dated January 14, 1971 appointing Messrs. Ricardo Tirado and Frantisek Svojsik to sign withdrawal applications, attaching specimen of their signatures.		
Comments:		
No. of pages attached: <u>2</u>		

cc (less attachments): Area Department:
Controller's Department
Legal Files
Power Projects Dept.:

Mr. Kapur
Mr. Prudence
Mr. Sear *✓*

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1394
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año del Sesquicentenario de la Independencia Nacional"

EMPRESAS ELECTRICAS ASOCIADAS

114534

Lima, 27 de enero de 1971

Señor
Bernard Zinman
Division Chief
Western Hemisphere Department
International Bank for Reconstruction
and Development
1818 H Street N.W.
Washington DC 20433
U.S.A.

Muy señor nuestro:

En relación con la reciente visita efectuada por nuestro Gerente General Dr. Carlos Mariotti al Banco Mundial, nos es grato adjuntarle una copia del informe que sobre "Los Recursos de Agua para la Gran Lima" ha elaborado para el Gobierno del Perú la firma Binnie & Partners, el mismo que nos fuera oficialmente proporcionado por el Ministerio de Vivienda del Perú.

Nos valemos de la oportunidad para presentarle las seguridades de nuestra especial consideración.

Atentamente,

EMPRESAS ELECTRICAS ASOCIADAS


ENRIQUE BROU
GERENTE ADMINISTRATIVO


LUIS ZAVALA
SECRETARIO GENERAL

OT/1a

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COMPANY EMPRESAS ELECTRICAS ASOCIADAS

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COMMUNICATIONS

RECEIVED

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

OFFICE MEMORANDUM

January 29, 1971

TO: Messrs. R.V. Sear and C. de Beaufort

FROM: Richard H. Sheehan *RHS*

SUBJECT: MALAYSIA - Loans 579-MA and 700-MA - Supervision, Preappraisal and Sector Review. Discussions with Consultants in London (Preece, Cardew and Rider)

TUNISIA - Preappraisal of Power Project of Societe Tunisienne de Electricite et du Gaz (STEG)

MOROCCO - Preappraisal of Power Project of Office National de l'Electricite (ONE)

CHILE - Preappraisal Discussions with Consultants in Zurich (Electrowatt) and London (Merz McLellan)

PERU - Loan 511-PE - Discussions with Consultants in Baden (Motor Columbus)

Terms of Reference

1. Your assignment starting on February 10, 1971 will be to proceed to Malaysia to carry out a supervision, preappraisal and sector review mission. The matters requiring particular attention are:-

- (a) In Sabah and Sarawak a brief review should be made of the demand forecast and system expansion program in order to update the Bank's information for the Sector. The status of consultants studies and the timing and amount of any future Bank lending should be ascertained.
- (b) In West Malaysia under Loans 579-MA and 700-MA construction progress at Johore Bahru, Penang and Port Dickson should be reviewed during site visits. While in Singapore about February 19, 1971 you will be joined by Mr. Narcissiantz, who will undertake a supervision mission to the Public Utilities Board (PUB). You should introduce him to PUB's staff.
- (c) NEB's management situation should be reviewed with the General Manager in view of changes being considered due to pending retirements during the next 12 months. Under the loan agreements, the Bank is to be given the opportunity of prior comment on any proposed changes to management positions.
- (d) NEB's tax obligations have been under discussion between NEB and the Government for the past year. This situation should be reviewed and the effects of any Government decision on NEB's financial position ascertained.

579 MA
a 700 MA
a MA - Sabah Dist Ed
a MA - Power (G)
a MA - TOR
✓ a 511 PE
a PE - TOR
a MOR - Power
a MOR - TOR

cc CH - Antuco Power
a CH - TOR
cc TUN - STEG - Power Exp.
TUN - TOR 170

January 29, 1971

- (e) Under the Bank's agreement with NEB, (Area Department letter July 9, 1970) you should review progress on the Temengor Hydro project, which is being financed by the Canadian Government but which may include a future Bank loan for the associated transmission lines and substations. You should determine the timing of an appraisal mission and the approximate amount for this proposed loan. You should also review NEB's plans for its long range expansion program to determine the approximate amount and timing of future Bank lending through 1976.
- 2. You should leave Malaysia about March 4, 1971. Mr. Sear will proceed to Switzerland for discussions with Electrowatt in Zurich on (a) the design features of the Antuco Power project (300 MW) and the feasibility studies of the Colburn Project (500 MW) being made for Endesa, Chile (b) the tariff study for PUB Singapore. Also, with Motor Columbus in Baden on the progress of the Matucana Project in Peru (Loan 511-PE). Mr. de Beaufort will take annual leave until March 11, 1971.
- 3. On about March 11, 1971 Mr. Sear will proceed to Tunisia to join Mr. de Beaufort to make a preappraisal review of STEG's proposed power program paying special attention to:-
 - (a) Stage B of the Rhennouch plant at Gabes, the feasibility report for this project, and the timing of an appraisal mission;
 - (b) plans for the expansion of generating capacity after Stage B of Rhennouch, and
 - (c) the possibility of including a sea water desalination plant in Stage C of Rhennouch. To the extent practicable discussions on the desalination plant should be held jointly with the Bank's water supply supervision mission.
- 4. On about March 18, 1971 Mr. de Beaufort should proceed to Morocco for a visit of about one week, to discuss with the Government and ONE:
 - (a) action to be taken regarding recommendations made by the EdF mission, specifically those relating to the Government's policies for the electric power sector and the formula suggested for the financing of future expansion,
 - (b) the need for a study of the financial position of the electric power departments of the regies, tariffs for electric power sales by the regies and the tariff for bulk supplies of electric power to the regies, and
 - (c) progress made on ONE's change over to a new accounting system.
- 5. Mr. Sear will proceed from Tunisia to London on about March 18, 1971 for discussions with Messrs. Preece, Cardew and Rider (PCR) on the projects in Malaysia and to review the contracts recently agreed to between PCR and NEB for consulting services which are to be approved by the Bank. Also, discussions with Merz McLellan on the next power project for Chile with special reference to the overall system expansion program.

To: Messrs. R.V. Sear and C. de Beaufort - 3 -

January 29, 1971

6. Upon your return to the Bank you should submit a Back to Office report immediately and follow it by full reports as required.

cc and cleared with: Messrs. Ahmad (4) (SA), Foster (4) (EA&P)
McCall (4) EME&NA), Julin (4) (EME&NA)

cc: Messrs. Chadenet, Baum, James Lee, Weiner, Armstrong, Howell, Berrie,
Jennings, White, Saeed/Ducker, Springuel (EME&NA), de Lusignan
(EME&NA), Morse, Thys
Central Files
Department Files
Chron. File

RVSear/CdeBeaufort:pww
IBRD

LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1304
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año del Sesquicentenario de la Independencia Nacional"

VJ11 PE
ape - Power (S)
C

EMPRESAS ELECTRICAS ASOCIADAS

114534

Lima, 27 de enero de 1971

Señor
Bernard Zinman
Division Chief
Western Hemisphere Department
International Bank for Reconstruction
and Development
1818 H Street N.W.
Washington DC 20433
U.S.A.

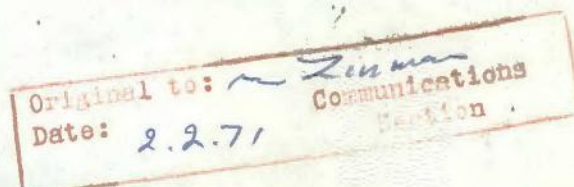
Muy señor nuestro:

En relación con la reciente visita efectuada por nuestro Gerente General Dr. Carlos Mariotti al Banco Mundial, nos es grato adjuntarle una copia del informe que sobre "Los Recursos de Agua para la Gran Lima" ha elaborado para el Gobierno del Perú la firma Binnie & Partners, el mismo que nos fuera oficialmente proporcionado por el Ministerio de Vivienda del Perú.

Nos valemos de la oportunidad para presentarle las seguridades de nuestra especial consideración.

Atentamente,

EMPRESAS ELECTRICAS ASOCIADAS



OT/la

ENRIQUE BROU
GERENTE ADMINISTRATIVO

LUIS Z. VALA
SECRETARIO GENERAL

LIMA
LIGHT
AIR
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año del Sesquicentenario de la Independencia Nacional"

EMPRESAS ELECTRICAS ASOCIADAS

114633

Lima, January 26, 1971

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. Feb. 8/71

Date Ack'd. Feb 9/71

Assigned to Shreehan
Mr. S. W. R.

Loan 511 PE
Matucana Project

PE-1-10

Dear Sirs,

We refer to your letter of December 1, 1970 and are enclosing herewith for your information and approval our Report and Recommendation for Award of Contract regarding

60 kV UNDERGROUND CABLE

for the above mentioned project.

Please also find enclosed:

- attached*
- Newspaper advertisements
 - Public Notary certificate
 - copy of our letter sent to the local official representatives of the foreign countries (Embassies)
 - copy of our letter sent to the local representatives showing exchange rates for comparison of offers.

Awaiting your conformity, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

Enrique Brou
ENRIQUE BROU
GERENTE ADMINISTRATIVO

Alfredo Gribellini
ALFREDO GRIBELLINI
GERENTE RELACIONES GENERALES

Enclosures

wtS

1051 FEB-2 6W 3:00

LIMA
LIGHT
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 281
LIMA - PERU
TELEFONO 272200
CASILLA 1284
CABLES ASOCIADOS
TELEX: LIGHT 2640087

EMPRESAS ELECTRICAS ASOCIADAS

"Año del Bicentenario de la Independencia Nacional"

114633

Lima, January 26, 1971

U.S.A.
Washington, D.C. 20433
1818 H Street, N.W.
Reconstruction and Development
International Bank for

Matucana Project
Loan 511 PE

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60 KV UNDERGROUND CABLE

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Awaiting your conformity, we remain

Yours very truly,

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ALFREDO GONZALEZ
GENERAL MANAGER

ENRIQUE BROU
GENERAL ADMINISTRATIVE

Enclosures

1971 FEB-5 PM 3:09

WTS

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL DE CABLES 60 KV.

Se invita a los fabricantes de cables a presentar ofertas para el suministro y montaje de cables subterráneos de A.T. con las siguientes características principales:

Tipo:	Cables trifásicos, con aceite fluido y papel impregnado.
Conductor:	Cobre
Tensión nominal:	60 kv.
Largo total del suministro:	Aprox. 28,000 mt.

Las especificaciones podrán ser obtenidas hasta el día 8 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 1,000.— por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Miércoles 16 de Diciembre de 1970, a las horas 10 a.m.; fecha y hora en que serán abiertas y leídas públicamente, en presencia de Notario, todas las cotizaciones recibidas, quedando anuladas las que llegasen posteriormente.

La adquisición de los cables, objeto de esta licitación, será financiada por el Banco Mundial, a cargo de nuestro Préstamo N° 511.

"El Peruano"

Lima, 1° de Octubre de 1970.

D.A. — 23630 — S/. 990.00 — 1v. — 1° Octubre.

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL DE CABLES 60 KV.

Se invita a los fabricantes de cables a presentar ofertas para el suministro y montaje de cables subterráneos de A. T. con las siguientes características principales:

Tipo	: Cables trifásicos, con aceite fluido y papel impregnado.
Conductor	: Cobre
Tensión nominal	: 60 kv.
Largo total del suministro	: Aprox. 28,000 mt.

Las especificaciones podrán ser obtenidas hasta el día 8 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 1,000.00 por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Miércoles 16 de Diciembre de 1970, a las horas 10 a.m.; fecha y hora en que serán abiertas y leídas públicamente, en presencia de Notario, todas las cotizaciones recibidas, quedando anuladas las que llegaren posteriormente.

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"EXPRESO"

Lima, 1° de Octubre de 1970

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL DE CABLES 60 Kv.

Se invita a los fabricantes de cables a presentar ofertas para el suministro y montaje de cables subterráneos de A.T. con las siguientes características principales:

Tipo	:	Cables trifásicos, con aceite fluido y papel impregnado.
Conductor	:	Cobre
Tensión nominal	:	60 K.v.
Largo total del suministro	:	Aprox. 28,000 mt.

Las especificaciones podrán ser obtenidas hasta el día 8 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 1,000.— por ejemplar.

Las ofertas deberán presentarse en sobre cerrado con la indicación clara de la licitación, hasta el día Miércoles 16 de Diciembre de 1970, a las horas 10 a.m.; fecha y hora en que serán abiertas y leídas públicamente, en presencia de Notario las cotizaciones recibidas, quedando anuladas las que llegaran posteriormente.

La adquisición de los cables, objeto de esta licitación, será financiada por el Banco Mundial, a cargo de nuestro Préstamo N° 511.

N° 280323.

"EL COMERCIO"

Lima, 1° de Octubre de 1970.

EMPRESAS ELECTRICAS ASOCIADAS

Licitación Internacional de Cables 60 kv.

Se invita a los fabricantes de cables a presentar ofertas para el suministro y montaje de cables subterráneos de A.T. con las siguientes características principales:

TIPO:	Cables trifásicos, con aceite fluido y papel impregnado
CONDUCTOR:	Cobre
TENSION NOMINAL:	60 KV.
LARGO TOTAL DEL SUMINISTRO:	Aprox. 28,000 mt.

Las especificaciones podrán ser obtenidas hasta el día 8 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, Tercer piso, previo pago de S/. 1,000.— por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Miércoles 16 de Diciembre de 1970, a las horas 10 a.m.; fecha y hora en que serán abiertas y leídas públicamente, en presencia de Notario, todas las cotizaciones recibidas, quedando anuladas las que lleguen posteriormente.

La adquisición de los cables, objeto de esta licitación, será financiada por el Banco Mundial, a cargo de nuestro Préstamo N° 511.

"LA PRENSA"

Lima, 1° de Octubre de 1970



T N° 69620802



Manuel Reátegui M.
Notario Público
LIMA-PERU

ACTA DE LICITACION INTERNACIONAL

PARA EL SUMINISTRO DE CABLES ELECTRICOS SUBTERRANEOS, 60 KV.

EN ACEITE FLUIDO

En Lima, Perú, siendo las diez antes del meridiano del día dieciseis de diciembre de mil novecientos setenta, en las oficinas de las Empresas Eléctricas Asociadas, se reunió el Comité de Licitaciones de las referidas Empresas, integrado por los señores Ingenieros Marcel Marchand, Leopoldo De Luca y señor Werner Schneidewind, con intervención del Notario Público de ésta Capital, doctor Manuel Reátegui Molinares, con el objeto de recibir las ofertas correspondientes a la Licitación Internacional, para suministrar: Cables subterráneos y todos los accesorios para los Tramos: 1. - Balnearios del Sur - Limatambo; 2. - Limatambo - Lince; 3. - Santa Rosa - Tacna; 4. - Barisi - Pershing. - - - - -

Vencido el plazo de tolerancia legal, el señor Ingeniero Marcel Marchand, Presidente del Comité, declaró abierta la Licitación, invitando a los señores representantes de las firmas proponentes para que entreguen a la mesa sus propuestas. - Las Cotizaciones recibidas son las siguientes: - - - - -

A. - Fabricante: Felten & Guilleaume KW, Alemania. - Representante: Elecsa S.A. - Cables de cobre con chaqueta de aluminio corrugado; secciones: 3 x 500 mm², 3 x 240 mm², 3 x 120 mm², 3 x 95 mm². - Precios en Marcos Alemanes por Km. - (Fob., respectivamente C&F): 1) 133,540-, 143,050-,; 2) 82.300-, 92.300-; 3) 56.100-, 64,850-; 4) 50.100-, 58.250-. - Cotización del Cobre: £ est. 500-- por Ton. métrica. - Cotización del Aluminio: DM 221-- por Ton. métrica. - Entrega: Entre los 3 y 7 ///

/// meses después de recibir la orden. - Presenta alternativa por monto más bajo para cable con menor aislamiento que la oferta principal. - - - - -

B. - Fabricante: Showa Electric Wire & Cable Co. Ltd. Japón. - Representantes: Okura Trading Co. Ltd. - Cables de cobre con chaqueta de aluminio corrugado, secciones: 3 x 425 mm², 3 x 175 mm², 3 x 80 mm², 3 x 70 mm². - Precios en Yens Japoneses por el total de cada tramo (FOB. + recargo para flete hasta el Callao del cable y accesorios): 1) 110'300,400- + 10'237,000; 2) 35'191,800- + 4'385,000-; 3) 24'122.880 - + 3'324,000-; 4) 20'315,490- + 2'824,000. Precios fijos. - Presenta alternativa para tramos 3 y 4. - Entrega: Conforme solicitado en las Bases de Licitación. - - - - -

C. - Fabricante: Cables Cortaillod, Suiza. - Representantes: Cablex Ltd. Suiza, y Brown Boveri del Perú. - Cables de cobre con chaqueta de plomo, secciones: 3 x 500 mm², 3 x 185 mm², 3 x 95 mm², 3 x 95 mm². - Precios en francos suizos por cada 100 m (Fob., respectivamente C&F): 1) 18,750-; 20,650-; 2) 9,260-, 10,370-; 3) 6,430.-, 7,255.-; 4) 6,430.-, 7,255.-. Entrega: 7 meses Ex-Fábrica, entregas parciales con anterioridad. - Cotización del cobre: £ est. 459-- por 1,000 Kls. - Cotización del plomo: £ est. 117.75 por 1,000 Kls. - - - - -

D. - Fabricante: Pirelli S. p. A., Italia. - Exportador: Cablexport, Italia; Representante: Pirelli Peruana S.A. - Cables de cobre con chaqueta de plomo, secciones: 3 x 400 mm², 3 x 185 mm², 3 x 120 mm², 3 x 95 mm². - Precios en libras italianas por el total de cada Tramo (Fob., respectivamente C&F): 1) 207'684.000-, 225'936,000-; 2) 68'733,000-, 76'860,000-; ///



CURR T N° 69620804

-2-



Manuel Pedregal M.
Notario Público
LIMA-PERU

//// 3) 50'572.800.-, 56'217.600.--; 4) 39'140.000.-, 43'956.900..

Presenta alternativa por cables con chaqueta de aluminio.- Cotización del cobre: £ est. 430-- por 1,000 Kls. - Cotización del plomo: £ est. 120. - por 1,000 Kls. - Entregas: De acuerdo con lo solicitado en las Bases de la Licitación (en el caso de chaqueta de aluminio, el plazo sería un poco más amplio).- - -

E. - Fabricante: Nederlandsche Kabel Fabriek, Holanda- Representante: South Pacific Industrial Supplies S.A.- Cables de cobre con chaqueta de plomo; secciones: 2 circuitos de 3 cables monofásicos 1 x 800 mm², 3 x 300 mm², 3 x 120 mm², 3 x 95 mm². - Precios en Florines Holandeses por Km. (FOB, respectivamente C&F): 1) 64,250. -, 71, 125-; 2) 81,975-, 92,700-; 3) - 44,425. -, 51,250. -; 4) 42,550. -, 49,675. -. Descuentos ofrecidos sobre los valores Fob.: 1.5%. - Cotización del cobre: - £ est. 436.50 por 1,000 Kls. - Cotización del plomo: £ est. - 116.50 por 1,000 Kls. - Entrega: A partir de los 8 meses, a razón de 4 carretes semanales. - - - - -

F. - Fabricante: Les Cables de Lyon - Alsacienne.- Representante: IMPELEC S.A. - Cables de cobre con chaqueta de aluminio; secciones: 2 circuitos de 3 x 220 mm², 3 x 270 mm², 3 x 120 mm², 3 x 95 mm². - Precios en US \$ por Km. (FOB., respectivamente C&F): 1) 17,288-, 18,873. -; 2) 21,378. -, 23,264.- 3) 11,641. -, 12,708. -; 4) 9,969. -, 10,890.--. Cotización del cobre: £ est. 450 - por 1,000 Kls.- Cotización del aluminio: £ est 260 - por 1,000 Kls. - Entrega de acuerdo con las especificaciones de la Licitación. - - - - -

Todas las ofertas indican precios y tipos de accesorios, así como de repuestos sugeridos. - También se dió lec- ///

/// tura a una carta de la firma Condomex, informando no participar en la Licitación.-----

Todas las propuestas presentadas fueron rubricadas por los señores miembros del Comité de Licitaciones y por el Notario interviniente, procediéndose a extender la presente acta, la misma que sin observación alguna, fué debidamente suscrita.-

El señor Ingeniero Marcel Marchand, a nombre de las Empresas Eléctricas Asociadas, agradeció a los señores representantes de las firmas proponentes, su concurrencia a la presente Licitación, dando así por finalizado el acto de Recepción de las Propuestas; de todo lo que doy fé.-

rts.-

Manuel Restegui M.
Manuel Restegui M.
Notario Público
LIMA-PERÚ

Lepoldo deluca
la Marchand
Recepción

LIMA
LIGHT
AND
POWER
COMPANY

SONDA DE SUPERUNDA
(VERACRUZ) 201
LIMA - PERU
TELEFONO 276200
CASILLA 1864
CABLES ASOCIADOS
TELEX LIGHT 2640057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

112530

Lima, Noviembre 25 de 1970

Señores

Presente

Ref: Licitaciones:

1. Cables subterráneos 60 kV	Apertura: 16.12.70
2. Medidores monofásicos	" 18.12.70
3. Interruptores 10 kV	" 22.12.70
4. Interruptores aire comprimido 60 kV	" 30.12.70

Muy señores nuestros:


Hacemos referencia a las bases de las Licitaciones del rubro, las mismas que oportunamente recabaron Uds. para presentar una oferta de sus Representados, y nos cumple llevar a su conocimiento que para los fines de comparación de las propuestas se tomarán las siguientes cotizaciones de monedas extranjeras, de acuerdo al tipo oficial del Banco Central de Reserva del Perú:

US\$-Dollar	\$ 38,70
Marcos alemanes	10,6541
Nvo. Peso Argentino	8,9212
Franco belga	0,7796
Cruzeiro del Brasil	7,1369
Dollar del Canadá	37,9414
Corona danesa	5,9487
Franco francés	7,0046
Florín de Holanda	10,7556
Rupia de la India	5,1664
Libra esterlina	92,4233
Lira italiana	0,0621
Yen del Japón	0,1081
Peso mexicano	3,0332
Corona sueca	7,4700
Franco suizo	8,9270
Peseta española	0,5534
Chelín de Austria	1,5093

De Uds. muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS


GERENTE


GERENTE ADMINISTRATIVO

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276290
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

110359

Lima, Setiembre 29 de 1970

Alemania-Australia-Austria-Bélgica-Canadá-Dinamarca
Estados Unidos- Finlandia-Francia-Holanda-Italia-
Señores Japón-España-México-Noruega-Suecia-Suiza

Presente

Muy señores nuestros:

Ref: RED 60 kV - AMPLIACION

Tenemos a bien informar a Uds. que en los próximos días vamos a publicar un anuncio de licitación en los principales diarios locales para:


28.000 metros Cables de cobre subterráneo
aislados con aceite y papel impreg-
nado, de diversas medidas


La adquisición de los cables objeto de la licitación indicada gozará de la financiación del Banco Mundial con cargo al Préstamo 511 de Empresas Eléctricas Asociadas.

En el caso que alguna firma de su País estuviera interesada en presentar una oferta, les rogamos indicarle se dirija a nuestro Servicio de Compras, Oficina 306, quien le podrá proporcionar las correspondientes especificaciones a partir del 1.10.70, contra pago de S/ 1.000,00 por ejemplar.

Anticipamos nuestras debidas gracias por la atención que se servirán dispensar a la presente y aprovechamos la oportunidad para enviarles nuestros saludos distinguidos.

EMPRESAS ELECTRICAS ASOCIADAS


JOSÉ CHOCÍ
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO

Incl.
Especificaciones

wt
/

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año del Sesquicentenario de la Independencia Nacional"

EMPRESAS ELECTRICAS ASOCIADAS

114634

Lima, January 27, 1971

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. Feb 8/71

Date Ack'd. Feb 9/71

Assigned to Sheehan
MC SWE

Loan 511 PE
Matucana Project

Gentlemen:

We refer to your letter of December 1, 1970, and are enclosing herewith for your information and approval our Report and Recommendation for Award of Contract regarding

60 kV AIR-BLAST CIRCUIT BREAKERS

for the above mentioned project.

Please also find enclosed:

- attached*
- Newspaper advertisements
 - Public Notary certificate
 - copy of our letter sent to the local official representatives of the foreign countries (Embassies)
 - copy of our letter sent to the local representatives showing exchange rates for comparison of offers.

Awaiting your conformity, we remain

Very truly yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

Enrique Brou
ENRIQUE BROU
GERENTE ADMINISTRATIVO

Alfredo Chibellini
ALFREDO CHIBELLINI
GERENTE RELACIONES GENERALES

1011 FEB-2 PM 3:08

Enclosures

wtb

LIMA
LIGHT
AND
POWER
COMPANY
CONDE DE SUPERUNDA
(VERACRUZ) 201
LIMA - PERU
TELEFONO 275200
CASILLA 1284
CABLES: ASOCIADAS
TELEX: LIGHT 284087

EMPRESAS ELECTRICAS ASOCIADAS

"Año del Sesquicentenario de la Independencia Nacional"

114634

Lima, January 27, 1971

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.
Date Rec'd. 1/27/71
Date Ack'd. 1/27/71
Assigned to [Signature]
[Signature]

Loan 511 PM
Matucana Project

Gentlemen:

We refer to your letter of December 1, 1970, and are enclosing herewith for your information and approval our Report and Recommendation for Award of Contract regarding

60 KV AIR-BLAST CIRCUIT BREAKERS

for the above mentioned project.
Please also find enclosed:

- Newspaper advertisements
- Public Notary certificate
- copy of our letter sent to the local official representatives of the foreign countries (Embassies)
- copy of our letter sent to the local representatives showing exchange rates for comparison of offers.

Awaiting your conformity, we remain

Very truly yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

[Signature]
GERENTE RELACIONES GENERALES
ALFREDO CHIBELINI

ENRIQUE BROU
GERENTE ADMINISTRATIVO

1971 FEB -5 PM 3:09

[Signature]
[Signature]

Enclosures

wtw

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL PARA INTERRUPTORES DE AIRE COMPRIMIDO 60 kV.

Se invita a todos los interesados a presentar ofertas para el suministro de interruptores, con las siguientes características principales:

- | | |
|-----------------------|--|
| — Tipo | : Interruptores tripolares de aire comprimido. |
| — Tensión nominal | : 60 kV. |
| — Corriente nominal | : 1000 A. |
| — Potencia de ruptura | : 1500 MVA (mínimo) |
| — Frecuencia | : 60 Hz. |
| — Cantidad | : 25 unidades. |

Las especificaciones podrán ser obtenidas hasta el día 26 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, tercer piso, previo pago de S/. 500.00, por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Miércoles 30 de Diciembre de 1970 a horas 10 a.m.: fecha y hora en que serán abiertas y leídas públicamente en presencia de Notario, todas las cotizaciones recibidas, quedando anuladas las que llegaran posteriormente.

La adquisición de los interruptores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

"El Comercio"

Lima, 20 de Octubre de 1970.

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL PARA INTERRUPTORES DE AIRE COMPRIMIDO 60 KV.

Se invita a todos los interesados a presentar ofertas para el suministro de interruptores, con las siguientes características principales:

- | | |
|-----------------------|--|
| — Tipo | : Interruptores tripolares de aire comprimido. |
| — Tensión nominal | : 60 KV. |
| — Corriente nominal | : 1000 A. |
| — Potencia de ruptura | : 1500 MVA (mínimo). |
| — Frecuencia | : 60 Hz. |
| — Cantidad | : 25 unidades. |

Las especificaciones podrán ser obtenidas hasta el día 26 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, tercer piso, previo pago de S/. 500.00 por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Miércoles 30 de Diciembre de 1970 a horas 10 a.m.: fecha y hora en que serán abiertas y leídas públicamente en presencia de Notario, todas las cotizaciones recibidas, quedando anuladas las que llegaran posteriormente.

La adquisición de los interruptores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

Lima, 20 de Octubre de 1970.

"La Prensa"

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL PARA INTERRUPTORES

DE AIRE COMPRIMIDO 60 kV.

Se invita a todos los interesados a presentar ofertas para el suministro de interruptores, con las siguientes características principales:

- | | |
|-----------------------|--|
| — Tipo | • Interruptores tripolares de aire comprimido. |
| — Tensión nominal | • 60 kV. |
| — Corriente nominal | • 1000 A. |
| — Potencia de ruptura | • 1500 MVA (mínimo). |
| — Frecuencia | • 60 Hz. |
| — Cantidad | • 25 unidades. |

Las especificaciones podrán ser obtenidas hasta el día 26 de Octubre próximo en el Servicio de Compras, Calle Veracruz 261, Oficina 306, tercer piso, previo pago de S/. 500.00, por ejemplar.

Las ofertas deberán presentarse en sobre cerrado y sellado con la indicación clara de la licitación, hasta el día Miércoles 30 de Diciembre de 1970 a horas 10 a.m.: fecha y hora en que serán abiertas y leídas públicamente en presencia de Notario, todas las cotizaciones recibidas quedando anuladas las que llegaran posteriormente.

La adquisición de los interruptores, objeto de esta licitación, será financiada por el Banco Mundial, con cargo a nuestro Préstamo N° 511.

"El Peruano"

Lima, 20 de Octubre de 1970.

DA.- 23843.- S/. 1,188.00-1v. — 20 Octubre.

EMPRESAS ELECTRICAS ASOCIADAS

LICITACION INTERNACIONAL PARA INTERRUPTORES

D AIRE COMPRIMIDO 60 kV.

Se invita a todos los interesados a presentar ofertas para el suministro de interruptores, con las siguientes características principales:

- | | |
|----------------------|---|
| —Tipo | : Interruptores tripolares de aire comprimido |
| —Tensión nominal | : 60 kv. |
| —Corriente nominal | : 1,000 A. |
| —Potencia de ruptura | : 1,500 MVA (mínimo) |
| —Frecuencia | : 60 Hz. |
| —Cantidad | : 25 unidades. |

Las especificaciones podrán ser obtenidas hasta el día 26 de Octubre próximo en el Servicio de Compras, calle Veracruz 261, oficina 306, tercer piso, previo pago de S/. 500.00, por ejemplar.

Las ofertas deberán presentarse en sobres cerrado y sellado con la indicación clara de la licitación, hasta el día miércoles 30 de diciembre de 1970 a horas 10 a.m.: fecha y hora en que serán abiertas y leídas públicamente en presencia de Notario, todas las cotizaciones recibidas, quedando anuladas las que llegaran oportunamente.

La adquisición de los interruptores, objeto de esta licitación, será financiada por el Banco Mundial con cargo a nuestro Préstamo N° 511.

"EXPRESO"

Lima, 20 de Octubre de 1970.



T N° 71108544

ACTA DE LICITACION INTERNACIONAL

PARA EL SUMINISTRO DE 25 INTERRUPTORES TRIPOLARES DE AIRE COM-

PRIMIDO DE 60 Kv. 1000 A. 1500 MVA. 60 Hz.

En Lima, Perú, siendo las diez antes del meridiano del día treinta de diciembre de mil novecientos setenta, en las oficinas de las Empresas Eléctricas Asociadas, se reunió el Comité de Licitaciones de las referidas Empresas, integrado por los señores ingenieros Leopoldo De Luca y Manuel Kiyán y señor Werner Schneidewind, con intervención del Notario Público de ésta Capital, doctor Manuel Reátegui Molinares, con el objeto de recibir las ofertas correspondientes a la Licitación Internacional, para suministrar: 25 Interruptores Tripolares de Aire Comprimido 60 Kv., 1000 A., 1500 MVA., 60 Hz. - - - - -

Vencido el plazo de tolerancia legal, el señor Ingeniero Leopoldo De Luca, Presidente del Comité, declaró abierta la Licitación, invitando a los señores representantes de las firmas proponentes para que entreguen a la mesa sus propuestas. - Las Cotizaciones recibidas son las siguientes: - - - - -

1. - Fabricante: Indian Consortium for Power Projects Pvt. Ltd., India (por intermedio de la Embajada de la India en Lima). Total C&F Rupias 1'515'000. - - - - -

2. - Fabricante: L'Electricité Industrielle Belge S.A., Bélgica. Representante: Coperimprel. Total C&F Francos Belgas 11,130.000; alternativa: Francos Belgas 10'917,500. Se deja constancia que la cotización no está firmada y que se trata de interruptores en pequeño volumen de aceite. - - - - -

3. - Fabricante: Delle: Alsthom, Francia. - Representante: Impelec. Total C&F Francos Franceses 558.250. Se trata de



Manuel Reátegui M.
Notario Público
LIMA-PERU

aparatos en pequeño volúmen de aceite. - - - - -

4. - Fabricante: Nissin Electric Co. Ltd., Japón.- Representante: Nichimen Co. Ltd. Total C&F Yens 79'200,000.- Alternativa: Yens 80'100,000.- - - - -

5. - Fabricante: Laur Knudsen, Dinamarca. - Representante: Peruvian Trading Corp.- Presenta dos alternativas, ambas por aparatos en pequeño volúmen de aceite, ambas por un total C&F Kor. Dan. 940,000.-- - - - -

6. - Fabricante: Brown Boveri & Cie., Suiza.- Representante: Brown Boveri del Perú. Total C&F francos suizos 1'201,145.- Cotización adicional de 25 válvulas: C&F francos suizos 4,755.- Presenta tres alternativas por valor C&F Fr.Sz. 1'303,307.00, Fr. Sz. 729,275.00, Fr. Sz. 829,700. - - - - -

7. - Fabricante: Merlin Gerin, Francia. - Representante: Panindustria S.A. - Precio unitario C&F francos franceses - 43,250.-- Alternativa: francos franceses 45,650. - - - - -

Se deja constancia que el Comité no aceptó recibir la Propuesta de la firma Magrini, de Italia, por haber sido presentada por su Representante en Lima: Sareco S.A., después de iniciado el acto de apertura de los sobres conteniendo las Propuestas presentadas a la Mesa. - - - - -

Todas las propuestas presentadas, fueron rubricadas por los señores miembros del Comité de Licitaciones y por el Notario Interviniente, procediéndose a extender la presente acta, la misma que sin observación alguna, fué debidamente suscrita. - - - - -

El señor Ingeniero Leopoldo De Luca, a nombre de las Empresas Eléctricas Asociadas, agradeció a los señores re-////



T N° 69694656

-2-

//// presentantes de las firmas proponentes, su concurrencia a la presente Licitación, dando así por finalizado el acto de Recepción de las Propuestas; de todo lo que doy fé.-



rts.-

Josef Adelman

Manfred Schmid

Manfred Schmid

Manuel Reátegui M.
Notario Público
LIMA-PERU

Manfred Schmid

EMPRESAS ELECTRICAS ASOCIADAS

110952

Lima, 16 de octubre de 1970

Señores
Embajada de:
Presente

Alemania, Australia, Austria, Bélgica, Canadá, Dinamarca
España, Estados Unidos, Finlandia, Francia, Holanda,
Británica, Italia, Japón, México, Noruega, Suecia, Suiza
India.-

Muy señores nuestros:

Ref.: Proyecto Matucana

Por la presente nos es grato comunicarles que en los próximos días se llamará a Licitación Internacional, de acuerdo a las especificaciones que enviamos anexas, para el suministro de:

25 Interruptores 60 kV de aire comprimido

La compra de estos interruptores será financiada por el Banco Mundial con cargo a nuestro Préstamo 511-PE.

En el caso de que alguna firma de su país estuviera interesada en presentar una oferta, les rogamos indicarle se dirija a nuestro Servicio de Compras, oficina 306, quien le podrá proporcionar las correspondientes especificaciones, contra pago de S/. 500.- por ejemplar, hasta el 26.10.70.

Anticipamos nuestras debidas gracias por la atención que se sirvan dispensar a la presente y aprovechamos la oportunidad para enviarles nuestros saludos distinguidos.

EMPRESAS ELECTRICAS ASOCIADAS


JOSE CROCI
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO

Incl:
especificaciones
wtshn.

EMPRESAS ELECTRICAS ASOCIADAS

112530

Lima, Noviembre 25 de 1970

Señores

Presente

Ref: Licitaciones:

1. Cables subterráneos 60 kV	Apertura: 16.12.70
2. Medidores monofásicos	" 18.12.70
3. Interruptores 10 kV	" 22.12.70
4. Interruptores aire comprimido 60 kV	" 30.12.70

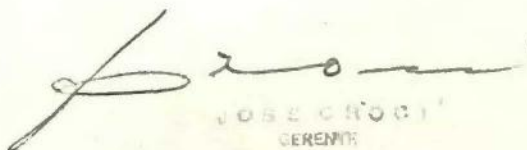
Muy señores nuestros:


Hacemos referencia a las bases de las Licitaciones del rubro, las mismas que oportunamente recabaron Uds. para presentar una oferta de sus Representados, y nos cumple llevar a su conocimiento que para los fines de comparación de las propuestas se tomarán las siguientes cotizaciones de monedas extranjeras, de acuerdo al tipo oficial del Banco Central de Reserva del Perú:

US\$-Dollar	S/. 38,70
Marcos alemanes	10,6541
Nvo. Peso Argentino	8,9212
Franco belga	0,7796
Cruzeiro del Brasil	7,1369
Dollar del Canadá	37,9414
Corona danesa	5,9487
Franco francés	7,0046
Florín de Holanda	10,7556
Rupia de la India	5,1664
Libra esterlina	92,4233
Lira italiana	0,0621
Yen del Japón	0,1081
Peso mexicano	3,0332
Corona sueca	7,4700
Franco suizo	8,9270
Peseta española	0,5534
Chelín de Austria	1,5093

De Uds. muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS


JOSE CHOC
GERENTE


GENERAL ADMINISTRATIVO

wtg
1111

511 PE
C

Loan 511-PE

January 25, 1971

Your Ref: 114112

Empresas Electricas Asociadas
Casilla 1384
Lima, Peru

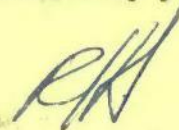
Dear Sirs:

Re: Loan 511-PE
220 kV System
Power Transformers

We wish hereby to acknowledge your letter of January 15, 1971 in which you advise that OCREN have made an offer to supply 3 x 28,333 kVA transformers under the option given in the original order to them for 6 similar units.

Please be advised that we have no objection to the award of this order to OCREN at a total contract price of Italian Lira 107,100,000 FOB Napoli, Italy or Italian Lira 114,300,000 C&F Callao, Peru.

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Department Files
Mr. Prudence (Controller's w/1)
Chron. File

RVSear:pw
IBRD
CONTROL NO. PE-1-08



LIMA
LIGHT
AND
POWER
COMPANY

EMPRESAS ELECTRICAS ASOCIADAS

GERENCIA GENERAL VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

Lima, January 15, 1971

International Bank for Reconstruction
and Development
1818 H Street, N.W.

Washington, D.C. 20433 U.S.A.

Gentlemen:

As the Bank is aware, with the forthcoming commissioning of the "Pablo Boner" Power Plant at Matucana and, subsequently, of the first stage of the Mantaro Project, it will be possible to satisfy the necessities of power generation in our concession area very likely until 1978.

Nevertheless, as we have already expressed it in recent conversations to some of your officers, it will be necessary to make a special effort in order to expand our present installations in the transmission and distribution systems, for the purpose of meeting the demand of our customers, which increases at the annual rate of 15,000 new connections. In addition, our Company has to take into account the electrification program of "New Populations" (Pueblos Jóvenes), which the Peruvian Government pledged to carry out, corresponding to the installation of at least 70,000 new connections for the next four years, starting from 1971.

Loan No. 511 PE for Matucana, now in course of disbursement, also considers a program for the transmission and distribution systems to be executed this year and, consequently, it is indispensable to attend the major demand from new customers for the period 1972-1974.

For the above mentioned reasons, to which must be added the disposition in Art. 35 of the Electrical Industry Law No. 12378, committing us to an annual increase of up to 10 % in power supply for public service, and in order to cover part of the financial necessities of the aforesaid expansion program, we are now applying to the Bank for a new loan in the amount of US\$ 18 million, as supported by the enclosed technical and financial documentation.

To this effect, we are prepared to receive in Lima, as soon as you consider it convenient, an appraisal mission, to which we shall offer, as usual, all our cooperation for a proper evaluation of the project.

Our General Managing Director, Dr. Carlos Mariotti, who will personally deliver this letter, is at your disposal for any additional information that you may require.

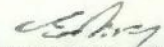
Trusting that our application will receive favourable consideration, we remain,

Very truly yours,

EMPRESAS ELECTRICAS ASOCIADAS
(Lima Light & Power Co.)



CARLOS MARIOTTI
GERENTE GENERAL



ENRIQUE PROU
GERENTE ADMINISTRATIVO

Enclosures: 2 sets of documents.

BO/ro

LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año del Sesquicentenario de la Independencia Nacional"

511 PE

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EMPRESAS ELECTRICAS ASOCIADAS

114112

Lima, Enero 15 de 1971

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Original to: *P.V. Proj*
Date: *1/21*
Communications
Section

LOAN 511 PE
Matucana Project

Muy señores nuestros:

Ref: Ampliación red 220/60 kV
Licitación Transformadores 220/60 kV

Hacemos referencia a nuestra carta Nr.109758 de fecha 15.9.70, en la cual solicitamos su aprobación para efectuar un pedido suplementario opcional de tres transformadores.

De acuerdo a la oferta de la Firma OCREN, que acabamos de recibir, el precio para los 3 transformadores adicionales asciende a Lit.107.100.000 fob respectivamente 114.300.000 Lit Q&F. Esta cotización representa un aumento de aprox. 10% con respecto al precio del pedido original ya colocado a OCREN.

Consideramos que este incremento se puede justificar si tomamos en cuenta la tabla comparativa que incluimos a nuestra carta arriba mencionada, de la misma que se puede comprobar que aún con este mayor precio, el costo de los 3 transformadores adicionales resulta más bajo que el del próximo competidor, la Firma Brown Boveri, cuya oferta en su tiempo era superior con 14%.

En base a lo expuesto confiamos nos darán su aprobación para colocar la orden adicional de los 3 transformadores a la Firma OCREN, de acuerdo a la oferta adjunta que tiene validez hasta el 17 de Febrero de 1971.

Quedamos pendientes de su respuesta y anticipamos nuestras debidas gracias por su cooperación.

Les saludamos muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ENRIQUE BROU
GERENTE ADMINISTRATIVO

ALFREDO FINELLINI
GERENTE

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wts

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año del Sesquicentenario de la Independencia Nacional"

✓ Peru - Loan 511 PE.
Authorization

EMPRESAS ELECTRICAS ASOCIADAS

114159

Lima, January 14, 1971

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Att: Mr. Norman G. Jones
Chief, Disbursements Division
Treasurer's Department

Re: LOAN 511 PE
Matucana Power Project

Gentlemen:

We are pleased to inform you of the nomination in our
Company of two new Managers, i.e.:

Ing. Ricardo Tirado and

Ing. Frantisek Svojsik

and wish to ask you to include both of them in the list of our
officers duly authorized to sign documents in relation with the
Bank.

Therefore we are sending you herewith enclosing a list
with authenticated specimen signatures of the above mentioned Ma-
nagers.

Sincerely yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


ENRIQUE BROU
GERENTE ADMINISTRATIVO


ALFREDO GHISELLINI
GERENTE

1 Encl.

wtg

LIMA
LIGHT
AND
POWER
COMPANY

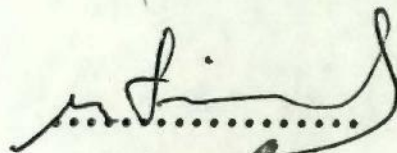
CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540037

EMPRESAS ELECTRICAS ASOCIADAS

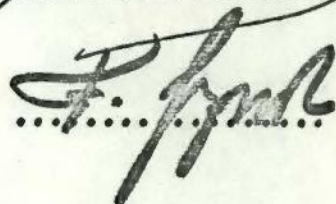
SIGNATURE LIST

Managers:

Ing. Ricardo Tirado

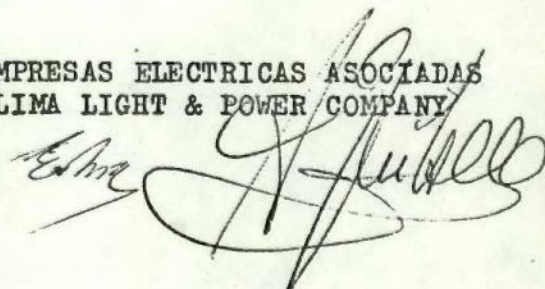

.....


Ing. Frantisek Svojsik


.....

Lima, January 14, 1971

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY



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511 PE
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Loan 511-PE

January 18, 1971

Empresas Electricas Asociadas
Casilla 1384
Lima, Peru

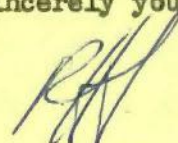
Dear Sirs:

Re: Loan 511-PE - Construction Equipment

We acknowledge your letters of December 28 and 29, 1970, numbers 113618, 113619 and 113620 with which you sent us the analysis of bids and recommendation for the award of contracts for various items of construction equipment.

Because of the urgent need for this equipment you state that you invited bids from selected firms. Since this practice is contrary to the Bank's guidelines for procurement and since no previous request was made to us for a waiver of the procurement procedure, we regret that we cannot disburse for these contracts from loan funds. If you still wish us to finance this equipment you would have to reinstate bids along the lines of the Bank's guidelines observing the rules of international competitive bidding.

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Department Files
Chron. File

RVSear:pw

IBRD

CONTROL NO. PE-1-02, PE-1-03, PE-1-04

9

511 PE
②

Loan 511-PE

January 18, 1971

Empresas Electricas Asociadas
Casilla 1384
Lima, Peru

Dear Sirs:

Re: Loan 511-PE - Despatching Center
Power Line Carrier Equipment
Second Stage

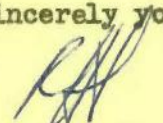
We hereby acknowledge your letter of December 31, 1970 Number 113715 with which you request our agreement to place an order for US\$90,000 equivalent with Brown Boveri for the next step of your telecommunications network extension by power line carrier.

In this connection we refer to our letter of December 29, 1970 which crossed your letter in the mail.

As you know, the Bank's procurement guidelines requires that you follow the procedures of international competitive bidding when procuring equipment. We would therefore appreciate it if you could give us detailed reasons why you feel that the same equipment used in the first stage of your Despatching Center should be repeated and why it would be disadvantageous to you on technical or economic grounds to invite new tenders internationally for the next and future expansions of the system.

We understand that much communications equipment has been standardized and is therefore interchangeable. On the other hand, the same may not be true for telemetering or telecommand equipment. Therefore, before reaching a decision on the requests in your letters of December 10, 1970 and December 31, 1970, we would appreciate receiving your reply to the above.

Sincerely yours,


Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Department Files
Chron. File

EV Sear: pww

IBRD

CONTROL NO. PE-1-05

9

511 PE
C

Loan 511-PE

January 18, 1971

Empresas Electricas Asociadas
Casilla 1384
Lima, Peru

Dear Sirs:

Re: Loan 511-PE - Construction Vehicles

We hereby acknowledge your letter of January 5, 1971 in which you request us to consider financing the purchase of construction vehicles in Peru because of the Government's ruling prohibiting the importation of such equipment. You further state that the equipment assembled in Peru by Government order can only be made by one assembly factory and must be sold at the price fixed by Government.

We regret to advise you that the Loan Agreement for Loan 511-PE does not permit disbursement for locally purchased goods even after international bidding and after allowing the tenderer a 15% preference. The circumstances you outline to us would in any case be completely counter to the Bank's guidelines for procurement and we must consequently decline to finance this purchase from loan funds.

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Department Files
Chron. File

RVSear:pw
IBRD
CONTROL NO. PE-1-06

9

511 PE
C

Loan 511-PE

January 18, 1971

Empresas Electricas Asociadas
Casilla 1384
Lima, Peru

Dear Sirs:

Re: Loan 511-PE - Substation Equipment

We hereby acknowledge your letter of December 29, 1970, Number 113752 in which you request our approval to increase the quantities of orders Nr.20027, Nr.20028 and Nr.20029 which were approved by us in January 1970, for various items of substation equipment.

The reasons given by you for wishing to do this are insufficient to show why you could not invite bids for the equipment according to the Bank's guidelines for procurement. Under the circumstances we have no alternative but to request you to follow the normal procurement procedures as agreed in the Loan Agreement.

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Department Files
Chron. File

RVSear:pw
IBRD
CONTROL NO. PE-1-01

97

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

Lima, 5 de Enero de 1971.

113787

CA-31218

Señores
International Bank for
Reconstruction & Development
1818 H Street, N. W.
Washington, D. C., 20433
U. S. A.

Date Rec'd. *Jan 13/71*
Date A.c.c.a. *Jan 18/71*
Assigned to *Shueh*

Muy señores nuestros:

Ref: Loan 511-PE- Proyecto Matucana - Adquisición de
vehículos.

Tenemos el agrado de dirigirles la presente con el fin de solicitar su autorización para adquirir cuatro camiones para el transporte de materiales, (dos unidades de plataforma, y dos unidades de volquete; de la capacidad aproximada de 15 toneladas) necesarios para nuestras obras, financiando con cargo al préstamo 511-PE, que tenemos suscrito con Uds., la correspondiente compra a la firma Volvo del Perú S. A.

El valor aproximado total de los vehículos es de S/ 4'000,000.00 (equivalente a \$ 100,000.00), y para su adquisición era nuestra intención llevar a cabo una licitación. Sin embargo, entre las disposiciones promocionales en favor de la industria peruana, el Gobierno ha dictado una, prohibiendo la importación de vehículos de las características de los que estamos necesitando, y, después de efectuar un concurso público entre las fábricas calificadas para ensamblar camiones, ha otorgado a una de ellas la buen na-pro" correspondiente, eligiéndola como única ensambladora del país, en lo tocante a camiones y similares. Esta situación conlleva la obligación de la fábrica seleccionada a efectuar la venta de sus productos a los precios previamente fijados por el Gobierno.

En tales circunstancias, la sola posibilidad a nuestro alcance, es adquirir los vehículos a la única ensambladora autorizada, al precio determinado por las autoridades oficiales.

//...

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

pg 2 pg

Estamos seguros poder contar con su conformi-
dad, en vista de los motivos antes expuestos, y quedamos a la espera de
sus noticias.

Agradeciéndoles la atención que les merezca la
presente, nos es propicia la ocasión para reiterarnos de Uds., muy aten-
tamente.

EMPRESAS ELECTRICAS ASOCIADAS

LDL/np.



RICARDO TIRADO
GERENTE



ENRIQUE BROU
GERENTE ADMINISTRATIVO

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 251
LIMA - PERU
TELEFONO 275200
CASILLA 1384
CABLES ASOCIADAS
TELEX: LIGHT 3540057

511 PE
AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU

EMPRESAS ELECTRICAS ASOCIADAS

113715

Lima, December 31, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. Jan 13/21

Date Ack'd. 1/18/71

Assigned to Schubert

LOAN 511-PE

Re: Despatching Center
Power line carrier equipment
Second stage

PE-1-05

Dear Sirs:

We refer to our letter 113147 dated December 10, 1970 informing you that we are willing to start with the second stage of the Dispatching Center.

As a next step towards this second stage we enclose herewith an offer from Brown Boveri & Co., Baden/Switzerland, covering the equipment involved for the extension of our telecommunication network by Power Line Carrier, for the total amount of SFr. 385.800,- (fob) excluding erection and commissioning. (network confirmation see drawing 0-3-354).

A price comparison between the original BBC-Offer (early 1968) and the actual one gives an average price increase of 15%. We estimate this increase is justified, there for we ask you to give us the authorization to place the order as specified on attached offer with

Brown Boveri & Co. Ltd., Baden/Switzerland

for the total amount of SFr. 385.800,- (fob), equivalent to aprox. US\$. 90.000,- (1 US\$ = 4,30 SFr.).

Awaiting your approval, we remain,

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ENRIQUE DROU
GERENTE ADMINISTRATIVO

ALFREDO GHIBELLINI
GERENTE

Enclosures:

1 copy BBC-offer Ref. No. ENG/2350-Hul
1 drawing D-3-354

MF/wts

Via BB Lima (Peru)

Brown, Boveri & Company, Limited, Baden/Switzerland

Postal address: CH-5401 Baden

Telephone: 056 75 11 11

Telegrams:
BROWNBOVERI BADENSCHWEIZ

Telex: 52 921 bbc ch, 53 203 bbc ch

Please contact Lüscher

Dial direct 056 75 5331

Empresas Electricas Asociadas
Lima, Peru

Your ref.

-

Your letter dated

10.11.70

Our ref. (please quote)

ENG/2350-HUL/Ben

Date

10.12.70

Subject: Centro de Comunicaciones y Control
2 a. Etapa - Seccion 2 - Parte 6

Dear Sirs:

Referring to your letter of 10th November, 1970 and the bidding specification, we are sending you herewith the tender ENG/2350-HUL for the above-mentioned installation.

In accordance with Motor Columbus, Consulting Engineers, Baden, we have decided to offer you for Huampani and Santa Rosa (Items 203 and 253) the same "Supporting Structures" as in all the other stations instead of the required hanging type.

All other facilities are as specified in your tender document.

As you received with the previous tenders all the descriptions of the proposed equipment, we trust that you are now familiar with it and it is therefore not necessary to explain this again.

We hope our information will be of use to you and we remain,

Yours faithfully,

BROWN, BOVERI & COMPANY
Limited

**BROWN
BOVERI**

222826

Enclosures: (by air mail)

Tender ENG/2350-HUL

cc: BB Lima
MC Baden

W. B. Thibault



Brown, Boveri & Company Limited, Baden/Switzerland

Postal address: CH - 5401 Baden

Telegrams: BROWNBOWERI BADENSCHWEIZ

Telex: 52921 bbc ch, 53203 bbc ch

Telephone: 056 75 11 11

Tender

No. ENG/2350-HUL

Please contact: Lüscher

Dial direct 056 75 5331

Baden, - 10th December, 1970

For Empresas Electricas Asociadas, Lima, Peru

Regarding Power Line Carrier Equipment

Intended for Control and Communication Center E.E.A.
2nd Stage, Part 6

Prices (in Swiss Francs): The prices quoted are for delivery subject to the enclosed
sliding price formula
and are based on the conditions of sale quoted below

Packing Seaworthy included

Freight FOB North European Port

Insurance not included

Duty and not included
Consular fees

Erection not included

Setting to work not included

Time of delivery Approx. 12 months after receipt of order and
clarification of all technical and commercial
details:

Terms of payment See Page 2
(As per fundamental order)

This tender contains 2/33 pages

Our General Conditions of Supply given hereafter form an integral part of this tender. They are binding in all respects unless otherwise expressly agreed upon in writing. Special conditions of the purchaser which are contrary to these General Conditions of Supply are valid only if we have accepted such special conditions in writing.

General Conditions of Supply

1. Tenders

- 1.1. Tenders which do not stipulate an acceptance date are not binding.

2. Conclusion of contract

- 2.1. The contract is deemed concluded when, on receipt of an order, we confirm its acceptance in writing. Verbal agreements are valid only if they are confirmed in writing.

3. Scope and execution of contract

- 3.1. The scope and execution of the contract shall be as specified in our Confirmation of Order. Material or work not referred to therein shall be charged separately.

4. Technical documents

- 4.1. Technical documents, such as drawings, descriptions, illustrations and the like, and all weight data, shall serve as an approximate indication only, provided they have not expressly been specified as binding. We reserve the right to make any alterations considered necessary.
- 4.2. Technical documents are to be treated in confidence by the purchaser. They remain our exclusive property and may be neither copied nor reproduced nor communicated to a third party in any way whatever nor used for the construction of the goods or parts thereof. They may be used for operation and maintenance.
- 4.3. All documents submitted with tenders which do not result in an order shall be returned to us on request.

5. Regulations in force at destination

- 5.1. The purchaser must inform us of all laws, governmental and other regulations, which must be observed during the execution of the contract.

6. Price

- 6.1. Our prices are net ex works, excluding packing, in freely available Swiss francs, without any deductions whatsoever. All additional costs, such as charges for packing, carriage, insurance, fees for export, transit, import and other permits and certifications shall be borne by the purchaser. He is also liable for all kinds of taxes, fees, customs duties and other charges.
If we have included in our offer or contract price or indicated in our offer or confirmation of order the charges for packing, carriage, insurance and other additional costs, we reserve the right to adjust our prices should the tariffs, on which they are based, be modified.
- 6.2. Price adjustments after conclusion of the contract are made provided that:
 - sliding prices have been agreed;
 - the delivery time is subsequently extended for one of the reasons stated in Section 9.2;
 - the extent of the agreed delivery or work involved has been changed, or
 - the goods or execution have been changed because the information submitted to us by the purchaser did not correspond to the actual circumstances or was incomplete.

7. Terms of payment

- 7.1. Payments shall be made in Baden by the purchaser with no deductions for cash discount, expenses, taxes or dues of any kind, in accordance with the conditions stated in the confirmation or order. Payment is deemed effected when Swiss francs have been made freely available to us in Switzerland.
If partial consignments are invoiced, payment shall be made for each individual consignment in accordance with the agreed terms of payment.
- 7.2. The due dates of payment shall also be observed if transport, delivery, erection, commissioning or acceptance of the goods is delayed or prevented by circumstances beyond our control. The purchaser shall not withhold or reduce payments on account of complaints, claims or counterclaims not accepted by us. Payment shall also be made if unimportant parts are missing, which do not prevent the goods from being used, or if subsequent work on the goods is found to be necessary.
- 7.3. If the purchaser does not observe the agreed due dates of payment he shall without formal notice be liable to pay interest on overdue amounts from the due date, at a rate depending on the usual interest rate prevailing at the purchaser's domicile but exceeding the rate of discount of the Swiss National Bank, valid at that time, by at least 4 per cent, provided that a higher rate of interest has not been agreed. Payment of such interest does not release the purchaser from his obligation to make payments on the agreed dates.

8. Property right

- 8.1. The goods supplied by us remain our property until full payment has been received. The purchaser undertakes to cooperate in taking any measures necessary for the protection of our property.

9. Delivery time

- 9.1. The delivery time commences as soon as the contract has been concluded, all official formalities, such as import and payment permits, have been obtained, payments due with the order have been made, any agreed securities furnished and the essential technical points have been settled. The delivery time shall be deemed duly observed if the goods are ready in the works by that time.
- 9.2. The delivery time shall be reasonably extended:
 - a) if the information required by us to execute the order is not received in time or if subsequent changes which delay delivery are made by the purchaser;
 - b) if hindrances occur which, despite our due care, we cannot avoid, such as epidemics, mobilization, war, riots, strikes, picketing, lock-outs, serious breakdowns, accidents, labour conflicts, delayed or deficient delivery of necessary raw materials or semi-manufactured and manufactured products, the need to scrap important components, official or other measures of whatever kind, transport difficulties, natural catastrophes and acts of God;
 - c) if the purchaser is behind schedule with the work he has to carry out, or late in fulfilling his contractual obligations, in particular if he fails to observe the terms of payment.
- 9.3. The payment of liquidated damages for late delivery can only be imposed when it has been expressly agreed upon in writing and when it can be proved that the delay is our fault and as far as the purchaser can show that he has suffered a loss due to late delivery. Should we, however, put a replacement at the purchaser's disposal, liquidated damages cannot be imposed.
- 9.4. The payment of liquidated damages for late delivery, if such have been agreed upon, shall for each full week's delay not exceed 1/4 per cent, and in total not exceed 5 per cent of the sales price ex works of the delayed part of the goods (i.e. excluding all expenses for packing, customs duties, dues of all kinds, erection, etc.). In case the delivery time exceeds 6 months the purchaser has no claim to impose any liquidated damages for the first two weeks' delay.

10. Testing and acceptance of goods

- 10.1. Testing of the goods before shipment is carried out in accordance with our test procedures and at our cost. Additional tests shall be agreed specifically on conclusion of the contract and shall be charged to the purchaser.
- 10.2. The purchaser shall examine the goods within a reasonable time and inform us immediately in writing of all defects and deficiencies for which we are responsible according to our contractual obligations. If the purchaser omits to do this, the goods shall be deemed to have been accepted.
- 10.3. Acceptance tests are carried out only if they have been agreed in writing with the purchaser. As far as circumstances allow, such tests will be carried out in our factory. If, for reasons beyond our control, the acceptance tests cannot be carried out within the specified time, the qualities to be determined by these tests shall be deemed proved.
- 10.4. If it is found from one of the afore-mentioned tests that the goods do not fulfil the terms of the contract, the purchaser shall without delay make available to us suitable opportunity to remedy any deficiency.
- 10.5. The purchaser shall have no other rights in case of deficient delivery, in particular to claim damages and to cancel the contract.

11. Packing

- 11.1. Packing shall be charged separately and is not returnable. However, if it is declared the supplier's property, it shall be returned carriage paid.

12. Transfer of use and passing of risk

- 12.1. The benefit and the risk of the goods involved are transferred to the purchaser not later than the date of their leaving the supplier's works, even if delivery is carriage paid, cif, fob or under similar clauses, or includes erection, or if transport is arranged and supervised by us. If dispatch is delayed or prevented by circumstances beyond our control, the goods will be stored at the purchaser's expense and risk.

13. Transport and insurance

- 13.1. Special requests concerning forwarding and insurance must be made known to us in due course. The goods are transported at the purchaser's expense and risk. Complaints regarding transport shall be submitted by the purchaser to the last carrier immediately on receipt of the goods or the shipping documents.
- 13.2. It is up to the purchaser to take out insurance against damage of any kind. Even if insurance cover is arranged by us, it shall be taken out on behalf of the purchaser and at his expense and risk.

14. Erection

- 14.1. If we also undertake erection of the goods, our General Conditions of Erection shall apply.

15. Guarantee

- 15.1. During the guarantee period we undertake upon written request of the purchaser to repair or replace at our discretion and as soon as possible any parts of the goods delivered which can be proved to be damaged or unfit due to bad material, faulty design or poor workmanship. Replaced parts shall become our property.
- 15.2. We shall bear the costs only of repairing or replacing the defective parts in our factory. If, for reasons beyond our control, such parts cannot be repaired or replaced in our factory, all additional costs arising therefrom shall be borne by the purchaser.
- 15.3. The purchaser shall have no other rights in case of deficiencies in the goods delivered, in particular claims for damages and cancellation of the contract.
- 15.4. The guarantee period is 12 months or 6 months in the case of 24-hours operation. It begins when the goods are ready for dispatch or, if we undertake erection, when it is completed.
If dispatch, erection or commissioning are delayed for reasons beyond our control, the guarantee period shall end not later than 18 months after the goods are ready for dispatch.
- 15.5. For replaced parts the guarantee period begins anew. It ends not later than 24 months after the beginning of the guarantee period for the main goods or, if dispatch, erection or commissioning are delayed for reasons beyond our control, not later than 30 months after the main goods are ready for dispatch.
- 15.6. The guarantee does not cover damages resulting from normal wear and tear, improper maintenance, failure to observe the operating instructions, incorrect operation, excessive loading, the use of unsuitable material, the influence of chemical or electrolytic action, water which is contaminated, contains sand or is liable to form deposits, from corrosion, erosion, cavitation and such like, unsatisfactory foundation, building or erection work not undertaken by us and other reasons beyond our control.
- 15.7. The guarantee expires if the purchaser or a third party undertakes alterations or repairs to the goods without our written consent, or if the purchaser does not immediately take appropriate steps to prevent any damage from becoming more serious and to enable us to rectify the defect.
- 15.8. If on expiry of the guarantee period the purchaser has made no specific written claims under the terms of the guarantee, we are released from our guarantee obligations.
- 15.9. We accept liability for goods supplied by subcontractors only to the extent of their guarantee obligations.

16. Liability

- 16.1. We undertake to carry out the order in accordance with the terms of the contract and to fulfil our guarantee obligations. We shall not be liable to the purchaser for any further claims.

17. Place of performance

- 17.1. The place of performance is Baden both for us and for the purchaser, even if delivery is made carriage paid, cif, fob or under similar clauses. If we also undertake erection, the place of erection shall be deemed the place of performance only in respect of our erection obligations.

18. Jurisdiction and law applicable

- 18.1. The court of jurisdiction is in Baden both for us and for the purchaser. However, we also reserve the right to appeal to the competent court in the purchaser's country.
- 18.2. The contract shall be governed by Swiss law.

19. Validity

- 19.1. These General Conditions of Supply are valid in all respects not otherwise settled by mutual written agreement. Special conditions stipulated by the purchaser are not valid.



Item	Qty	Specification	Weight about kg	Price in Swiss Fr.
<u>PRICE SUMMARY</u>				
		<u>Station Santa Rosa</u> direction San Juan Items 1 - 41		74'050,-
		<u>Station San Juan</u> direction Sta. Rosa Items 51 - 91		74'050,-
		<u>Station San Juan</u> direction Balnearios Items 101 - 141		74'050,-
		<u>Station Balnearios</u> direction San Juan Items 151 - 191		74'050,-
		<u>Station Huampani</u> direction Sta. Rosa Items 201 - 241		39'630,-
		<u>Station Santa Rosa</u> direction Huampani Items 251 - 291		49'970,-
Total Tender Price				<u>385'800,-</u>



Item	Qty	Specification	Weight about kg	Price in Swiss Fr.
		<p style="text-align: center;"><u>TERMS OF PAYMENT</u></p> <p>The Terms of Payment shall be as follows:</p> <p>25% with the order</p> <p>40% against presentation of shipping documents in Switzerland for each individual shipment. These instalments become due not later than three months after notification that the goods are ready for shipment, even where dispatch cannot take place for reasons beyond the Contractor's reasonable control.</p> <p>35% against the following documents:</p> <ul style="list-style-type: none">- provisional acceptance certificate for each portion of the plant- a bank guarantee amounting to 10% of the contract value and valid throughout the guarantee period.		

Sliding-Price formula

for high-frequency and telecommunication equipment

$$P = P_o \left(0,30 + 0,70 \frac{L_m}{L_o} \right)$$

P = Final selling price

P_o = Selling price

L_o = Wage index

} on the date of our tender

L_m = Arithmetic mean of the wage indices during the second half of the delivery time.

The wage index is determined quarterly by the "Association patronale suisse des constructeurs de machines et industriels en métallurgie", Zurich. (7.3.66)

EMPRESAS ELECTRICAS ASOCIADAS
Lima-Peru

CONTROL AND COMMUNICATION CENTER EE.EE.AA.

2nd. STAGE

Draft of order for the HF Coupling Device
Power line Carrier Equipment Intertripping
channel

PART 6

Employer: EMPRESAS ELECTRICAS ASOCIADAS
Lima - Peru

Contractor: BROWN BOVERI & Co. LTD.
Baden - Switzerland

TENDER NO. ENG/2350-HUL

Lima, October 1970

Baden, 10th December 1970

Specification

Station: Santa Rosa
 Direction: San Juan

Item	Qty	Description of Material	Price in SFr, FOB
1	2	<u>HF Wave Traps</u> 220 kV power line, direction San Juan Intersystem coupling Frequency: 60 Hz Nominal current: 1000 A Thermal short circuit current rating for 1 s: 25 KA (rms) Rated peak short circuit current: 64 kAp Inductance: 0.2 mH Band tuning: 230-490 kHz Impedance within the band: $\geq 600 \Omega$ Dimension drawing: T-376441 Comprising: Tuning pot DT 70 Lightning arrester HCF 2.3 Mounting material	13'880,-
2	2	<u>Coupling Capacitors</u> 220 kV power line, direction San Juan Type: KGP 362 R 3 Manufacturers: Micafil SA, Zurich Nominal voltage: 220 kV. Frequency: 60 Hz Max. permissible operating voltage: 245 kV Capacity: 2700 pF	27'760,-

Item	Qty	Description of Material	Price in SFr, FOB
		Dimension drawing: 3 Cm 4509 with built-in - Line matching unit, version "A" and "B" Frequency range: 250-450 kHz Insulation voltage: 10 kV in addition with built-in - Protective device, comprising Resorbit lighting arrester Ground choke coil Grounding switch	
3	2	<u>Supporting Structures</u> for coupling capacitor Type: KGP 362 R 3 Hot-dip galvanized This unit has to be manufactured at Peru.	3'120,-
4	1	<u>Single Sideband Carrier Set, Type ETBA</u> Transistorized single channel unit Direction: San Juan Carrier frequencies: <ul style="list-style-type: none"> - Transmitter 428 kHz - receiver 424 kHz - band width 4 kHz Power supply: Station battery 48 V DC Output HF power: 15 W (sideband power) Comprising of:	
5	1	<u>Steel Cabinet E 35 C</u> with built-in tier block B1-B5 Completely wired and connected to strip terminals at the rear	

Item	Qty	Description of Material	Price in SFr, FOB
		Paint finish: Hammer dimple gray enamel	
6	1	<u>Standard Set of Printed Circuits</u> for ETBA	
7	1	HF hybrid P3B1	
8	1	Protection unit O5BD, 48 V-	
9	1	Supervision unit P3BLa	
10	1	Mixer O3BD	
11	1	Mixer O3BC	
12	1	Output amplifier O3BG for superimposed signals	
13	1	Compressor O3BH	
14	1	Expander O3BM	
15	1	Transmitter-receiver Speech low-pass filter E3BR Frequency 2000 Hz	
16	1	AF Hybrid O3BK	
17	1	Test oscillator O3BP	
18	1	Set of spares 10 pieces of each type of fuses and lamps	
19	1	Alarm circuit for internal fault signalling Engraving: FALLA EN EQUIPO AF Voltage 48 V-	

Item	Qty	Description of Material	Price in SFr, FOB
20	1	Microtel 4-wire, plug-in type	
21	1	DC telephone bell mounted inside of the cabinet Voltage 48 V-	
22	1	Protecting grid (fixed on the bottom of the cabinet)	
		Subtotal of Items 4 to 22	21'200,-
23	1	Test instrument I9AA	540,-
24	1	<u>Audio Frequency Intertripping Unit</u> Type: NFD + PAD AF coupler for protection relaying and intertripping of the 220 kV line direc tion San Juan Transmission over BBC single side band carrier equipment type ETBA, item 4 Distance relaying panel type: Power supply: Battery 48 V DC positive pole grounded Battery 120 V DC earth free Frequency: 3360 \pm 50 Hz Input and output circuit shall be balanced Comprising of:	
25	1	Tier block (4units) containing the following printed circuit and plug-in parts:	

Item	Qty	Description of Material	Price in SFr, FOB
26	1	Control and alarm unit G5AF	
27	1	Transmitter filter E5AB	
28	1	Monitoring G2AB	
29	1	Transmitter G2AW	
30	1	Relay G2AO	
31	1	Receiver filter E5AA	
32	1	Preamplifier G2AG	
33	1	Guard channel G2AN	
34	1	Operating channel G2AF	
35	1	F-contactor unit G5AG	
36	1	Test and interconnection unit G5AL	
37	1	Test and interconnection unit G5AK	
38	1	Tier block (3 units) for supplying of the intertripping unit, comprising:	
39	1	Voltage regulator B3BS	
40	1	Voltage regulator B3BT	

The tier blocks (items 25 and 38)
containing all necessary printed circuits
for intertripping application have to be
installed into the SSB carrier equipment

Item	Qty	Description of Material	Price in SFr, FOB
		cabinet item 5 and completely wired and connected to strip terminals and screw terminal blocks at the rear.	
41	1	Set of spares	
42-50		Remain open	
		Subtotal of Items 24 to 41	<u>7'550,-</u>

Station: San Juan
 Direction: Sta. Rosa

Item	Qty	Description of Material	Price in SFr, FOB
51	2	<u>HF Wave Traps</u> 220 kV power line, direction Sta. Rosa Intersystem coupling Frequency: 60 Hz Nominal current: 1000 A Thermal short circuit current rating for 1 s: 25 kA (rms) Rated peak short circuit current: 64 kAp Inductance: 0.2 mH Band tuning: 230-490 kHz Impedance within the band: $\geq 600 \Omega$ Dimensión drawing: T-376441 Comprising: Tuning pot DT 70 Lightning arrester HCF 2.3 Mounting material	13'880,-
52	2	<u>Coupling Capacitors</u> 220 kV power line, direction Sta. Rosa Type: KGP 362 R 3 Manufacturer: Micafil SA, Zurich Nominal voltage: 220 kV Frequency: 60 Hz Max. permissible opera- ting voltage: 245 kV Capacity: 2700 pF Dimension drawing: 3 Cm 4509 with built-in - Line matching unit, version "A" and "B" Frequency range: 250-450 kHz Insulation voltage: 10 kV	27'760,-

Item	Qty	Description of Material	Price in SFr, FOB
		in addition with built-in	
		- Protective device, comprising	
		Resorbit lighting arrester	
		Ground choke coil	
		Grounding switch	
53	2	<u>Supporting Structures</u> for coupling capacitor Type: KGP 362 R 3 Hot-dip galvanized This unit has to be manufactured at Peru	3'120,-
54	1	<u>Single Sideband Carrier Set, Type ETBA</u> transistorized single channel unit Direction: Sta. Rosa Carrier frequencies: - transmitter 424 kHz - receiver 428 kHz - band width 4 kHz Power supply: Station battery 48 V DC positive pole grounded Output HF power: 15 W (sideband power) Comprising of:	
55	1	<u>Steel Cabinet E 35 C</u> with built-in tier block B1-B5 Completely wired and connected to strip terminals at the rear Paint finish: Hammer dimple gray enamel	
56	1	<u>Standard Set of Printed Circuits for ETBA</u>	
57	1	HF hybrid P3B1	

Item	Qty	Description of Material	Price in SFr, FOB
58	1	Protection unit 05BD, 48 V-	
59	1	Supervision unit P3BLa	
60	1	Mixer 03BD	
61	1	Mixer 03BC	
62	1	Output amplifier 03BG for superimposed signals	
63	1	Compressor 03BH	
64	1	Expander 03BM	
65	1	Transmitter-receiver Speech low-pass filter E3BR Frequency 2000 Hz	
66	1	AF hybrid 03BK	
67	1	Test oscillator 03BP	
68	1	Set of spares 10 pieces of each type of fuses and lamps	
69	1	Alarm circuit for internal fault signalling Engraving: FALLA EN EQUIPO AF Voltage 48 V-	
70	1	Microtel 4-wire, plug-in type	

Item	Qty	Description of Material	Price in SFr, FOB
71	1	DC telephone bell mounted inside of the cabinet Voltage 48 V-	
72	1	Protecting grid (fixed on the bottom of the cabinet)	
Subtotal of Items 55 to 72			21'200,-
73	1	Test instrument I9AA	540,-
74	1	<u>Audio Frequency Intertripping Unit</u> Type: NFD + PAD AF coupler for protection relaying and intertripping of the 220 kV line direc tion Santa Rosa Transmission over BBC single side band carrier equipment type ETBA, item 44 Distance relaying panel type: Power supply: Battery 48 V DC positive pole groun ded Battery 120 V DC earth free Frequency: 3360 \pm 50 Hz Input and output circuit shall be balanced. Comprising of:	
75	1	Tier block (4 units) containing the following printed circuits and plug-in parts:	
76	1	Control and alarm unit G5AF	
77	1	Transmitter filter E5AB	

Item	Qty	Description of Material	Price in SFr, FOB
78	1	Monitoring G2AB	
79	1	Transmitter G2AW	
80	1	Relay G2AO	
81	1	Receiver filter E5AA	
82	1	Preamplifier G2AG	
83	1	Guard channel G2AN	
84	1	Operating channel G2AF	
85	1	F-contactor unit G5AG	
86	1	Test and interconnection unit G5AL	
87	1	Test and interconnection unit G5AK	
88	1	Tier block (3units) for supplying of the intertripping unit, comprising:	
89	1	Voltage regulator B3BS	
90	1	Voltage regulator B3BT	

The tier blocks (items 75 and 88) containing all necessary printed circuits for intertripping application have to be installed into the SSB carrier equipment cabinet item 55 and completely wired and connected to strip terminals and screw terminal blocks at the rear.

Item	Qty.	Description of Material	Price in SFr, FOB
91	1	Set of spares	
Subtotal of Items 74 to 91			<u>7'550,-</u>
92-100		Remain open	

Station: San Juan
Direction: Balnearios

- 14

Item	Qty	Description of Material	Price in SFr, FOB
101	2	<u>HF Wave Traps</u> 220 kV power line, direction Balnearios Intersystem coupling Frequency: 60 Hz Nominal current: 1000 A Thermal short circuit current rating for 1 s: 25 kA (rms) Rated peak short cir- cuit current: 64 kAp Inductance: 0.2 mH Band tuning: 230-490 kHz Impedance within the band: $\geq 600 \Omega$ Dimension drawing: T-376441 Comprising: Tuning pot DT 70 Lightning arrester HCF 2.3 Mounting material	13'880,-
102	2	<u>Coupling Capacitors</u> 220 kV power line, direction Balnearios Type: KGP 362 R 3 Manufacturer: Micafil SA, Zurich Nominal voltage: 220 kV Frequency: 60 Hz Max. permissible operat- ing voltage: 245 kV Capacity: 2700 pF Dimension drawing: 3 Cm 4509 with built-in - Line matching unit, version "A" and "B" Frequency range: 250-450 kHz Insulation voltage: 10 kV	27'760,-

Item	Qty	Description of Material	Price in SFr, FOB
		in addition with built-in - Protective device, comprising Resorbit lighting arrester Ground choke coil Grounding switch	
103	2	<u>Supporting Structures</u> for coupling capacitor Type: KGP 362 R 3 Hot-dip galvanized This unit has to be manufactured at Peru.	3'120,-
104	1	<u>Single Sideband Carried Set, Type ETBA</u> transistorized single channel unit Direction: Balnearios Carrier frequencies: - transmitter 416 kHz - receiver 412 kHz - band width 4 kHz Power supply: Station battery 48 V DC positive pole grounded Output HF power: 15 W (sideband power) Comprising of:	
105	1	<u>Steel Cabinet E 35 C</u> with built-in tier block B1-B5 Completely wired and connected to strip terminals at the rear Paint finish: Hammer dimple gray enamel	
106	1	<u>Standard Set of Printed Circuits for ETBA</u>	
107	1	HF hybrid P3B1	
108	1	Protection unit O5BD, 48 V=	

Item	Qty	Description of Material	Price in SFr, FOB
109	1	Supervision unit P3BLa	
110	1	Mixer 03BD	
111	1	Mixer 03BC	
112	1	Output amplifier 03BG for superimposed signals	
113	1	Compressor 03BH	
114	1	Expander 03BM	
115	1	Transmitter-receiver Speech low-pass filter E3BR Frequency 2000 Hz	
116	1	AF hybrid 03BK	
117	1	Test oscillator 03BP	
118	1	Set of spares 10 pieces of each type of fuses and lamps	
119	1	Alarm circuit for internal fault signalling Engraving: FALLA EN EQUIPO AF Voltage 48 V=	
120	1	Microtel 4-wire, plug-in type	
121	1	DC telephone bell mounted inside of the cabinet Voltage 48 V=	

Item	Qty	Description of Material	Price in SFr, FOB
122	1	Protecting grid (fixed on the bottom of the cabinet)	
		Subtotal of Items 105 to 122	21'200,-
123	1	Test instrument I9AA	540,-
124	1	<u>Audio Frequency Intertripping Unit</u> Type: NFD + PAD AF coupler for protection relaying and intertripping of the 220 kV line direc tion Balnearios Transmission over BBC single side band carrier equipment type ETBA, item 104 Distance relaying panel types: Power supply: Battery 48 V. DC positive pole groun ded Battery 120 V DC earth free Frequency: 3360 \pm 50 Hz Input and output circuit shall be balanced. Comprising of:	
125	1	Tier block (4 units) containing the following printed circuits and plug-in parts:	
126	1	Control and alarm unit G5AF	
127	1	Transmitter filter E5AB	
128	1	Monitoring G2AB	
129	1	Transmitter G2AW	

Item	Qty	Description of Material	Price in SFr, FOB
130	1	Relay G2A0	
131	1	Receiver filter E5AA	
132	1	Preamplifier G2AG	
133	1	Guard channel G2AN	
134	1	Operating channel G2AF	
135	1	F-contactor unit G5AG	
136	1	Test and interconnection unit G5AL	
137	1	Test and interconnection unit G5AK	
138	1	Tier block (3 units) for supplying of the intertripping unit, comprising:	
139	1	Voltage regulator B3BS	
140	1	Voltage regulator B3BT	
		The tier blocks (item 125 and 138) containing all necessary printed circuits for intertripping application have to be installed into the SSB carrier equipment cabinet item 105 and completely wired and connected to strip terminals and screw terminal blocks at the rear.	
141	1	Set of spares	
		Subtotal of Items 124 to 141	7'550,-
142-150		Remain open	

Station: Balnearios

- 19

Direction: San Juan

Item	Qty	Description of Material	Price in SFr, FOB
151	2	<u>HF Wave Traps</u> 220 kV power line, direction San Juan Intersystem coupling Frequency: 60 Hz Nominal current: 1000 A Thermal short circuit current rating for 1 s: 25 KA (rms) Rated peak short circuit current: 64 kAp Inductance: 0.2 mH Band tuning: 230-490 kHz Impedance within the band: $\geq 600 \Omega$ Dimension drawing: T-376441 Comprising: Tuning pot DT 70 Lightning arrester HCF 2.3 Mounting material	13'880,-
152	2	<u>Coupling Capacitors</u> 220 kV power line, direction San Juan Type: KGP 362 R 3 Manufacturer: Micafil SA, Zurich Nominal voltage: 220 kV Frequency: 60 Hz Max. permissible operating voltage: 245 kV Capacity: 2700 pF Dimension drawing: 3 cm 4509 with built-in - Line matching unit, version "A" and "B" Frequency range: 250-450 kHz Insulation voltage: 10 kV	27'760,-

Item	Qty	Description of Material	Price in SFr, FOB
		in addition with built-in	
		- Protective device, comprising	
		Resorbit lighting arrester	
		Ground choke coil	
		Grounding switch	
153	2	<u>Supporting Structures</u> for coupling capacitor Type: KGP 362 R 3 Hot-dip galvanized This unit has to be manufactured at Perp .	3'120,-
154	1	<u>Single Sideband Carrier Set, Type ETBA</u> transistorized single channel unit Direction: San Juan Carrier frequencies: - transmitter 412 kHz - receiver 416 kHz - band width 4 kHz Power supply: Station battery 48 V DC positive pole grounded Output HF power: 15 W (sideband power) Comprising of:	
155	1	<u>Steel Cabinet E 35 C</u> with built-in tier block B1-B5 Completely wired and connected to strip terminals at the rear Paint finish: Hammer dimple gray enamel	
156	1	<u>Standard Set of Printed Circuits for ETBA</u>	
157	1	HF hybrid P3B1	
158	1	Protection unit O5BD, 48 V-	

Item	Qty	Description of Material	Price in SFr, FOB
159	1	Supervision unit P3BLa	
160	1	Mixer 03BD	
161	1	Mixer 03BG	
162	1	Output amplifier 03BG for superimposed signals	
163	1	Compressor 03BH	
164	1	Expander 03BM	
165	1	Transmitter-receiver Speech low-pass filter E3BR Frequency 2000 Hz	
166	1	AF hybrid 03BK	
167	1	Test oscillator 03BP	
168	1	Set of spares 10 pieces of each type of fuses and lamps	
169	1	Alarm circuit for internal fault signalling Engraving: FALLA EN EQUIPO AF Voltage 48 V-	
170	1	Microtel 4-wire, plug-in type	
171	1	DC telephone bell mounted inside of the cabinet Voltage 48 V-	
172	1	Protecting grid (fixed on the bottom of the cabinet)	
		Subtotal of Items 154 to 172	21'200,-
173	1	Test instrument I9AA	540,-
174	1	<u>Audio Frequency Intertripping Unit</u> Type: NFD + PAD AF coupler for protection relaying and	

Item	Qty	Description of Material	Price in SFr, FOB
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intertripping of the 220 kV line direc-
tion San Juan

Transmission over BBC single side band
carrier equipment type ETBA, item 154

Distance relaying panel

type:

Power supply:

Battery 48 V DC

positive pole grounded

Battery 120 V DC

earth free

Frequency:

3360 \pm 50 Hz

Input and output circuit shall be balanced.

Comprising of:

175	1	Tier block (4 units) containing the following printed circuits and plug-in parts:	
176	1	Control and alarm unit	G5AF
177	1	Transmitter filter	E5AB
178	1	Monitoring	G2AB
179	1	Transmitter	G2AW
180	1	Relay	G2AD
181	1	Receiver filter	E5AA
182	1	Preamplifier	G2AG
183	1	Guard channel	G2AN
184	1	Operating channel	G2AF
185	1	F-contactor unit	G5AG
186	1	Test and interconnection unit	G5AL
187	1	Test and interconnection unit	G5AK
188	1	Tier block (3 units) for supplying of the intertripping unit, comprising:	

Item	Qty	Description of Material	Price in SFr, FOB
189	1	Voltage regulator B3BS	
190	1	Voltage regulator B3BT	
		The tier blocks (items 175 and 188) containing all necessary printed circuits for intertripping application have to be installed into the SSB carrier equipment cabinet item 155 and completely wired and connected to strip terminals and screw terminal blocks at the rear.	
191	1	Set of spares	
		Subtotal of Items 174 to 191	7'550,-
192-200		Remain open	

Station: Huampani (Actual condition see BGC Drawing F306 152
and 6-201233)

- 24

Direction: Sta. Rosa

Item Qty Description of Material Price in
SFr, FOB

201	1	<u>HF Wave Traps</u>	1'680,-
		60 kV power line, direction Sta. Rosa	
		Intersystem coupling	
		Frequency:	60 Hz
		Nominal current:	250 A
		Thermal short circuit	
		current rating for 1 s:	5 kA (rms)
		Rated peak short cir-	
		cuit current:	12.8 kA
		Inductance:	0.2 mH
		Band tuning:	230-490 kHz
		Impedance within the	
		band:	$\geq 600 \Omega$
		Dimension drawing:	T-376421
		Comprising:	Tuning pot DT 70
			Lightning arrester
			HCF 2.3
			Mounting material

202	1	<u>Coupling Capacitors</u>	7'100,-
		60 kV power line, direction Sta. Rosa	
		Type:	KGP-362-R-3KGN 100N3
		Manufacturer:	Micafil SA, Zurich
		Nominal voltage:	60 kV
		Frequency:	60 Hz
		Max. permissible operat-	
		ing voltage:	73 kV
		Capacity:	7100 pF
		Dimension drawing:	3 CM 4506
		with built-in	
		- Line matching unit, version "A" and "B"	
		Frequency range:	250-450 kHz
		Insulation voltage:	10 kV
		in addition with built-in	
		- Protective device, comprising	

Item	Qty	Description of Material	Price in SFr, FOB
203	1	<u>Supporting Structure</u> (Hanging-mount)	1'560,-
204	1	<u>Single Sideband Carrier Set, Type ETBA</u> transistorized single channel unit Direction: Sta. Rosa Carrier frequencies: - transmitter 200 kHz - receiver 204 kHz - band width 4 kHz Power supply: Station battery 48 V DC positive pole grounded Output HF power: 15 W (sideband power) Comprising of:	
205	1	<u>Steel Cabinet E 35 C</u> with built-in tier block B1-B5 Completely wired and connected to strip terminals at the rear Paint finish: Hammer dimple gray enamel	
206	1	<u>Standard Set of Printed Circuits</u> for ETBA	
207	1	HF hybrid P3B1	
208	1	Protection unit O5BD, 48 V=	
209	1	Supervision unit P3BLa	
210	1	Mixer O3BD	
211	1	Mixer O3BC	
212	1	Output amplifier O3BG for superimposed signals	
213	1	Compressor O3BH	

Item	Qty	Description of Material	Price in SFr, FOB
214	1	Expander 03BM	
215	1	Transmitter-receiver Speech low-pass filter E3BR Frequency 2000 Hz	
216	1	AF hybrid 03BK	
217	1	Test oscillator 03BP	
218	1	Set of spares 10 pieces of each type of fuses and lamps	
219	1	Alarm circuit for internal fault signalling Engraving: FALLA EN EQUIPO AF Voltage 48 V-	
220	1	Microtel 4-wire, plug-in type	
221	1	DC telephone bell mounted inside of the cabinet Voltage 48 V-	
222	1	Protecting grid (fixed on the bottom of the cabinet)	
Subtotal of Items 204 to 222			21'200,-
223	1	Test instrument I9AA	540,-
224	1	<u>Audio Frequency Intertripping Unit</u> Type: NFD + PAD AF coupler for protection relaying and intertripping of the 60 kV line direc- tion Sta. Rosa. Transmission over BBC single side band carrier equipment type ETBA, item 204 Distance relaying panel type:	

Item	Qty	Description of Material	Price in Fr, FOB
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Power supply:

Battery 48 V DC

positive pole grounded

Battery 120 V DC

earth free

Frequency:

3360 \pm 50 Hz

Input and output circuit shall be balanced.

Comprising of:

225	1	Tier block (4 units) containing the following printed circuits and plug-in parts:	
226	1	Control and alarm unit	G5AF
227	1	Transmitter filter	E5AB
228	1	Monitoring	G2AB
229	1	Transmitter	G2AW
230	1	Relay	G2AD
231	1	Receiver filter	E5AA
232	1	Preamplifier	G2AG
233	1	Guard channel	G2AN
234	1	Operating channel	G2AF
235	1	F-contactor unit	G5AG
236	1	Test and interconnection unit	G5AL
237	1	Test and interconnection unit	G5 AK
238	1	Tier block (3 units) for supplying of the intertripping unit, comprising:	
239	1	Voltage regulator	B3BS
240	1	Voltage regulator	B3BT

The tier blocks (items 225 and 238)

Item	Qty	Description of Material	Price in SFr, FOB
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containing all necessary printed circuits for intertripping application have to be installed into the SSB carrier equipment cabinet item 205 and completely wired and connected to strip terminals and screw terminal blocks at the rear.

241	1	Set of spares	
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Subtotal of Items 224 to 241

7'550,-

242-250		Remain open	
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Station: Sta. Rosa

- 29

Direction: Huampani

Item	Qty	Description of Material	Price in SFr, FOB
251	2	<p><u>HF Wave Traps</u></p> <p>60 kV power line, direction Huampani</p> <p>Intersystem coupling</p> <p>Frequency: 60 Hz</p> <p>Nominal current: 250 A</p> <p>Thermal short circuit current rating for 1 s: 5 kA (rms)</p> <p>Rated peak short circuit current: 12.8 kA</p> <p>Inductance: 0.2 mH</p> <p>Band tuning: 230-490 kHz</p> <p>Impedance within the band: $\geq 600 \Omega$</p> <p>Dimension drawing: T-376421</p> <p>Comprising: Tuning pot DT 70</p> <p>Lightning arrester HCF 2.3</p> <p>Mounting material</p>	3'360,-
252	2	<p><u>Coupling Capacitors</u></p> <p>220 kV power line, direction Huampani</p> <p>Type: EGP-362-R-3KGN 100N3</p> <p>Manufacturer: Micafil SA, Zurich</p> <p>Nominal voltage: 60 kV</p> <p>Frequency: 60 Hz</p> <p>Max. permissible operating voltage: 73 kV</p> <p>Capacity: 7100 pF</p> <p>Dimension drawing: 3 CM 4506</p> <p>with built-in</p> <p>- Line matching unit, version "A" and "B"</p> <p>Frequency range:</p> <p>Insulation voltage: 10 kV</p> <p>in addition with built-in</p> <p>- Protective device, comprising</p>	14'200,-

Item	Qty	Description of Material	Price in SFr, FOB
		Resorbit lighting arrester Ground choke coil Grounding switch	
253	2	Supporting Structures (Hanging-mount)	3'120,-
254	1	<u>Single Sideband Carrier Set, Type ETBA</u> transistorized single channel unit Direction: Huampani Carrier frequencies: - transmitter 204 kHz - receiver 200 kHz - band width 4 kHz Power supply: Station battery 48 V DC positive pole grounded Output HF power: 15 W (sideband power) Comprising of:	
255	1	<u>Steel Cabinet E 35 C</u> with built-in tier block B1-B5 Completely wired and connected to strip terminals at the rear Paint finish: Hammer dimple gray enamel	
256	1	<u>Standard Set of Printed Circuits for ETBA</u>	
257	1	HF hybrid P3B1	
258	1	Protection unit O5BD, 48 V-	
259	1	Supervision unit P3BLa	
260	1	Mixer O3BD	
261	1	Mixer O3BC	
262	1	Output amplifier O3BG for superimposed signals	

Item	Qty	Description of Material	Price in SFr, FOB
263	1	Compressor 03BH	
264	1	Expander 03BM	
265	1	Transmitter-receiver Speech low-pass filter E3BR Frequency 2000 Hz	
266	1	AF hybrid 03BK	
267	1	Test oscillator 03BP	
268	1	Set of spares 10 pieces of each type of fuses and lamps	
269	1	Alarm circuit for internal fault signalling Engraving: FALLA EN EQUIPO AF Voltage 48 V=	
270	1	Microtel 4-wire, plug-in type	
271	1	DC telephone bell mounted inside of the cabinet Voltage 48 V=	
272	1	Protecting grid (fixed on the bottom of the cabinet)	
Subtotal of Items 254 to 272			21'200,-
273	1	Test instrument I9AA	540,-
274	1	<u>Audio Frequency Intertripping Unit</u> Type: NFD + PAD AF coupler for protection relaying and intertripping of the 60 kV line direc- tion Huampanf Transmission over BBC single side-band carrier equipment type ETBA, item 254	

Item	Qty	Description of Material	Price in SFr, FOB
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Distance relaying panel

type:

Power supply:

Battery 48 V DC

positive pole grounded

Battery 120 V DC

earth free

Frequency:

3360 \pm 50 Hz

Input and output circuit shall be balanced.

Comprising of:

275	1	Tier block (4 units) containing the following printed circuits and plug-in parts:	
276	1	Control and alarm unit	G5AF
277	1	Transmitter filter	E5AB
278	1	Monitoring	G2AB
279	1	Transmitter	G2AW
280	1	Relay	G2AO
281	1	Receiver filter	E5AA
282	1	Preamplifier	G2AG
283	1	Guard channel	G2AN
284	1	Operating channel	G2AF
285	1	F-contactor unit	G5AG
286	1	Test and interconnection unit	G5AL
287	1	Test and interconnection unit	G5AK
288	1	Tier block (3 units) for supplying of the intertripping unit, comprising:	
289	1	Voltage regulator	B3BS
290	1	Voltage regulator	B3BT

Item	Qty	Description of Material	Price in SFr, FOB
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The tier blocks (items 275 and 288) containing all necessary printed circuits for intertripping application have to be installed into the SSB carrier equipment cabinet item 255 and completely wired and connected to strip terminals and screw terminal blocks at the rear.

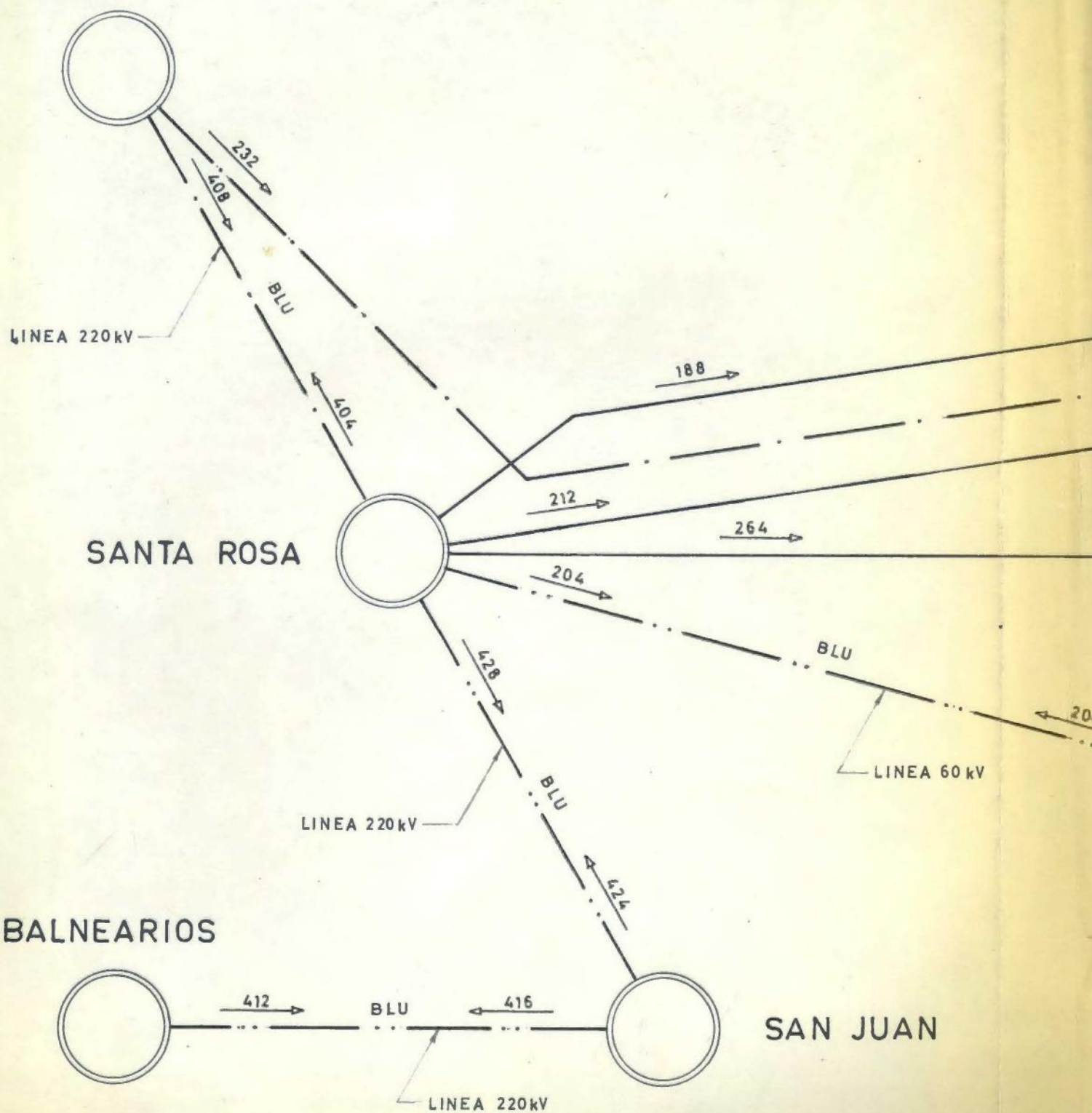
291	1	Set of spares	
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Subtotal of Items 274 to 291

7'550,-

292-300		Remain open	
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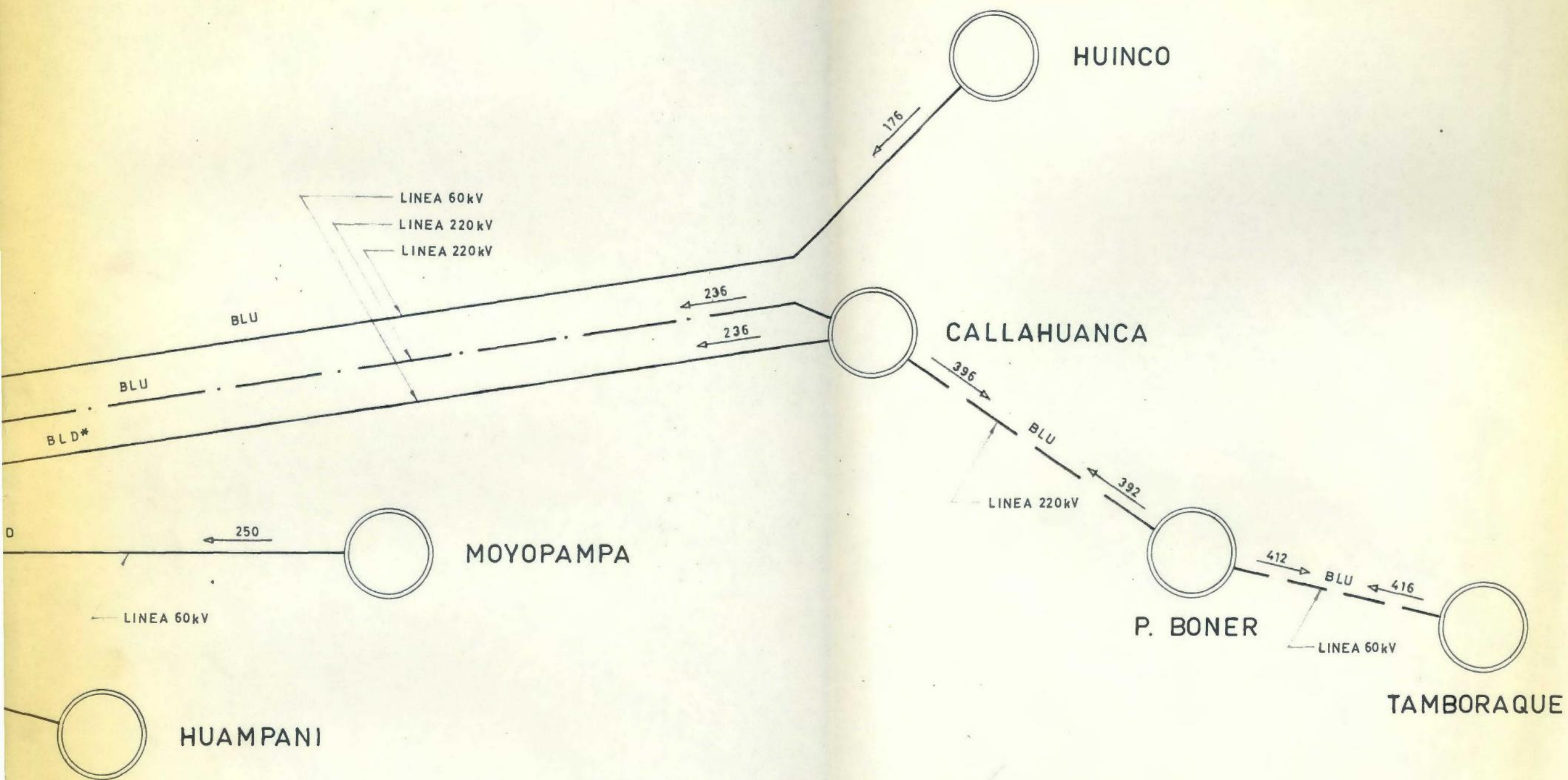
CHAVARRIA



SANTA ROSA

BALNEARIOS

SAN JUAN



LEYENDA

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 B L U
 B L D
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Existente
 Pedido No 13311
 " Matucana
 Segunda Etapa
 Banda Lateral Unica Equipo onda portadora
 " " Doble " " "
 (Se elimina para la puesta en servicio Callahuanca -
 Chavarria)

DISTANCIAS

Santa Rosa	-	Chavarria	~	9 km.
" "	-	Huampani	~	29 km.
" "	-	Moyopampa	~	41 km.
" "	-	Callahuanca	~	52 km.
" "	-	Huinco	~	62 km.
Chavarria	-	Callahuanca	~	60 km.
Callahuanca	-	P. Boner	~	25 km.
P. Boner	-	Tamboraque	~	13 km.
Santa Rosa	-	San Juan	~	25 km.
San Juan	-	Balnearios	~	10 km.

E E. E E. A A.		D - 3 - 354	
SERV. PROYECTOS GENERACION			
CENTRO DE COMUNICACIONES Y CONTROL		Dib. J. BALVIN M.	
Sistema onda portadora sobre linea de Transmisi3n		Rev. <i>[Signature]</i>	
		V° B° <i>[Signature]</i>	
		Escala s/e	
		Lima 27-X-70	

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELÉFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

113618

Lima, Diciembre 29 de 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. *Jan 13/71*

Date Ack'd. *1/18/71*

Assign *Shueban*

Ref: LOAN 511 PE
Proyecto Matucana

Muy señores nuestros:

Tenemos a bien remitir adjunto, para su información y aprobación, nuestro informe y recomendación para la adjudicación de pedido del siguiente Equipo pesado:

2 Tractores

2 cargadores y 1 motoniveladora

1 Grúa articulada

1 Montacarga

previsto para el Proyecto de Matucana y que pensamos incluir en el ítem 3 Equipos de Construcción de la "List of Goods"

Esperamos recibir en breve su aprobación y les saludamos entre tanto

muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

Enrique Brou
ENRIQUE BROU
GERENTE ADMINISTRATIVO

Alfredo Ghisellini
ALFREDO GHISELLINI
GERENTE

Incl. un anexo

wtg

113752

Lima, Diciembre 29 de 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. Jan 13/71

Date Ack'd. 1/18/71

Assigned to Shuchan

Ref: LOAN 511-PE
Proyecto Matucana

Muy señores nuestros:

Debido al compromiso que tiene Empresas Eléctricas Asociadas con la Corporación del Mantaro de poner en servicio en el año 1972 la Subestación de San Juan que servirá de interconexión, nos vemos obligados a reactualizar nuestra previsión original de equipos.

Creemos per lo tanto oportuno ampliar los pedidos ya colocados y aprobados por Uds. con su carta del 28.1.70, como sigue:

Pos. 1) - Nuestro pedido Nr.20028

4 interruptores neumáticos tipo DCVF 245 mc 6 con
5 equipos de recierre tipo CW 6
1 planta de aire comprimido para accionamiento de
los interruptores

a la Firma Brown Boveri & Co., Baden/Suiza
por un valor aproximado de US\$ 90.000

Pos. 2) - Nuestro pedido Nr.20029

2 seccionadores tripolares para 220 kV, con cuchillas de puesta a tierra tipo TFDE 24510 (marca Alpha Nidau) con accionamiento neumático,
8 seccionadores tripolares tipo TFD (marca Alpha Nidau) con las mismas características que los anteriores, pero sin cuchillas de puesta a tierra.

a la firma Brown Boveri & Co., Baden/Suiza
por un valor aproximado de US\$ 90.000

Pos. 3) - Nuestro pedido Nr.20027

15 transformadores de medida, combinados, modelo Hermetico, tipo CEZ-200, con relación de transformación de tensión $220000/\sqrt{3}$: $200/\sqrt{3}$ V y relación de transformación de corriente 300-600/1-1A.

a la firma Exportadores Unidos de Material Eléctrico,
España

por un valor aproximado de US\$ 50.000

Lima, 29.12.70

Empresas Eléctricas Asociadas, Lima

/ International Bank for
Reconstruction and Development,
Washington

Los precios para este equipo adicional los hemos calculado en base de las ofertas y podrán registrar eventualmente algún incremento debido al tiempo transcurrido desde su presentación.

Mucho estaremos recibir en breve su aprobación a estas ampliaciones de pedido y con las debidas gracias anticipadas por su amable cooperación, aprovechamos para saludarles

muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


ENRIQUE BROU
GERENTE ADMINISTRATIVO


ALFREDO GHISELLINI
GERENTE

 MK/wts

Pe-511
490

December 29, 1970

Empresas Electricas Asociadas
Apartado 1384
Lima, Peru

Gentlemen,

Re: Peru - Loan 511-PE
Procurement of Microwave Equipment
for Dispatching Center

We acknowledge with thanks receipt of your letter No. 113147 of December 10, 1970 in which you propose to award the contract for the "first step of the second stage" of the extension program of your telecommunication system to Bell Telephone Manufacturing Co., Antwerp (Belgium) for about US\$ equivalent 434,000 f.o.b.

We understand that you consider the proposed new contract as an extension of the two orders won by Bell in 1968 and already increased once in 1969 without new bidding. The Bank's agreement to the 1969 increase was based on the fact that the initial bidding had covered substantially more equipment than the contracts that were actually awarded in 1968, and that the additional order represented essentially the part covered by the bidding but not included in the 1968 contracts.

With respect to the above new award, however, we regret to inform you that we are not in a position to approve it before you submit to us:

(a) a satisfactory justification for asking only Bell to bid on the additional equipment, and

(b) a description of when and how you intend to procure the remaining part of the equipment covered by the US\$1,800,000 heading "communications equipment" in the List of Goods as revised in January, 1970.

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Mr. Sear
Mr. Dambski
Central Files
Dept. Files
Chron. Files

RRibis:fj

IBRD

CONTROL NO. PE-O-44

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

511 PE
@

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

113620

Lima, Diciembre 28 de 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. *Jan 13/71*

Date Ack'd. _____

Assigned to *Shuchan*

R.f: LOAN 511 PE
Proyecto Matucana

doc
PE-1-03

Muy señores nuestros:

Tenemos a bien remitir adjunto, para su información y aprobación, nuestro informe y recomendación para la adjudicación de pedido de una

GRUA MOVIL

para el Proyecto de Matucana, que pensamos incluir en el item 3 Equipos de Construcción de la "List of Goods".

Esperamos recibir en breve su aprobación y les saludamos entre tanto

muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

Enrique
ENRIQUE BROU
GERENTE ADMINISTRATIVO

Alfredo Ghisellini
ALFREDO GHISELLINI
GERENTE

1
1 anexo
vts

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

511 PE
"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

113619

Lima, Diciembre 28 de 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. Jan 13/71

Date Ack'd.

Assigned to Shuck

Ref: LOAN 511 PE
Matucana Project

Muy señores nuestros:

Tenemos a bien remitir adjunto, para su información y aprobación, nuestro informe y recomendación para la adjudicación de pedido de una

FRESADORA UNIVERSAL

para el Proyecto de Matucana, que pensamos incluir en el item 3 Equipos de Construcción de la "List of Goods"

Esperamos recibir en breve su aprobación y les saludamos entre tanto

muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ENRIQUE BROU
GERENTE ADMINISTRATIVO

ALFREDO GHIBELLINI
GERENTE

1 anexo

wtg

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 201
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

Pe-511-90
"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

113147

Lima, December 10, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. Dec. 17/70

Date Ack'd. _____

Assigned to _____
MRB

LOAN 511-PE
Dispatching Center
Microwave Radio Network
Second Stage

PE-0-44

Dear Sirs:

We refer to your letter 1.8.70 giving us your approval to the revised List of Goods. Under item 6 of the mentioned List of Goods we have made provision for the extension of our Dispatching Center.

As first step towards this second stage (see drawing No. E-4-372) we enclose herewith an offer from Bell Telephone Manufacturing Co. (BTMC), Antwerp, Belgium, covering all equipment involved for the extension of our telecommunications network (microwave radio, multiplex and power equipment) for the total amount of BF.21.654.180 (fob), excluding erection and commissioning, which will be carried out by us.

Under item 9 of BTMC's offer, reference is made that the prices have been increased by 20%, according to the indicated sliding price formula, up to the end of January 1971 (original basis March 1968). This increase has been calculated up to the end of September 1970 and extrapolated up to the end of January 1971 (Validity of offer).

As we estimate that this increase is fully justified we ask you to give us the authorization to place the order as specified on attached offer with

Bell Telephone Manufacturing Co., Belgium

for the total amount of BF. 21.564.180,- (fob), equivalent to aprox. US\$ 433.564,60 (1 US\$ = 50 BF).

Awaiting your approval, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

Enclosures:

1 copy BTMC-Offer
1 drawing E-4-372

FMa/wts

Doc. file
JOSE CROCI
GERENTE

Edm
ENRIQUE BROS
GERENTE ADMINISTRATIVO

Pe- 511

Loan 511-PE

December 1, 1970

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Specifications for 60 kV
Underground Cable; 60 kV and 10 kV Circuit
Breakers and Single Phase Meters

We refer to your letters Nos. 111730, 111731, 111733 and 111763 dated November 2 and November 3, 1970, regarding the above mentioned specifications, which were discussed with you by Mr. Sear during his recent visit to Lima.

We hereby confirm that we now have no objections to these specifications.

Sincerely yours,

R.V. Sear

(for) Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Department Files
Mr. Prudence (Controller's w/i)
Chron. File

RVSear:pw
IBRD

CONTROL NOS. PE-0-37, 38, 39 and 40

November 17, 1970

Your Ref. 111904

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Re: Loan 511-PE
Matucana Project
Telephone system enlargement for
the load dispatcher center

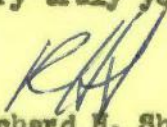
Dear Sirs:

We acknowledge your letter of November 5, 1970 with which you sent us the evaluation and your recommendation for the award of the above mentioned contract.

Please be advised that we have no objection to the award of this contract, as proposed by you, on the basis of the lowest evaluated bid to:

Siemens & Halske, Germany for a total amount of DM131,631.90
(US\$equivalent 35,965.00 FOB) plus \$/.28,800.

Very truly yours,


Richard M. Sheehan
Chief, Power Division I
Public Utilities Projects Department

MLoris:mrl

IBRD

cc: Mr. Prudence (with inc)
Mr. Sear

Central and Dept. Files

Control No. PE-O-42

48-511
cc Re - Power

OUTGOING WIRE

TO: ING JORGE RATTO

DATE: NOVEMBER 10, 1970

CORMAN

CLASS OF 374
SERVICE: TELEX 340112

LIMA

COUNTRY: PERU

11

TEXT:
Cable No.: MY SCHEDULE VISIT LIMA TWENTYTHIRD TO TWENTYFIFTH NOVEMBER WOULD APPRECIATE
SHORT DISCUSSION WITH YOU PREFERABLY ON TWENTYFOURTH AT YOUR CONVENIENCE STOP
WILL STAY HOTEL BOLIVAR ~~STOP~~ REGARDS

SEAR

INTBAFRAD

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME Richard H. Sheehan

DEPT. Public Utilities Projects

SIGNATURE *R. H. Sheehan*
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

REFERENCE:

CLEARANCES AND COPY DISTRIBUTION:

cc: Central Files
Department Files
Chron. File

RVSear:pww
IBRD

For Use By Communications Section

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

Checked for Dispatch: *So V*

INTERNATIONAL DEVELOPMENT
ASSOCIATION

INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL FINANCE
CORPORATION

OUTGOING WIRE

TO: LEO JACOB SATTO
COUNTRY: PERU
LIMA
CLASS OF SERVICE: TELETYPE
DATE: NOVEMBER 10, 1970

TEXT
Cable No.

MY SCHEDULE VISIT LIMA, TWENTY-THIRD TO TWENTY-FIFTH NOVEMBER WOULD APPRECIATE
SHORT DISCUSSION WITH YOU PREFERABLY ON TWENTY-FOURTH AT YOUR CONVENIENCE STOP
WILL STAY HOTEL BOLIVAR 222 HIGUAYE

SEAN

INTERBANK

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME

DEPT

SIGNATURE

REFERENCE

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CONDE DE SUPERUNDA
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TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

111904

Lima, November 5, 1970

Messrs.
International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. *Nov. 16/70*

Date Ack'd. *Nov. 17*

Assigned to *Shubert*
Purduce w/mc

LOAN 511-PE
Matucana Project

Gentlemen:

We are sending you herewith enclosed for your information and approval the "Report and Recommendation for award of Contract" regarding

Telephone system enlargement for the
Load Dispatcher Center

corresponding to the Communication Equipment, item 6 of the List of Goods.

Awaiting your conformity, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

[Signature]
JOSE CROCI
GERENTE

[Signature]
ENRIQUE BROU
GERENTE ADMINISTRATIVO

RECEIVED

NOV 13 1970 3:30

[Signature]
1 Encl.

WTS

Ch - 479 C.E 511-PE
Ref
Pe - 511
Pe - Power
Pe - To Ref

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

OFFICE MEMORANDUM

November 4, 1970

TO: Messrs. R.V. Sear and E. Wessels

FROM: Richard H. Sheehan

SUBJECT: CHILE - Loan 479-CH - Project Supervision and review of proposed future power expansion program.
Interview engineering candidates for employment by Bank.
PERU - Loan 511-PE - Project Supervision
Terms of Reference

Mr. Sear's assignment starting on November 12, 1970 will be to proceed to Chile where he will carry out a supervision mission on Loan 479-CH and will include the following activities:-

- (1) Visit the El Toro and Bocamina project sites and review progress on this loan with Endesa.
- (2) Discuss Endesa's technical report on its future power expansion program, along with the consultant's opinion on the report to ascertain the timing of this program and the tentative date for an appraisal mission to meet project requirements.
- (3) As arranged by the Administration Department, while in Chile Mr. Sear will interview engineering candidates who have applied to the Bank for employment.

Mr. Wessels will join Mr. Sear in Chile on November 16, 1970 to participate in the supervision review of Loan 479-CH. He will pay particular attention to:-

- (a) The provisional tariff adjustments allowed earlier this year by the Government were limited to 29% which would appear to be below that allowable under the electricity law. The final tariff adjustments are usually made about October each year, therefore this matter should be reviewed to see whether adequate tariff levels have been obtained.
- (b) Review the financial forecasts for the future loan to ascertain the requirement for and amount of future borrowing in local currency and foreign exchange needed by Endesa to finance the proposed power system expansion program.

To: Messrs. R.V. Sear and E. Wessels - 2 -

November 4, 1970

On about November 20, 1970 Mr. Wessels will return to Washington and Mr. Sear will proceed to Lima, Peru, to visit the Matucana Project site, Loan 511-PE and have general discussions with Lima Light on progress on this project and on the timing and amount of a future loan. He will also have conversations with the Mantaro Corporation on their future plans for power system expansion.

Upon return to the Bank the Mission should submit a back-to-office report immediately, to be followed as soon as possible by a full report on the Chilean and Peruvian situations.

Cleared with and cc: Messrs. B. Ahmad (S.A.), S. Kapur (S.A.)

cc: Messrs. Chadenet, Baum, Weiner, Armstrong, Howell, Berrie, Jennings,
White, Saeed/Ducker, Central Files, Department Files, Chron. File

RVSear:pww
IBRD

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AND
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COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 281
LIMA - PERU
TELEFONO 278200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

111763

Lima, November 3, 1970

Date Rec'd. *Nov. 10/70*

Date Ack'd. *Dec. 1/70*

Assigned to *Street*
MR. SAAE

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Specifications for 60 kV Air-Blast
Circuit Breakers

We acknowledge receipt of your letter dated October 26, 1970 regarding the above mentioned specifications.

With reference to your comments on the "conditions of tender" we are sending you enclosed a copy of the new redaction of this chapter.

Referring to the material specification, item 3, page 3 we have pointed out that the circuit breakers must be suitable for switching overhead lines and transformers considering that this condition may be more severe respect to the restriking-voltages than those which may appear when breaking the highest short-circuit currents. Naturally it is assumed that this is an additional condition to the normal conditions, including the rupture of fault currents for a minimum corresponding to 1500 MVA.

This observation corresponds also to the IEC recommendation, publication 56-1 bottom of page 33.

"Full load tests" correspond to "Breaking capacity tests" and are part of the "Type tests" specified by the above mentioned IEC recommendation. These type tests are for the purpose of proving all characteristics of the circuit breaker and are generally realized only on each type of circuit breaker in opposition to the routine tests made on each breaker.

Hoping that the above mentioned explanation will meet us your approval, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

Jose Croci
JOSE CROCI
GERENTE

Enrique Brou
ENRIQUE BROU
GERENTE ADMINISTRATIVO

See file 1 Encl.
MM/wts

Lima Light & Power Co.

B. CONDITIONS OF TENDER

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1. Tender	1
2. Prices	2
3. Terms of Payment	2
4. Delivery Time	3

September, 1970

B. CONDITIONS OF TENDER

1. Tender

Sealed tender, marked "Licitación Internacional (with the reference of the bidding)" on the cover, shall be submitted in triplicate to Messrs. Empresas Eléctricas Asociadas (Lima Light & Power Co.), P.O. Box #1384, Lima - Perú. The tender, with a validity of 3 months, shall be written in Spanish or English and must contain the following information:

- Detailed specification of material.
- Detailed technical description of supply.
- Dimension drawing, schemes, project and layout drawings of the material offered.
- Drawing of similar equipment already supplied, showing, in all essential points, the details of the proposed design.
- Reference list with documentation. It must be indicated the name of other companies, members of CIER* (Comisión de Integración Eléctrica Regional), which have been provided with similar commercial orders.
- The eventual enclosed data sheets, completely filled out.

Only those offers which are submitted complete and at the specified date will be taken into consideration. The Contractor shall not make any expenditure for the purposes of the Contract in the territories of any country which is not a member of the International Bank for Reconstruction and Development (except Switzerland).

Scope of supply, duties, design and execution are described in the material specification, which is binding. Deviations, with proper reasons, must be subject to alternative items and offered separately.

Claims for additional work resulting from subsequent alterations which were caused by instructions not being followed will be disregarded.

The act of submitting a tender binds unconditionally the tenderer, in case the order is placed with him, to the "General conditions of contract".

2. Prices

Firm prices are to be stated in the currency of the tender's country and submitted separately for each item of the material specification (as an alternative sliding prices will also be taken into consideration).

The prices must be subdivided as follows :

- a) FOB - port of shipment.
- b) C&F - including freight to Callao, in addition to a).

Prices shall include all taxes, customs charges, premiums and other charges involved in exporting the supply from the manufacturer's country and conveying it via other countries, up to the port of shipment or to the harbour of Callao, in accordance with the regulations of the "Incoterms 1953". If the material is manufactured in Perú, the prices must include the taxes and fees existing at the date of the bidding. Duties involved in importing the material into Perú as well as the transport insurance costs will be borne by the purchaser.

Empresas Eléctricas Asociadas (Lima Light & Power Co.) reserves the right to place orders with different suppliers for the various items of the specified material.

3. Terms of Payment

The International Bank for Reconstruction and Development has made a loan to Empresas Eléctricas Asociadas for the Project, and it is intended that proceeds of the loan will be applied to payments under this contract in accordance with the terms and conditions of the loan. The terms of payment will be as follows :

- 20% when placing the order. The supplier will present an invoice for such amount to the Empresas Eléctricas Asoc., indicating the value in the currency of the tender's country, and at the same time its equivalent in US Dollars.

- The supplier shall indicate the bank where he wishes the payment to be made.
- 80% against reception of documents. Such payment will take place within 45 days from the reception of the documents. Together with the documents, the supplier will present a bank warrant equal to 10% of the total amount of the order, to be issued by a bank acceptable to Empresas Eléctricas Asociadas, for the due performance of the obligations undertaken by the supplier. Such warrant will remain valid until the conclusion of the guaranty period.

4. Delivery Time

The time for delivery is to be stated for each item mentioned in the material specification.

* CIER member Countries: Argentina, Brasil, Uruguay, Colombia, Bolivia, Ecuador, Chile, Perú, Paraguay, Venezuela.

LIMA
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AND
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COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

111731

Lima, November 2, 1970

Date Rec'd. *Nov. 10/70*

Date Ack'd. *Dec. 1/70*

Assigned to *Shelton*
MSKAR

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Specification for 10 kV Circuit breakers

We acknowledge receipt of your letter dated October 20, 1970 regarding the above mentioned specifications.

With reference to the wording in the "Conditions of tender" we are sending you herewith enclosed a copy of the new redaction of this chapter.

Referring to the delivery time we would like to draw your attention to the fact that only half of the supply is foreseen within 6 months, the remaining circuit breakers being dispatched within 12 months.

We agree with your comment on the right of option and are sending you herewith enclosed copy of the corresponding amendment.

We hope that this explanation will receive your approval and remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

[Signature]
JOSE CROCI
GERENTE

[Signature]
ENRIQUE BROU
GERENTE ADMINISTRATIVO

[Handwritten mark]
2 Encl.

[Handwritten mark]
MM/wts

5. Wahl.
10/11/1911

EMPRESAS ELECTRICAS ASOCIADAS
Lima - Perú

10 kV CIRCUIT BREAKERS

Bidding 1970

C. MATERIAL SPECIFICATION

Re: Amendment to the mentioned chapter:
"right of option: Page 4 - item 3"

The right of option shall be effective only if the winner maintains the same unit prices as far as the additional order for 100 units is placed within 90 days after the original order.

oooOooo

Lima, November 2, 1970

Lima Light & Power Co.

B. CONDITIONS OF TENDER

	<u>Page</u>
1. Tender	1
2. Prices	2
3. Terms of Payment	2
4. Delivery Time	3

September, 1970

- The supplier shall indicate the bank where he wishes the payment to be made.
- 80% against reception of documents. Such payment will take place within 45 days from the reception of the documents. Together with the documents, the supplier will present a bank warrant equal to 10% of the total amount of the order, to be issued by a bank acceptable to Empresas Eléctricas Asociadas, for the due performance of the obligations undertaken by the supplier. Such warrant will remain valid until the conclusion of the guaranty period.

4. Delivery Time

The time for delivery is to be stated for each item mentioned in the material specification.

* CIER member Countries: Argentina, Brasil, Uruguay, Colombia, Bolivia, Ecuador, Chile, Perú, Paraguay, Venezuela.

Lima Light & Power Co.

B. CONDITIONS OF TENDER

	<u>Page</u>
1. Tender	1
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September, 1970

B. CONDITIONS OF TENDER

1. Tender

Sealed tender, marked "Licitación Internacional (with the reference of the bidding)" on the cover, shall be submitted in triplicate to Messrs. Empresas Eléctricas Asociadas (Lima Light & Power Co.), P.O. Box #1384, Lima - Perú. The tender, with a validity of 3 months, shall be written in Spanish or English and must contain the following information:

- Detailed specification of material.
- Detailed technical description of supply.
- Dimension drawing, schemes, project and layout drawings of the material offered.
- Drawing of similar equipment already supplied, showing, in all essential points, the details of the proposed design.
- Reference list with documentation. It must be indicated the name of other companies, members of CIER* (Comisión de Integración Eléctrica Regional), which have been provided with similar commercial orders.
- The eventual enclosed data sheets, completely filled out.

Only those offers which are submitted complete and at the specified date will be taken into consideration. The Contractor shall not make any expenditure for the purposes of the Contract in the territories of any country which is not a member of the International Bank for Reconstruction and Development (except Switzerland).

Scope of supply, duties, design and execution are described in the material specification, which is binding. Deviations, with proper reasons, must be subject to alternative items and offered separately.

Claims for additional work resulting from subsequent alterations which were caused by instructions not being followed will be disregarded.

2. COMPLETION OF THE WORK

2.1. Completion

At the end of the work, the Contractor shall submit to the Employer a final report, which shall be written in French and shall contain the following information:

- The final report shall be submitted to the Employer.

- The final report shall contain a detailed description of the work.

- The final report shall contain a detailed description of the work, including the following information:

- The final report shall contain a detailed description of the work, including the following information:

- The final report shall contain a detailed description of the work, including the following information:

- The final report shall contain a detailed description of the work, including the following information:

Only those documents which are submitted complete and at the specified date will be taken into consideration. The Contractor shall not be responsible for the progress of the work in the event of any delay, which is not a matter of the Employer's responsibility.

Scope of supply, delivery, design and construction are described in the material specification, which is attached. The Contractor shall be responsible for the progress of the work in the event of any delay, which is not a matter of the Employer's responsibility.

Claims for additional work resulting from subsequent alterations which were caused by instructions not being followed will be considered.

The act of submitting a tender binds unconditionally the tenderer, in case the order is placed with him, to the "General conditions of contract".

2. Prices

Firm prices are to be stated in the currency of the tender's country and submitted separately for each item of the material specification (as an alternative sliding prices will also be taken into consideration).

The prices must be subdivided as follows :

- a) FOB - port of shipment.
- b) C&F - including freight to Callao, in addition to a).

Prices shall include all taxes, customs charges, premiums and other charges involved in exporting the supply from the manufacturer's country and conveying it via other countries, up to the port of shipment or to the harbour of Callao, in accordance with the regulations of the "Incoterms 1953". If the material is manufactured in Perú, the prices must include the taxes and fees existing at the date of the bidding. Duties involved in importing the material into Perú as well as the transport insurance costs will be borne by the purchaser.

Empresas Eléctricas Asociadas (Lima Light & Power Co.) reserves the right to place orders with different suppliers for the various items of the specified material.

3. Terms of Payment

The International Bank for Reconstruction and Development has made a loan to Empresas Eléctricas Asociadas for the Project, and it is intended that proceeds of the loan will be applied to payments under this contract in accordance with the terms and conditions of the loan. The terms of payment will be as follows :

- 20% when placing the order. The supplier will present an invoice for such amount to the Empresas Eléctricas Asoc., indicating the value in the currency of the tender's country, and at the same time its equivalent in US Dollars.

- * The supplier shall indicate the bank where he wishes the payment to be made.
- 80% against reception of documents. Such payment will take place within 45 days from the reception of the documents. Together with the documents, the supplier will present a bank warrant equal to 10% of the total amount of the order, to be issued by a bank acceptable to Empresas Eléctricas Asociadas, for the due performance of the obligations undertaken by the supplier. Such warrant will remain valid until the conclusion of the guaranty period.

4. Delivery Time

The time for delivery is to be stated for each item mentioned in the material specification.

* CIER member Countries: Argentina, Brasil, Uruguay, Colombia, Bolivia, Ecuador, Chile, Perú, Paraguay, Venezuela.

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

111733

Lima, November 2, 1970

Date Ack'd.

Assigned to

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Specifications Single Phase Meters

We acknowledge receipt of your letter dated October 20, 1970 regarding the above mentioned specifications and with reference to the wording in the "conditions of tender" we are sending you herewith enclosed a copy of the new redaction of this chapter.

In the hope that the above mentioned modification will receive your approval, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

from
JOSE ROSSI
GERENTE

Enrique Brou
ENRIQUE BROU
GERENTE ADMINISTRATIVO

1 Encl.

MM/wts

RECEIVED

1970 NOV -3 PM 2:38

COMMUNICATIONS

EMPRESAS ELECTRICAS ASOCIADAS

LIMA
LIGHT
AND
POWER
COMPANY
CONDE DE SUPERHUNDA
(VERACRUZ) 281
LIMA - PERU
TELEFONO 27200
CASILLA 1384
CABLES ASOCIADOS
TELEX: LIGHT 354027

111733

Lima, November 3, 1970

Mr. J. P.
Dec 1/50
Mr. J. P.
Mr. J. P.

Date Rec'd.

Assigned to

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Specifications Single Phase Meters

We acknowledge receipt of your letter dated October 20, 1970 regarding the above mentioned specifications and with reference to the wording in the "conditions of tender" we are sending you herewith enclosed a copy of the new redaction of this chapter.

In the hope that the above mentioned modification will receive your approval, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

EMERSON
RENTAL ADMINISTRATION

104-1001
GENERAL

RECEIVED

1970 NOV -9 PM 5:38

COMMUNICATIONS
SECTION

1 Encl.
MM/wts

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

Pe-511
"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

111730

Lima, November 2, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. *Nov. 19/70*

Date Ack'd. *Dec. 4/70*

Assigned to *Shick*
Mr. Sker
PE-0-38

Gentlemen:

Re: Loan 511-PE - Matucana Project
Specification for 60 kV Underground cable

We acknowledge your letter of October 20, 1970 in relation with the above mentioned cable specifications and give you our following comments:

Conditions of Tender: we agree with your proposals and are sending you herewith enclosed a copy of the new redaction of this chapter.

Material specifications:

- the correct wording of this type of cable is: "oil filled, paper insulated metal sheathed cable"
- PE-single phase cable means:
"Polyethylene insulated single phase cable"
- instead of "extend" of supply it should be "extent of supply for item 4 and "full extent" for item 8.
- with reference to "currency of payment" the modification proposed has been taken into consideration in chapter B, Conditions of Tender.

Hoping that the above mentioned explanation will meet us your approval, we remain

Yours sincerely

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

[Signature]
JOSE CROCI
GERENTE

[Signature]
ENRIQUE BROU
GERENTE ADMINISTRATIVO

[Signature]
1 Encl.
MM/wts

Lima Light & Power Co.

B. CONDITIONS OF TENDER

	<u>Page</u>
1. Tender	1
2. Prices	2
3. Terms of Payment	2
4. Delivery Time	3

September, 1970

B. CONDITIONS OF TENDER

1. Tender

Sealed tender, marked "Licitación Internacional (with the reference of the bidding)" on the cover, shall be submitted in triplicate to Messrs. Empresas Eléctricas Asociadas (Lima Light & Power Co.), P.O. Box #1384, Lima - Perú. The tender, with a validity of 3 months, shall be written in Spanish or English and must contain the following information:

- Detailed specification of material.
- Detailed technical description of supply.
- Dimension drawing, schemes, project and layout drawings of the material offered.
- Drawing of similar equipment already supplied, showing, in all essential points, the details of the proposed design.
- Reference list with documentation. It must be indicated the name of other companies, members of CIER* (Comisión de Integración Eléctrica Regional), which have been provided with similar commercial orders.
- The eventual enclosed data sheets, completely filled out.

Only those offers which are submitted complete and at the specified date will be taken into consideration. The Contractor shall not make any expenditure for the purposes of the Contract in the territories of any country which is not a member of the International Bank for Reconstruction and Development (except Switzerland).

Scope of supply, duties, design and execution are described in the material specification, which is binding. Deviations, with proper reasons, must be subject to alternative items and offered separately.

Claims for additional work resulting from subsequent alterations which were caused by instructions not being followed will be disregarded.

The act of submitting a tender binds unconditionally the tenderer, in case the order is placed with him, to the "General conditions of contract".

2. Prices

Firm prices are to be stated in the currency of the tender's country and submitted separately for each item of the material specification (as an alternative sliding prices will also be taken into consideration).

The prices must be subdivided as follows :

- a) FOB - port of shipment.
- b) C&F - including freight to Callao, in addition to a).

Prices shall include all taxes, customs charges, premiums and other charges involved in exporting the supply from the manufacturer's country and conveying it via other countries, up to the port of shipment or to the harbour of Callao, in accordance with the regulations of the "Incoterms 1953". If the material is manufactured in Perú, the prices must include the taxes and fees existing at the date of the bidding. Duties involved in importing the material into Perú as well as the transport insurance costs will be borne by the purchaser.

Empresas Eléctricas Asociadas (Lima Light & Power Co.) reserves the right to place orders with different suppliers for the various items of the specified material.

3. Terms of Payment

The International Bank for Reconstruction and Development has made a loan to Empresas Eléctricas Asociadas for the Project, and it is intended that proceeds of the loan will be applied to payments under this contract in accordance with the terms and conditions of the loan. The terms of payment will be as follows :

- 20% when placing the order. The supplier will present an invoice for such amount to the Empresas Eléctricas Asoc., indicating the value in the currency of the tender's country, and at the same time its equivalent in US Dollars.

- The supplier shall indicate the bank where he wishes the payment to be made.
- 80% against reception of documents. Such payment will take place within 45 days from the reception of the documents. Together with the documents, the supplier will present a bank warrant equal to 10% of the total amount of the order, to be issued by a bank acceptable to Empresas Eléctricas Asociadas, for the due performance of the obligations undertaken by the supplier. Such warrant will remain valid until the conclusion of the guaranty period.

4. Delivery Time

The time for delivery is to be stated for each item mentioned in the material specification.

* CIER member Countries: Argentina, Brasil, Uruguay, Colombia, Bolivia, Ecuador, Chile, Perú, Paraguay, Venezuela.

**LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

111733

Lima, November 2, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Specifications Single Phase Meters

We acknowledge receipt of your letter dated October 20, 1970 regarding the above mentioned specifications and with reference to the wording in the "conditions of tender" we are sending you herewith enclosed a copy of the new redaction of this chapter.

In the hope that the above mentioned modification will receive your approval, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

[Signature]
JOSE A. ROCCI
GERENTE

[Signature]
ENRIQUE BROU
GERENTE ADMINISTRATIVO

1 Encl.
MM/mts

Original to: P.V. Proj
Date: 11/9/70
Communications
Section

INTERNATIONAL DEVELOPMENT
ASSOCIATION

INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL FINANCE
CORPORATION

pe 511

OUTGOING WIRE

TO: MARIOTTI

ASOCIADAS

LIMA

COUNTRY: PERU

DATE: NOVEMBER 2, 1970

CLASS OF ~~LT~~ *IKF Int.*
SERVICE:

IKF

TEXT:

Cable No.: PLEASE BE ADVISED MY SCHEDULE STOP ARRIVE LIMA AVO21 FROM MIAMI TWELFTH
NOVEMBER STOP LEAVE FOR SANTIAGO BN979 THIRTEENTH NOVEMBER STOP ARRIVE
LIMA TWENTYSECOND NOVEMBER FROM SANTIAGO BN979 STOP LEAVE LIMA TWENTYFIFTH
NOVEMBER FOR MIAMI AR360 STOP TRUST DATES OF VISIT CONVENIENT STOP REGARDS

SEAR

INTBAFRAD

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME Richard H. Sheehan

DEPT. Public Utilities Projects

SIGNATURE *[Signature]*
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

REFERENCE:

CLEARANCES AND COPY DISTRIBUTION:

cc: Central Files
Department Files - 511-PE
Chron. File

[Initials] RVSear: pww
IBRD

For Use By Communications Section

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

Checked for Dispatch: *[Initials]*

OUTGOING WIRE

TO: DIRECTOR, FBI
FROM: SAC, NEW YORK
SUBJECT: [Illegible]
[Illegible text follows]

NOV 2 6 30 PM 1970
COMMUNICATIONS

DISPATCHED

Pe. 511

INCOMING CABLE

DATE AND TIME
OF CABLE:

OCTOBER 23, 1970

LOG NO.:

ITT TELEX/23

TO:

INTBAFRAD

FROM:

LIMA

ROUTING

ACTION COPY: PU POWER I

INFORMATION COPY: PUBLIC UTILITIES PROJECTS

DECODED BY:

TEXT:

FOR MR. VAUGHAN SEAR

WITH REFERENCE TO YOUR FORTHCOMING VISIT IN NOVEMBER, WE WOULD

APPRECIATE YOUR INFORMING US ABOUT YOUR ARRIVAL DATE IN LIMA.

OUR MR. CROCI WILL LEAVE FOR EUROPE ON TUESDAY, NOVEMBER 3,

ON A BUSINESS TRIP AND HE WOULD LIKE TO COORDINATE HIS RETURN

WITH YOUR VISIT IN LIMA. BEST REGARDS

ASOCIADAS

BLP

COMMUNICATIONS

OCT 23 15 08 PM 1970

TYPED

OCT 23 12 08 PM 1970

COMMUNICATIONS

Pe-511

OUTGOING WIRE

TO: ASOCIADAS

DATE: OCTOBER 23, 1970

LIMA

CLASS OF

SERVICE: *IT 137 Jout*
114

COUNTRY: PERU

TEXT:

Cable No.: REURCAB CONCERNING MY NEXT VISIT TO LIMA PLEASE BE ADVISED IT IS TENTATIVELY
SCHEDULED ABOUT NOVEMBER 22 ~~STOP~~ REGARDS

SEAR

INTBAFRAD

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME Richard H. Sheehan

DEPT. Public Utilities Projects

SIGNATURE *R. H. Sheehan*
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

REFERENCE:

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

CLEARANCES AND COPY DISTRIBUTION:

cc: Central Files
Department Files
Chron. File
Mr. Kapur (S.A.)

11
IVSear:pww

IBRD CONTROL NO. PE-0-35

For Use By Communications Section

Checked for Dispatch: *FD*

1920

100

COMMUNICATIONS
OCT 23 4 04 PM 1970

Oct 23 3 39 PM 1970
COMMUNICATIONS

RECEIVED

DISPATCHED

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"
EMPRESAS ELECTRICAS ASOCIADAS

111375

Lima, October 26, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington D.C. 20433
U.S.A.

----- **Project Dept. Correspondence**

ANSB *hr. 3/70*

DATE *hr. 10/70*

Att: Chief, Public Utilities
Division, Department of Tech
nical Operations

LOAN 511 PE
Hydroelectric Power Plant Matucana
Quarterly Report N° 7

Dear Sirs:

We have pleasure in enclosing you herewith for your records and
information, two copies of our "Quarterly Report N° 7", regarding
the Matucana Project, for the period ended september 1970.

Very truly yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

Ca
CARLOS MARIOTTI
GERENTE GENERAL

Jose Croci
JOSE CROCI
GERENTE

2 Encl.

wts/hn

RECEIVED

1310MVA-5 6N 5:18

SECTION
ADMINISTRACION

LIMA
LIGHT
AND
POWER
COMPANY

CONDE DE SUPERHUA
(VERACRUZ) 251
LIMA - PERU
TELEFONO 212200
CASILLA 1281
CARLOS MARIOTTI
TELEX LIGHT 2540087

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"
EMPRESAS ELECTRICAS ASOCIADAS

111375

Lima, October 26, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington D.C. 20433
U.S.A.

Att: Chief, Public Utilities
Division, Department of Tech
nical Operations

Private Dept. Correspondence
Mr. 3/70

LOAN 511 PE
Hydroelectric Power Plant Matucana
Quarterly Report No. 7

Dear Sirs:

We have pleasure in enclosing you herewith for your records and
information, two copies of our "Quarterly Report No. 7", regarding
the Matucana Project, for the period ended September 1970.

Very truly yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

CARLOS MARIOTTI
Gen. Mgr.

1001 CROC
GENERAL

RECEIVED
1970 NOV -2 PM 2:19

COMMUNICATIONS
SECTION

2 Encl.
wts/hn

Loan 511-PE

October 26, 1970

Your Ref: 110953

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Specifications for 60 kV Air-Blast
Circuit Breakers

We hereby acknowledge your letter of October 16, 1970 regarding the above mentioned specifications.

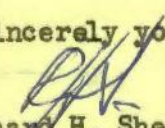
We would refer you to our letter of October 20, 1970 on the specifications for 60 kV cable in which we made some comment on the "Conditions of Tender" which would apply to these specifications also.

We would also like to refer to the reference on page 3 of C. Material Specifications, item 3 "The circuit breakers shall be air-blast type, and suitable for switching overhead lines and transformers under no load conditions". We assume that these breakers would also be expected to rupture fault current but this is not explicitly stated although it is referred to under the "Principle Characteristics" where a rated breaking capacity ((minimum required) of 1,500 MVA is given. We would suggest that this point be clarified.


Under Acceptance Tests on page 4 of C. Material Specifications, you refer to "Full load test certificates". It is not clear whether the description of the tests required includes proof of the circuit breakers rupturing capacity. We suggest that the specifications should require a certificate to show that a breaker of the design offered has been tested to the rupturing capacity required or that the tenderer has breakers of the required rupturing capacity in service.

We would appreciate your comments on the above.

Sincerely yours,


Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Mr. Prudence (Cont.) (w/i)
Central Files
Dept. Files
Chron. File

 RVSear:pww
IBRD

CONTROL NO. PE-0-36

Loan 511-PE

October 20, 1970

Your Ref: 110705

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE
Matucana Project
Remote Control System Contract

We hereby acknowledge your letter of October 7, 1970 with which you sent us the evaluation and your recommendation for the award of the above mentioned contract.

Please be advised that we have no objection to the award being made to the lowest bid, Landis and Gyr AG, Switzerland at the price of Sfr. 77,730 FOB European port.

Sincerely yours,

R.V. Sear

(for) Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc with incoming: Mr. Prudence (Controller's)

cc: Central Files
Department Files
Chron. File

RVSear:pw

IBRD

CONTROL NO. PE-0-34

Loan 511-PE

October 20, 1970

Your Ref: 110706

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Specifications for 10 kV Circuit Breakers

We hereby acknowledge your letter of October 7, 1970 with which you sent us the above mentioned specifications.

Before approving these specifications we would refer you to our comments on the wording in the "Conditions of Tender" as given in our letter to you on the specifications for 60 kV cable.

We would also query the maximum delivery time of 6 months for these breakers which we consider may be too short.

On page 4 of the Material Specifications you state "The winner of the present bid shall have the right of option to supply 100 additional circuit breakers". We feel that the supplier should give you the option of increasing the quantity by 100 breakers at the same price if you decided to increase the order say within 90 days. We would appreciate your comment on the above before we give further consideration to these specifications.

Sincerely yours,

R. M. Sear
R. M. Sear

(for) Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Mr. Prudence (Controller's w/i)
Central Files
Department Files
Chron. File

M
RVSear:pw

IBRD

CONTROL NO. PE-O-33

Loan 511-PE

October 20, 1970

Your Ref: 110704

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Specifications Single Phase Meters

We hereby acknowledge your letter of October 7, 1970 with which you sent us the above mentioned specifications.

Please be advised that we have no objection to these specifications in principle but would refer you to our letter on the specifications for 60 kV cable where we have made some comment on the "Conditions of Tender" which would apply to these specifications also.

Sincerely yours,

R.V. Sear

(for) Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Mr. Prudence (Controller's w/1)
Central Files
Department Files
Chron. File

RVSear:pwv

IBRD

CONTROL NO. PE-0-32

Loan 511-PE

October 20, 1970

Your Ref: 110707

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Specifications for 60 kV Underground Cable

We hereby acknowledge your letter of October 7, 1970 with which you sent us the above mentioned specifications.

We have no objections in principle to these specifications but we would draw your attention to some terms in the text which are apparently errors or which might be reworded. We refer to the following:-

Page 2 of Conditions
of Tender

Item 3.

Reference to International Bank for Reconstruction and Development (World Bank).

We would refer you to the preferred wording as given in our "Guidelines for Procurement under World Bank Loans". This wording may be abbreviated if you wish but should at least state "The International Bank for Reconstruction and Development has made a loan to Empresas Electricas for the Project and it is intended that the proceeds of the loan will be applied to payments under this contract in accordance with the terms and conditions of the loan". A copy of the "Guidelines for Procurement" is enclosed for your easy reference.

Page 3 of Conditions
of Tender

"to be issued by a first class bank". We would suggest that this be changed to "a bank acceptable to Empresas Electricas."

Page 3 of Material
Specifications

"Paper impregnated" is this not "Impregnated Paper" or "Paper Insulated".

"PE - underground single phase cable" is this not "PI - underground single phase cable"?

Page 5 of Material
Specifications

Item 4.1 - "Paper impregnated" should probably be "Impregnated Paper" or "Paper Insulated".

Item 4.3 "straight" is misspelled.

Page 9 of Material
Specifications

Item 8 the word "extend" should apparently be "full extent" or "total".


With reference to currency of payment. It would be preferable simply to say that "payment will be made in the currency of the tenderer's country".

Sincerely yours,



(for) Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Department Files
Chron. File
Mr. Prudence (Controller's) w/1

 HVSear:pw

IERD

CONTROL NO. PE-0-31

Enclosure

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

110953

Lima, October 16, 1970

Date Rec'd. Oct. 23/70

Date Ack'd. Oct 26/70

Assigned to MR. SPARK

International Bank for
Reconstruction and Development
1818 H, N.W.
Washington, D.C. 20433
U.S.A.

Att: Mr. Charles H. White
Projects Department

LOAN 511-PE
Matucana Project

PE - 0 - 36

Gentlemen:

In accordance with previous agreements concerning procurement procedures, we are enclosing herewith, for your information copy of specifications for the procurement of

60 kV AIR-BLAST CIRCUIT BREAKERS

to be used in the above mentioned project, as we wish to include such breakers in the Matucana Loan, which will be subject, very soon, of an international bidding.

Awaiting your approval, we remain,

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO

1 Encl.

wtg

112-211

NOTIFICATION
SECTION

"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

LIMA
LIGHT
AND
POWER
COMPANY

CORRE DE SUPERMUNDA
(VERACRUZ) 281
LIMA - PERU
TELEFONO 275200
CASILLA 1284
CABLES ASOCIADAS
TELEX: LIGHT 2540027

110923

RECEIVED
Lima, October 16, 1970

Date Rec'd: Oct. 28/70
Date Ack'd: Oct. 28/70
Initialed by: [Signature]

International Bank for
Reconstruction and Development
1818 H. N.W.
Washington, D.C. 20433
U.S.A.

Att: Mr. Charles H. White
Projects Department

PE - 0 - 26

LOAN 211-PE
Matucana Project

Gentlemen:

In accordance with previous agreements concerning pro-
curement procedures, we are enclosing herewith, for your infor-
mation copy of specifications for the procurement of

60 KV AIR-BLAST CIRCUIT BREAKERS

to be used in the above mentioned project, as we wish to include
such breakers in the Matucana loan, which will be subject, very
soon, of an international bidding.

Awaiting your approval, we remain,

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ENRIQUE BROU
GERENTE ADMINISTRATIVO

JOSE CROCI
GERENTE

1 Encl.

WTS

[Handwritten signature]

**LIMA
LIGHT
AND
POWER
COMPANY**

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año de los Precursores de la Independencia del Perú"

EMPRESAS ELECTRICAS ASOCIADAS

110705

Lima, October 7, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. Oct. 19/70
Date Ack'd. Oct 20/70
Assigned to Shuchan
San

LOAN 511-PE
Matucana

PE-0-34

Gentlemen:

We are enclosing herewith for your information and approval the Report and Recommendation for Award of Contract prepared by our Consulting Engineers Motor-Columbus, Baden, and regarding the

Remote Control and Teleregulation System

for the above mentioned Project.

Awaiting your conformity, we remain

Very truly yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO



RECEIVED

1810 OCT 18 6M 5:05

SECTION

ADMINISTRATIVE

1 Encl.

 wts


LIMA
LIGHT
AND
POWER
COMPANY
VERACRUZ 261 LIMA - PERU
TELEFONO 16 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3840087

EMPRESAS ELECTRICAS ASOCIADAS

110705

Lima, October 7, 1970

Date Rec'd. 10-19/70
Date Ack'd. 10-20/70
Assigned

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

LOAN 511-PE
Matanzas

PE-0-34

Gentlemen:

We are enclosing herewith for your information and
approval the Report and Recommendation for Award of Contract
prepared by our Consulting Engineers Motor-Columbus, Baden,
and regarding the
Remote Control and Teletest System

for the above mentioned Project.
Awaiting your conformity, we remain

Very truly yours
EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

RECEIVED
1970 OCT 19 PM 2:02
COMMUNICATIONS SECTION

1 Encl.
wts
2

**LIMA
LIGHT
AND
POWER
COMPANY**

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1364
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año de los Precursores de la Independencia del Perú"

EMPRESAS ELECTRICAS ASOCIADAS

110706

Lima, October 7, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. Oct. 19/70

Date Ack'd. Oct 20/70

Attn: Mr. Charles H. White
Projects Department

LOAN 511-PE
Matucana Project

Dear Sirs:

In accordance with previous agreements concerning procurement procedures, we are enclosing herewith, for your information copy of specifications for the procurement of

10 kV CIRCUIT BREAKERS

to be used in the above mentioned project, as we wish to include such material in the Matucana Loan, which will be subject, very soon, of an international bidding.

Awaiting your approval, we remain,

Very truly yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE

EMILIO BROW
GERENTE ADMINISTRATIVO

1 Encl.

vtg


82-211

"Año de los Presidentes de la Independencia del Perú"

EMPRESAS ELECTRICAS ASOCIADAS

LIMA
LIGHT
AND
POWER
COMPANY

VERACRUZ 281 LIMA - PERU
TELEFONO 78 200
CASILLA 1284
CABLES ASOCIADAS
TELEX: LIGHT 354087

NOTIFICATION
110706
OCT 19 1970

Lima, October 7, 1970

RECEIVED

U.S.A.
Washington, D.C. 20433
1818 H Street, N.W.
Reconstruction and Development
International Bank for

Date Rec'd. Oct. 19/70
Date Ack'd. Oct. 20/70

Attn: Mr. Charles H. White
Protecta Department

LOAN 511-PE
Matucana Project

Dear Sirs:

In accordance with previous agreements concerning procure-
ment procedures, we are enclosing herewith, for your information co-
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10 KV CIRCUIT BREAKERS

to be used in the above mentioned project, as we wish to include
such material in the Matucana loan, which will be subject, very soon,
of an international bidding.

Awaiting your approval, we remain,

Very truly yours

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

[Handwritten signature]
DIRECTOR GENERAL
ADMINISTRATIVO

1 Encl.

[Handwritten initials]
Wfs

**LIMA
LIGHT
AND
POWER
COMPANY**

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año de los Precursores de la Independencia del Perú"

EMPRESAS ELECTRICAS ASOCIADAS

110704

Lima, October 7, 1970

Date Rec'd. Oct 19/70

Date Ack'd. Oct 20/70

Assigned to Sheehan

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Att: Mr. Charles H. White
Projects Department

LOAN 511-PE
Matucana Project

PE-0-32

Gentlemen:

In accordance with previous agreements concerning procurement procedures, we are enclosing herewith, for your information, copy of specifications for the procurement of

40,000 SINGLE PHASE METERS

to be used in the above mentioned project, as we wish to include such meters in the Matucana Loan, which will be subject, very soon, of an international bidding.

Awaiting your approval, we remain,

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE


ENRIQUE EROU
GERENTE ADMINISTRATIVO

1 Encl.

he. l. - wts
BS

LIMA
LIGHT
AND
POWER
COMPANY
VERACRUZ 201 LIMA - PERU
TELEFONO 16 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELÉCTRICAS ASOCIADAS
"ARO de los Presureros de la Independencia del Perú"

RECEIVED
1970 OCT 20 10 07 AM
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110704

1970
Date Rec'd. Oct 19/70
Date Ack'd. Oct 20/70
Assign

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

At: Mr. Charles H. White
Projects Department

LOAN 511-PE
Matucana Project

Gentlemen:

In accordance with previous agreements concerning procu-
rement procedures, we are enclosing herewith, for your information,
copy of specifications for the procurement of

40,000 SINGLE PHASE METERS

to be used in the above mentioned project, as we wish to include
such meters in the Matucana loan, which will be subject, very soon,
of an international bidding.

Awaiting your approval, we remain,

Yours very truly
EMPRESAS ELÉCTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ENRIQUE PROU
GENERAL MANAGER

JOSE CROCI
GENERAL MANAGER

I Encl.

Wts
P

**LIMA
LIGHT
AND
POWER
COMPANY**

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

"Año de los Precursores de la Independencia del Perú"

EMPRESAS ELECTRICAS ASOCIADAS

110707

Lima, October 7, 1970

Date Rec'd.

Date Ack'd.

Assigned to

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Att: Mr. Charles H. White
Projects Department

LOAN 511-PE
Matucana Project

PE-0-31

Gentlemen:

In accordance with previous agreements concerning procurement procedures, we are enclosing herewith, for your information, copy of specifications for the procurement of

60 kV UNDERGROUND CABLES

to be used in the above mentioned project, as we wish to include such material in the Matucana Loan, which will be subject, very soon, of an international bidding.

Awaiting your approval, we remain,

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE




ENRIQUE BROU
GERENTE ADMINISTRATIVO

RECEIVED

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1 Encl.

SECTION
COMMUNICATIONS

 wts


EMPRESAS ELECTRICAS ASOCIADAS

LIMA
LIGHT
AND
POWER
COMPANY
VERACRUZ 281 LIMA - PERU
TELEFONO 78 200
CASILLA 1284
CABLES: ASOCIADAS
TELEX: LIGHT 3840083

"Asociación de las Empresas de la Independencia del Perú"

110707

Lima, October 7, 1970

Date Rec'd. 10/17/70

Date Ack'd. 10/20/70

Assigned to [Signature]

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Att: Mr. Charles H. White
Projects Department

LOAN 511-PE
Matucana Project

Gentlemen:

In accordance with previous agreements concerning procurement procedures, we are enclosing herewith, for your information, a copy of specifications for the procurement of

60 KV UNDERGROUND CABLES

to be used in the above mentioned project, as we wish to include such material in the Matucana Loan, which will be subject, very soon, of an international bidding.

Awaiting your approval, we remain,

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ENRIQUE BRON
GERENTE ADMINISTRATIVO

108 CROCI
GERENTE

RECEIVED

1970 OCT 19 PM 2:02

COMMUNICATIONS
SECTION

1 Encl.

Wts

Mr. Richard H. Sheehan

October 1, 1970

C. de Beaufort

PERU - Loan 511-PE

Empresas Electricas Asociadas (Lima Light)

During his visit to the Bank on September 29, 1970, Dr. Mariotti brought me up to date on his financing plans. Financing arrangements for the estimated remaining cost of the Matucana plant are now in the final stage and Dr. Mariotti expects no further problems. The details are as follows:

- (i) A preliminary agreement has been concluded with the Swiss Group for a refunding issue of Sw F25 million (US\$5.7 million) 10% Series N six-year bonds. The proceeds would be used to pay off an equivalent amount of US dollar debenture notes. US\$3 million of these notes are expected to be issued to the Swiss Group before the end of 1970 in payment for the sale of part of its holding of Lima Light common shares. The Company is currently selling these shares for the account of the Swiss Group on the Lima Stock Exchange at about 90%. Since the issue will have to be approved by the Peruvian authorities and the shareholders, this transaction will not be completed before the end of March 1971.
- (ii) Sudelectra, Zurich, a member of the Swiss Group, will purchase Sw F25 million (US\$5.7 million) of Series O bonds. Under a Swiss foreign investment guarantee law which has already been approved by Parliament and which is expected to be promulgated soon, the Government will be able to guarantee 70% of the principal and interest payments to be made under the issue. The term of the issue will be between 8 and 12 years and the interest rate about 10%. This issue will also have to be approved by the Peruvian authorities and the shareholders.
- (iii) Dr. Mariotti hopes that quotations on the Lima Stock Exchange will soon improve sufficiently to issue US\$5.6 million of 8% preferred shares. Authorization for the issue was already obtained at the beginning of the year but declining quotations for existing shares made it impossible to place the issue. The foreign exchange law of May 1970 had the effect of considerably increasing the amount of funds seeking investment within Peru. As a result, quotations for the company's preferred shares already improved from about 60% to 90%. A new law which will exempt holders of Lima Light's preferred shares from registering them and which may soon be promulgated, is expected to further increase the demand. The issue could be placed as soon as quotations are above par.

October 1, 1970

- (iv) The Peruvian Government has authorized the Banco Popular to make a S/.100 million (US\$2.5 million) line of credit available to Lima Light. The Company intends to use this credit during the latter part of 1970 unless the issue of preferred shares has been placed. The credit is available for an indefinite period of time; the interest rate will be 13%. Together with existing overdraft facilities the line of credit will enable the Company to postpone, if necessary, the placing of a share issue for more than a year.
- (v) The Company's application for a tariff increase is being processed. So far no problems have been encountered and it is expected that an increase of 9.6% will be authorized at the beginning of 1971.


CdeBancart:mr1

IRHD

cc: Messrs. Sear
Kapur
Central and Dept. Files

OUTGOING WIRE

TO: MARIOTTI

DATE: SEPTEMBER 23, 1970

LIMA

CLASS OF
SERVICE: TELEX: LIGHT 3540057

COUNTRY: PERU

TEXT:

Cable No.: REURLET FIFTEENTH SEPTEMBER CONCERNING TRANSFORMER ORDER TO OCREN STOP

WE HAVE NO OBJECTION TO CHANGE QUANTITY TO SIX SINGLE PHASE UNITS AT TOTAL

PRICE OF ITALIAN LIRA 195 200 000 FOB STOP REGARDS

SEAR

INTBAFRAD

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME R.V. Sear for Richard H. Sheehan

DEPT. Public Utilities Projects

SIGNATURE *R.V. Sear*
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

REFERENCE:

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

CLEARANCES AND COPY DISTRIBUTION:

cc: Mr. Prudence (Controller's w/i)
Central Files
Department Files 511-PE
Chron. File

RVSear:pw

IBRD CONTROL NO. PE-O-30

For Use By Communications Section

Checked for Dispatch: *F*

SECRET

1. THE FOLLOWING IS A SUMMARY OF THE INFORMATION RECEIVED FROM THE SOURCE ON 23 SEP 1970.

2. THE SOURCE HAS BEEN ADVISED THAT THE FOLLOWING INFORMATION IS BEING DISCLOSED TO YOU.

VII

3. THE SOURCE HAS BEEN ADVISED THAT THE FOLLOWING INFORMATION IS BEING DISCLOSED TO YOU. THE SOURCE HAS BEEN ADVISED THAT THE FOLLOWING INFORMATION IS BEING DISCLOSED TO YOU. THE SOURCE HAS BEEN ADVISED THAT THE FOLLOWING INFORMATION IS BEING DISCLOSED TO YOU.

END

SECRET

COMMUNICATIONS

SEP 23 1 30 PM 1970

RECEIVED

COMMUNICATIONS

SEP 23 1 46 PM 1970

DISPATCHED

LIMA
LIGHT
AND
POWER
COMPANY

EMPRESAS ELECTRICAS ASOCIADAS

GERENCIA GENERAL VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

109758

Lima, 15 de setiembre de 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.

Washington, D.C. 20433

Att. Sr. Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

Date Rec'd. Sept. 22/70
Date Ack'd. Telex Cable 9/23
Assigned to Shubert

Muy señores nuestros:

Ref.: Préstamo 511 PE
Ampliación Línea 220 kV
Licitación 7 Transformadores 220/60 kV

Nos referimos a la licitación del rubro y deseamos informarles del estado en que se encuentra la tramitación de la misma.

Con su carta de 7.5.70 nos dieron Uds. su conformidad a nuestra recomendación de colocar el pedido de 7 transformadores a la firma OCREN de Italia, por un monto de Lit. 224,000,000 CF, cuya oferta tenía validez sólo hasta el 15.5.70.

Lamentablemente por demora en las gestiones tendientes a obtener la liberación de las cargas aduaneras, no fué posible colocar el pedido antes del vencimiento de validez de la oferta. Por este motivo OCREN nos comunicó que no podía mantener sus precios originales y que su oferta tendría que ser actualizada. Ante esta situación decidimos solicitar a OCREN y a las dos compañías (Jeumont-Schneider y Brown Boveri) cuyas ofertas fueron las más favorables después de OCREN, se sirvieran actualizar sus precios, con validez hasta el 30.9.70. Los nuevos precios que nos han indicado las tres compañías para el suministro de 6 6 7 unidades, los hemos anotado en los cuadros comparativos adjuntos.

De la comparación se desprende que la oferta de OCREN es la más favorable en ambos casos.

Siendo la política del Gobierno actual la de alentar a la industria nacional, creemos conveniente mantener abierta la posibilidad de que la fabricación de la séptima unidad (polo de reserva) sea realizada por una empresa local en colaboración con OCREN. Por esta razón hemos

decidido formalizar el pedido con OCREN por 6 (seis) unidades monofásicas al nuevo precio total de Lit. 195,200,000 fob. Este nuevo precio no incluye el valor de los repuestos, los que serán especificados oportunamente y se incluirán al valor del pedido.

Queremos también mencionar que las bases de licitación contemplan la posibilidad que la firma favorecida tenga opción a recibir un pedido adicional por tres unidades idénticas. Al respecto hemos solicitado a OCREN nos confirme sus precios para estas tres unidades opcionales y nos indique la correspondiente fecha de entrega.

Confiamos que en base a la información que antecede podrán Uds. dar su aprobación a nuestro pedido. Anticipamos nuestras debidas gracias por su amable cooperación y pendientes de sus oportunas noticias, les saludamos muy atentamente.

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT AND POWER COMPANY

CARLOS MARIOTTI
GERENTE GENERAL

JOSE CROCI
GERENTE

Adj.: 2 cuadros

MM/yur

TRANSFORMADORES 220/60 kV - 28,333 KVA

COMPARACION A BASE DE 7 UNIDADES

FABRICANTE		COMPARACION FINAL		
		Costo total en US\$	FOB + Pérdidas	%
1. OCREN (Italia)	FOB con aceite Pérdidas Fletes según oferta	364,320 99,000 <u>24,451</u> (487,771)	463,320	100 (100)
2. JEUMONT SCHNEI. (Francia)	FOB con aceite Pérdidas Fletes según oferta	452,584 69,200 <u>50,131</u> (571,915)	521,784	113 (117)
3. BROWN BOVERI Co. (Suiza)	FOB con aceite Pérdidas Fletes seg.oferta	457,607 48,900 <u>50,200</u> (556,707)	506,507	109.5 (114)

Lima, 15.9.70

MM/hn

TRANSFORMADORES 220/60 kV

COMPARACION A BASE DE 6 UNIDADES

FABRICANTE		COMPARACION FINAL		
		Costo total en US\$	FOB + Pérdidas	%
1. OCREN (Italia)	FOB con aceite	319,040		
	Pérdidas	84,858	403,898	100
	Fletes seg.oferta	20,960		
	Total:	(424,858)		(100)
2. JEUMONT SCHNEI. (Francia)	FOB con aceite	379,578		
	Pérdidas	59,310	438,888	108.5
	Fletes seg.oferta	53,127		
	Total:	(492,015)		(116)
3. BROWN BOVERI Co. (Suiza)	FOB con aceite	398,502		
	Pérdidas	41,910	440,412	109
	Fletes seg.oferta	43,000		
	Total:	(483,412)		(114)

Lima, 15.9.70

MM/hn

September 14, 1970

Dr. Carlos Mariotti
c/o Sudelectra A.G.
Post Box Fraumünster 188,
8022 Zurich
SWITZERLAND

Re: Loan 511-PE

Dear Carlos;

I have just received your itinerary and was pleased to see that you are planning a stopover in New York and perhaps a visit to Washington, on your return trip to Lima.

We hope that the visit to Washington will materialize and that we will have an opportunity to be brought up-to-date on your financing plans. By taking a direct flight to Dulles International Airport, from London or Paris, on Sunday September 27 you could meet with us that day without giving up a working day in New York. But you would, of course, be welcome here any other day.

With best wishes,

Sincerely yours,



Carel de Beaufort

CdeBeaufort:mrl

IBRD

cc: Mr. Sear o/r

Central and Dept. Files

September 9, 1970

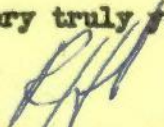
Empresas Electricas Asociadas
Veracruz 261
Lima
PERU


Re: Loan 511-PE
Gates and Stoplogs

Dear Sirs:

We acknowledge with thanks receipt of your letter No. 109153 of August 26, 1970 with which you informed us of the latest price increase of the order for the above equipment from DM 475,865 to DM 527,387.50 f.o.b. In view of the special circumstances in which this increase was imposed on you, we do not object to the above change.

Very truly yours,


Richard H. Sheehan
Chief Power Division I
Public Utilities Projects Department


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IBRD

cc: Mr. Prudence (w/incoming to Controller's)
Mr. Sear
✓ Central Files
Dept. Files
Chron. Files

CONTROL #: PE-O-28

Mr. R. H. Sheehan

September 9, 1970

R. A. Ribí 

PERU - Loan 511-PE

Procurement of Gates and Stoplogs

1. This is to give you the background for the attached letter which I should like to submit for your signature.
2. On November 17, 1967 the Bank approved the original specifications for the above equipment. On April 1, 1968 the Bank wrote to Empresas Electricas Asociadas (EEA) that it did not object to the award of the contract for this equipment to Noell (Germany) for DM 313,550 f.o.b. Due to changes in the design of the civil structures the design of the gates had to be modified, which resulted in an increased cost of DM 388,000; the Bank approved this amount in its letter of May 27, 1969. Other changes in the design and a general cost rise increased the price to DM 439,010 (amount approved by the Bank in its letter of September 2, 1969). Further additions in late 1969 brought the cost of the contract to DM 475,865. This increase which was mentioned in EEA's letter of February 19, 1970, with which EEA sent the Application for Disbursement No. 21 has not been acknowledged by the Bank, so we have to consider it as tacitly approved.
3. During early 1970, Noell was saved from bankruptcy when it was acquired by Salzgitter Industries. However this company declared that it would carry out EEA's order only if a 10% price increase was accepted. Since by May 1970 it was too late to retender the equipment, EEA had to accept the new price of DM 527,378.50.
4. Based on the above I propose that the Bank should not object to the increase of the contract amount for the above equipment to DM 527,378.50.

Attachment

RRibitab

IBRD

cc: Mr. Prudence (Controller's)
Mr. Sear
Central Files
Dept. Files
Chron. Files

511 PE

August 28, 1970

Empresas Electricas Asociadas
Casilla 1384
Lima
PERU

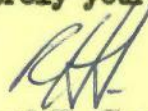
Re: Loan 511-PE
Consultants Services Contract

Dear Sirs:


We acknowledge with thanks receipt of your letter No. 108754 of August 18, 1970, with which you sent us a signed copy of the contract of July 31, 1968 between you and Motor-Columbus of Switzerland covering consultants services for the Vera Cruz load dispatching center.

Please be advised that we have no objection to this contract and that we consider it eligible for financing under the above loan.

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

 RRibi:ab
IBRD

cc: Mr. Sear
Mr. Prudence (w/incoming to Controller's)
Central Files
Dept. Files
Chron. Files

CONTROL #: PE-O-27

LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

511 PE
"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

109153

Lima, Agosto 26 de 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington D.C. 20433
U.S.A.

Ref: LOAN 511 PE
Central Matucana
Compuertas y ataguías
Pedido 20012 - Noell

Muy señores nuestros:

Tenemos a bien remitir adjunto, para su información y archivos, una copia de la confirmación definitiva del pedido del rubro por un monto total de DM. 527.387,50.

Como Uds. podrán notar, la orden ha sufrido un aumento con respecto al importe indicado en el pedido definitivo que remitimos a Uds. con nuestra Aplicación Nr.21 del 19.2.70 por un valor de DM. 475.865,00.

Respecto a este aumento deseamos informar a Uds. que la firma Noell con carta de 23.4.70 nos comunicó que se encontraba en dificultades financieras y que a fin de evitar la quiebra había solicitado a Los Tribunales de Wuerzburg-Alemania inicien el procedimiento de conciliación de sus bienes con una cuota del 40%. Posteriormente y luego de diversas gestiones Noell consiguió que la firma Salzgitter-Stahlbau absorbiera sus obligaciones y se responsabilizara por el cumplimiento de nuestra orden de pedido pendiente.

La firma Salzgitter sin embargo puso como condición para ejecutar el pedido que se reconociera un incremento de precio del 10%, motivado por el mayor costo de materias primas y aumento de salarios.

Ante esta delicada situación y ante la premura de tiempo no consideramos oportuno rescindir el contrato con Noell, a fin de poder garantizar la prevista fecha de puesta en servicio de la Central de Matucana y dimos a Noell nuestra aprobación al aumento del 10% solicitado. Para su mejor información remitimos adjunto copias de los siguientes documentos: carta de Noell de 23.4.70 - telex a Motor-Columbus de 14.5.70 - carta de MC-Baden de 18.6.70 con anexos y telex a MC-Baden de 1.7.70.

En consideración de lo expuesto confiamos contar con su aprobación y les agradeceríamos se sirvan darnos su aprobación al monto definitivo de depedido por DM. 527.378,50.

Original to: *fu. Proj*

Date: *9-1-70*

Communications
Section

..... 2

Lima, 26.8.70

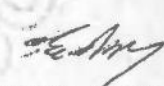
Empresas Eléctricas Asociadas, Lima / International Bank for Reconstruction and Development, Washington

Por la atención que se sirvan dispensar a la presente damos a Uds. nuestras gracias anticipadas y en espera de sus noticias, aprovechamos para saludarles

muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO

anexos:anunciados

Wts



LIGHT
AND
POWER
COMPANY

CONDE DE SUPERUNDA
(VERACRUZ) 201
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

511 PE
"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"
EMPRESAS ELECTRICAS ASOCIADAS

108754

Lima August 18, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington D.C. 20433
U.S.A.


Loan 511 PE
Matucana Power Plant
Load Dispatching System Vera Cruz

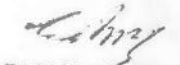
Dear Sirs:

We are pleased to send you herewith enclosed for your records
and information a copy of the Contract signed by us with Motor
Columbus, Baden, covering the Design and Engineering Supervision
for the above mentioned Load Dispatching System Vera Cruz, dated
June 18, 1968. We apologize for having omitted to send you these
document before.

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CHOCCHI
GERENTE


ENRIQUE BAEZ
GERENTE ADMINISTRATIVO

1 Encl.

 wts/hn

Original to: P.U. Proj
Date: 8/26/70
Communications
Section

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL DEVELOPMENT ASSOCIATION

OFFICE MEMORANDUM

TO: Mr. Richard H. Sheehan *RHS* August 12, 1970
FROM: R. V. Sear *RVS*
SUBJECT: PERU - Loan 511-PE - Empresas Electricas Asociadas
Project Supervision
Full Report

LOAN DATA

Loan Number:	511-PE
Loan Amount:	US\$17.5 million
Amount Withdrawn as at July 31, 1970:	US\$3.6 million
Signing Date:	September 11, 1967
Effective Date:	December 28, 1967
Closing Date:	November 1, 1972
Rate of Exchange:	Certificate US\$1 = S/.38.70 Free US\$1 = S/.43.70

This report presents the findings of a mission to Peru in July 1970, in accordance with the terms of reference dated July 1, 1970 which confined the mission to reviewing the financing plan for the Matucana Project and to discussions with the Government on the damage to power systems caused by the earthquake in May 1970.

SUMMARY AND CONCLUSIONS

Empresas Electricas Asociadas (Lima Light) has overcome the financial problems (for 1970) which it was experiencing earlier this year in obtaining local currency to meet the construction costs of the Matucana Project (Loan 511-PE), now under construction and scheduled for completion at the end of 1971. The company has recently been able to sell common stock in Lima to raise the needed funds. It plans to sell preferred stock in 1971 to obtain the necessary funds in that year and if conditions in the financial market remain as they are at present, this plan should be feasible. However, in view of the constantly changing scene it is recommended that this matter should again be reviewed during the mission scheduled for March/April 1971 to appraise a proposed distribution project.

The May 31 earthquake severely damaged the power plant at Canon del Pato (100 MW) serving Chimbote where only small captive diesel plants remain in service. Only street lighting and emergency service are available in Chimbote and Trujillo. The Government is in discussion with the U.S. Government to try to arrange for emergency floating plants. It has also placed orders for gas turbines financed by IDB for delivery around the end of 1970. There is at present no role for the Bank in this situation.

August 12, 1970

The most significant event now taking place in the Power sector is that the Government is going ahead with its plans to create an Electric Power Agency to coordinate all future power development throughout the country. This is long overdue because power development outside the Lima area has been haphazard in the past. It has requested the assistance of UN experts to draft the proposed legislation to create this new entity. This matter should be reviewed during the next mission to Peru scheduled for March/April 1971 because it could have a profound effect on the Bank's future position in the sector.

The Government-owned Mantaro Corporation which is constructing the Mantaro Hydro plant (330 MW) scheduled for service in 1973, intends to request a UNDP grant under Bank supervision to prepare the feasibility study for the next step of power expansion for which the Mantaro Corporation is contemplating requesting a Bank loan in 1972. It is recommended that the Bank should undertake the supervision of a UNDP financed study if this materializes as it would give the Bank an opportunity of influencing the development of the power sector since the Government has recently decreed that all future power generation in the central region of the country will be carried out by the Mantaro Corporation. Up until now the private company (Lima Light) has served the region exclusively.

EMPRESAS ELECTRICAS ASOCIADAS (LIMA LIGHT)

Financing Plan and New Loan

During the Bank's economic mission to Peru in May 1970 it was found that Lima Light was experiencing considerable difficulty in obtaining the required local currency to finance the Matucana Hydroplant now under construction (Loan 511-PE). The company had originally intended to sell securities in Lima to raise the funds but the financial market had become very depressed because of uncertainties created by the policies of the Junta.

In June the Junta issued decrees 18275 and 18302 which obliged all Peruvians to repatriate their foreign exchange holdings and to sell them to the Central Bank for Soles. The decrees also created the National Securities Commission and caused all security transactions to be made through the Stock Exchange. The influx of foreign exchange exceeded US\$70 million and consequently the equivalent of this money in soles, amounting to Soles 2800 million, was seeking investments in Peru. The price of the company's common stock (Soles 100 par value) increased to Soles 94 from its May 1970 low of Soles 65.

In order to utilize this new situation the company made arrangements with its Swiss stockholders to sell 1,500,000 common shares belonging to them at a net price of Soles 90 per share. The proceeds were then to be lent to the Company in return for 6 year Swiss Franc Debentures at 10% per annum interest. This operation will provide the local currency to meet the company's construction costs for the remainder of 1970. If the present

To: Mr. Sheehan

- 3 -

August 12, 1970

conditions of the financial market remain as at present the company plans to offer Preferred Stock in 1971 to raise the cash to meet its construction costs to complete the Matucana Project in October 1971. Since the Preferred Stock is denominated in US dollars, although by law the dividends can only be paid in Soles to Peruvian stockholders, it is still attractive as an investment. Therefore the company feels that its financing plan for 1971 is feasible. However, in view of the fluid situation in Peru it is recommended that the Bank keep this matter under constant review. For this purpose Lima Light has agreed to send revised financial tables to the Bank in September 1970 along with the application for a Distribution Loan of about US\$20 million to finance its 1971-75 program of distribution system expansion. The Project could be appraised in March/April 1971 after the revaluation of assets and the new tariffs have been approved by the Government and after the Company's annual meeting. The Bank loan would be made in the second half of 1971 to meet construction schedules starting in 1972.

The Matucana Project and Load Forecast

The Matucana Hydro electric plant is proceeding on schedule and is expected in service by October 1971. The cost is now expected to be about 10% below the original estimate because the contingency provisions were not required. Most of the savings from the Bank loan have been committed to finance additional transmission works with the Bank's approval.

In 1969 load growth for the Company's service area was estimated at 10% per annum which was considered conservative since growth in past years had been as high as 14% per annum. However, during the past year growth has fallen below 8% and is now only expected to reach the 10% figure by the end of 1970. Therefore, the power shortage previously feared will not materialize and when Matucana comes into service at the end of 1971 it will be available slightly sooner than required. Hence the urgency for new generating capacity, which will be provided by the Mantaro (330 MW) plant now under construction by an Italian consortium for the Government, is also lessened and the delays being experienced in the completion of the Mantaro plant will no longer be of consequence from the point of view of meeting system demand.

EARTHQUAKE DAMAGE

The earthquake which occurred on 31 May in Peru was one of the worst ever experienced. The Callejon de Huaylas some 400 km north of Lima was very badly damaged and whole villages were wiped out. It is estimated that over 50,000 people died and over 200,000 are homeless. Lima city felt the effects and some damage to property was experienced but no casualties resulted.

The power system in the Callejon de Huaylas, consisting principally of the Canon del Pato (100 MW) hydro plant was badly damaged and put out of action. The entire intake structure was demolished and the underground power house floor covered with over one meter of mud. A UN team is surveying

To: Mr. Sheehan

- 4 -

August 12, 1970

the damage to the equipment and tunnel. Their present estimate is that it will take 6 - 12 months to get the plant back in service.

The two principal coastal towns affected are Chimbote and Trujillo; both receive their power supply from the Canon del Pato plant. Consequently only street lighting and emergency services are being provided in these towns from small captive diesel plants.

The Government is in discussion with the US Government to try to obtain floating power plants to provide badly needed emergency power. The Santa Corporation, which owns the Canon del Pato plant has ordered 3 x 60 MW of gas turbines from the G.E. Company to be financed from an IDB loan. This equipment will become available about the end of 1970. The IDB loan will also be used to finance the cost of repairs to the Canon del Pato plant and eventually for the construction of a 220 kV transmission line from Lima to Pativilca and Chimbote. This transmission line will not help in the present emergency but will interconnect the devastated region with the central power system so that alternate power sources would be available in future. Until more information is available the economic justification for the line is not known.

At the present time there is no role for the Bank in this situation.

THE POWER SECTOR

The military Junta has started to make some far reaching moves in the Power Sector which could be of importance to the Bank and alter the Bank's future position in the sector. Until the present, the Bank has made loans exclusively to Empresas Electricas Asociadas (Lima Light), the largest power entity in the country serving the Lima area which is also the principal population, commercial and industrial center of the country.

The Government is now studying and has requested assistance from the UN to formulate legislation to create a new Power Entity to be called Electrop Peru which will coordinate all future power development for the country. The exact nature of this proposed entity is not yet known but it would be modelled after Electrobras in Brazil; the Peruvian Government intends to consult with Brazil and Chile, as previously suggested by the Bank, on the experiences in those countries with state owned power entities. Basically the proposal meets a long felt need in Peru. Previously, apart from Lima Light, power development has been in the hands of the Government owned autonomous development corporations which have unfortunately not been on a sound economic footing. Power development itself has been on a haphazard basis and has often been influenced by considerations other than economic justification and market needs. If the proposed entity is established on a sound basis it could materially improve this situation. It would therefore appear important for the Bank to keep in close touch with this development.

To: Mr. Sheehan

- 5 -

August 12, 1970

The Junta has recently decreed that all future power generating planning and construction for the central region of the country will be the responsibility of Corman - the Mantaro Corporation - a government owned power entity created in 1961 to develop the power resources of the Mantaro valley and which is now constructing the Mantaro Hydro project (330 MW first stage) through a consortium of Italian firms which are carrying out the work and providing the major part of the financing for the project. The first stage is now scheduled for service in 1973 and this appears feasible. The Project is already about 2 years behind the original schedule and has been plagued by political, financial and technical problems. During the past two years Corman has made notable progress in improving its own organization under the new General Manager and it should now be possible for the Bank to work effectively with Corman.

Corman is considering approaching the Bank and UNDP for a grant under Bank supervision to obtain consultants to make the feasibility report for the next step of power development for the central region.

The significant effect of these moves by the Government could be to curtail future expansion of Lima Light which would then be limited to being a distributing company with its present generating plant but having to purchase all future power requirements in bulk from Corman. Since Lima Light has been a Bank borrower since 1960 it would be important for the Bank to keep this matter under review.

One of the very important aspects of power development in Peru is that the major population centers are on the Pacific West coast of the country which is largely desert except for the narrow river valleys. Hence one of the biggest development problems of the future is actually the supply of water to the region. Therefore, where hydropower development schemes can also augment the water supply to the region they should be given priority over schemes which only have power benefits. There are a number of such schemes, some have been studied by Lima Light, and this aspect of power planning should be emphasized in any regional study that is made.

Another factor in power development for the central region is the availability of natural gas at Aguaytia. The Cerro de Pasco mining company is greatly interested in developing this by building a gas pipe-line to Oroya where it hopes to build a zinc refinery. The gas would be used to fuel a 200 - 300 MW thermo-electric plant. About 100 - 200 MW of power would be used by the refinery and about 100 MW would be available for sale to Lima Light. This scheme unfortunately depends upon a satisfactory agreement being reached with the Government on the mining activity and the use of the gas before the power aspects can even be considered. Also, to be really useful the thermal plant would have to be integrated with the whole central region grid and function accordingly and not simply serve as an isolated captive plant selling surplus power to the grid.

cc: Messrs. Chadenet, Baum, Piccagli, King, Rovani, Engelmann, Weiner,
Armstrong, Howell, Berrie, Jennings, White, Saeed/Ducker,
Kapur(h)(S.A.)

Central Files, Department Files, Chron. File

RVSear:slk

IBRD

Pe-511

Loan 511-PE

August 11, 1970

Your ref: 108184

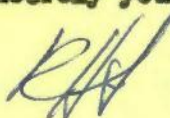
Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Re: Loan 511-PE
Matucana Project
Cooling Water Installation Order

Gentlemen:

We hereby acknowledge your letter of 3 August 1970 with which
you sent us a signed copy of the above mentioned order.

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Central Files
Dept. Files
Chron. File
Mr. Prudence (Controller's) ~~W~~inc.

RVSear:slk
IBRD

CONTROL NO. PE-O-26

Peru 511
- earthquake loan
- All others

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL DEVELOPMENT ASSOCIATION

OFFICE MEMORANDUM

TO: Mr. R. H. Sheehan

July 30, 1970

FROM: R.V. Sear

SUBJECT: CHILE - Loan 479-CH - Discussions with Endesa on its feasibility report on the next power project and on tariff adjustments
PERU - Loan 511-PE - Discussions on Lima Light's financing plan and with Government power entities on earthquake damage
Back-to-Office Report

In accordance with my terms of reference, dated July 1, 1970 I visited Chile and Peru to undertake the discussions described above. The following summarizes the principal findings.

Chile

Tariffs

Endesa applied to the Government at the beginning of this year for a 38% tariff increase which was based upon a 90% dry year instead of a 60% dry year which is the average condition. This was done because of the very dry conditions which have been experienced during the previous three years. The Government has granted an increase of 29% because law 17272 was passed by Congress at the beginning of the year which limited all price increases, including electric power, to a maximum of 29%. The practice by the Government up to now has been to grant a provisional tariff increase at the beginning of the year and to give a further adjustment to authorize the final tariff increase towards the end of the year, when more is known about the hydrological aspects for the year because this influences Endesa's rate of return. For example, this year the rate of return would be 7.5% for a 90% dry year; however should there be a good rainy season during the next two months so that a 60% dry year results, the rate of return would go up to about 8.8%. The Loan Agreement and the Tariff Law allow Endesa a rate of return of up to 10%. Therefore, some further tariff adjustment of the order of 4% to 6% would have to be made towards the end of the year.

Chile is to have its Presidential elections on 4 September, therefore, no action on tariffs can be expected before October. This matter should again be reviewed during the supervision mission to Chile scheduled for November 1970.

Next Power Project

The draft feasibility report prepared by Endesa and the comments and opinions of the Consultants (Merz McLellan, England) were reviewed.

To: Mr. R. H. Sheehan

- 2 -

July 30, 1970

Several suggestions were made for the inclusion of additional arguments and comparisons in the report to obtain a more complete picture. The final report is expected in the Bank early November 1970. The Project could be appraised by March-April 1971 and a loan made towards the end of that year, which would be in time to meet the proposed construction schedule.

The Project, which would form part of Endesa's 1972-80 power expansion program, would consist of about 250-300 MW of thermal plant additions; a 350 MW hydroplant and associated transmission and distribution. The tentative total cost would be US\$187 million of which about US\$73 million would be in foreign exchange.

Endesa is willing to accept joint or parallel financing but feels that some local currency financing would be required because of the higher local currency component of the hydro plant. It was agreed that the financing would be discussed further when the feasibility report was submitted along with complete project descriptions and estimates and the proposed financing plan later this year.

Peru

Lima Light

The company has obtained agreement from its Swiss stockholders to sell about US\$3 million of their common stock in Peru and to accept in place 6 year debentures notes at 10% per annum interest. About US\$2.5 million of shares have been sold already and the balance is expected to be placed during the next month. Thus the company will have sufficient funds with which to meet the construction costs of the Matucana Project (Loan 511-PE) until April 1971, which would provide the major part of the funds to complete the project in October 1971. The balance of the required funds would be obtained by the proposed sale of preferred shares in 1971.

The principal reason for the dramatic change in the financial picture since May 1970 is the foreign exchange decree passed by the Government in May 1970, which required all Peruvians to repatriate all foreign exchange held abroad and to sell it to the Central Bank. Much of this money is now seeking investments in Peru. Quotations for Lima Light's common stock (par value Soles 100) increased to Soles 94 from the May 1970 low of about Soles 65.

Earthquake Effects on Power Sector

The earthquake which occurred in June 1970 created devastating damage in the Callejon de Huaylas where the 100 MW Canon del Pato hydro plant has been severely damaged and is expected to be out of service for from 6 to 12 months, depending upon the findings of a team of experts from the United Nations now assessing the damage. The towns

To: Mr. R. H. Sheehan

- 3 -

July 30, 1970

of Chimbote and Trujillo are without power supply except for street lighting and emergency services.

The Government is discussing the possibility of obtaining the use of a floating power plant from the United States Government. It has placed orders for three 20 MW gas turbines from General Electric Co. financed by IDB and is considering the eventual construction of a transmission line to link Lima with Pativilca and Chimbote. This would however not help in the present emergency but would provide future alternate power sources for this section of the coast. IDB is expected to finance the transmission line.

There does not seem to be any role for the Bank in this situation since IDB has already agreed to finance the immediate requirements and conversations are taking place with the United States Government on the short term emergency supply by a floating plant.

cc: Messrs. Chadenet
Baum
Piccagli
Kovani
King
Engelmann
Weiner
Armstrong
Howell
Berrie
Jennings
White
Saeed/Ducker
Lind
A. Shibusawa (South America)
S. Kapur (South America) (4)
de Beaufort
Wessels
Central Files
Department Files
Chron. File

RVSear:slk
IBRD

**LIMA
LIGHT
AND
POWER
COMPANY**

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU

Pe-511 Admin

EMPRESAS ELECTRICAS ASOCIADAS

107229

Lima, 1º de julio de 1970

Date Rec'd. July 8/70

Date Ack'd. _____

Assigned to Sheehan

Mr. RAPT. Ng

Señores
International Bank for
Reconstruction and Development
1818 H. Street N.W.
WASHINGTON, D.C. 20433

Ref: Loan N° 511 -PE
Matucana Power Project

*How
DOES THIS
GRAB YOU?*

PE-0-20.

Estimados señores:

En julio de 1969 se realizó una licitación internacional para el suministro de 32,000 aisladores de suspensión. Luego del estudio de las ofertas y aprobación por parte de ustedes de nuestra recomendación, se otorgó la orden a Sediver Pilkington International.

La cantidad de aisladores licitados fue hecha en base a una estimación preliminar, porque no se había efectuado todavía el proyecto de la línea. Ahora que el proyecto está totalmente concluido, se ha visto la necesidad de incrementar, aproximadamente, 18.5% la cantidad de aisladores.

En la última comunicación del representante de los fabricantes (cuya copia adjuntamos), nos informan que el precio unitario para la oferta de 6,000 aisladores es de FF. 13.00 FOB Marsella, en lugar de FF. 10.912 ofertado para la licitación. Ellos justifican esta alza de costo con la devaluación del Franco ocurrido en agosto de 1969, posterior a la licitación.

Como los aisladores deben ser instalados en las mismas líneas para las cuales están destinados los anteriores, estimamos conveniente mantener el mismo aislador en la totalidad de la línea.

Por lo tanto, agradeceremos se nos autorice ampliar el pedido a Sediver Pilkington International en 6,000 aisladores más, a un precio unitario de FF. 13.00 por unidad, FOB Marsella.

Atentamente,
EMPRESAS ELECTRICAS ASOCIADAS

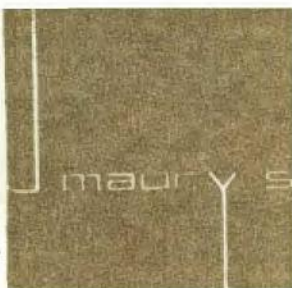
LIMA LIGHT & POWER CO.

JOSE CROCI
GERENTE

ENRIQUE BROU
GERENTE ADMINISTRATIVO

VC

VG/ir.



REPRESENTACIONES INDUSTRIALES

San Isidro, 2 de junio de 1970

Señores
EMPRESAS ELÉCTRICAS ASOCIADAS
Veracruz 261
L I M A

Atención: Sr. Ing. Leopoldo DE LUCA

Objeto : Su pedido n° 20016/0003/277 - Aisladores
tipo Anti-fog, de nuestra representada
SEDIVER PILKINGTON INTERNATIONAL

Muy señores nuestros:

En relación a su atenta carta del 22 de mayo de 1970, les informamos que nuestra representada SEDIVER PILKINGTON INTERNATIONAL nos acaba de comunicar, por telex, que el mejor precio actual para los 6,000 Aisladores tipo Anti-fog es de F.F. 13.00, por unidad, F.O.B. MARSELLA.

En consecuencia, les rogamos muy atentamente, darnos su acuerdo para que su pedido adicional les sea facturado a este precio.

Nos permitimos recordarles que su pedido n° 20016/9000/467 por 32,000 Aisladores nos ha sido confiado en fecha 9 de setiembre de 1969.

La Licitación Internacional convocada por su compañía tuvo lugar el 25 de julio de 1969, en esta ocasión nuestra representada remitió el precio de F.F. 10.912, F.O.B. MARSELLA, por aislador. El 14 de agosto de 1969, tuvo lugar en Francia una devaluación de la moneda, de 12.5%, nuestra representada sostuvo, sin embargo, su oferta inicial, tomando a su cargo la diferencia de precio resultado de la devaluación del Franco.

Desgraciadamente la coyuntura actual del mercado, no permite a SEDIVER PILKINGTON INTERNATIONAL de sostener el precio remitido, a raíz de la Licitación del 25 de Julio 1969.


Esperando poder contar con su comprensión, y esperando que Uds. podrán confirmarnos el pedido adicional por 6,000 ais

.../...

2.6.70

ladores, según su carta del 22 de mayo de 1970, nos sus-
cribimos de Uds. sus,

Attos. y Ss., Ss.,


E. LION

EL/at.

Pe-511 *Adm. fin.*

OFFICE MEMORANDUM

TO: Mr. R. H. Sheehan

DATE: July 16, 1970

FROM: R. Ribí *ll*SUBJECT: PERU Loan 511-PE
Matucana Project
Insulator Contract

1. In its letter of July 1, 1970 Empresas Electricas Asociadas (EEA) asked us to approve a modification of its order of September 9, 1969 to Sediver Pilkington International of France for 32,000 glass insulators. The change comprises
 - (a) a 6,000 units increase of the number of insulators to be supplied, and
 - (b) a new unit price of US\$2.33 FOB Marseille (US\$2.80 CIF Callao) against US\$2.20 FOB Marseille (US\$2.63 CIF Callao) in the initial order.
2. The change is due to the fact that EEA had based the quantities included in the bid documents on a preliminary layout instead of a final project.
3. If we accept the new price Sediver Pilkington is asking for the additional 6,000 units, one of the 38,000 units forming the total order would cost US\$2.65 CIF Callao which is still 1 US¢ below the price of an insulator as proposed by the second lowest bidder of the 1969 bidding.
4. I propose to approve the above change of the insulator order.
(See letter of July 16, 1970.)

RRibi:ab
IBRDcc: Central Files
Department Files
Chron. Files
Mr. Keltie (Controllers)
Mr. Sear

Pe - 511 Admin.



INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

1818 H Street, N.W., Washington, D. C. 20433, U.S.A.

Area Code 202 • Telephone - EXecutive 3 6360 • Cable Address - INTBAFRAD

July 16, 1970

Empresas Electricas Asociadas
Apartado 1384
Lima
PERU

Re: PERU Loan 511-PE
Matucana Project
Insulators

Dear Sirs,

We acknowledge with thanks receipt of your letter No. 107229 of July 1, 1970. Please be advised that we have no objection to your increasing the insulator order of September 9, 1969 to Sediver Pilkington International (France) by 6,000 units at FF. 13.00 per unit FOB Marseille.

Sincerely yours,

R. H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

Mr. R. H. Sheehan

July 16, 1970

R. Ribí

PERU Loan 511-PE
Matucana Project
Insulator Contract

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4. I propose to approve the above change of the insulator order.
(See letter of July 16, 1970.)


RRibí:ab
LBRD

cc: Central Files
Department Files
Chron. Files

**LIMA
LIGHT
AND
POWER
COMPANY**

CONDE DE SUPERUNDA
(VERACRUZ) 261
LIMA - PERU
TELEFONO 276200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

107829

Lima, July 16, 1970

INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT
1818 H Street, N.W.
Washington, D.C. 20433
U. S. A.

Date Rec'd. *July 22/70*

Date Ack'd. *Not Rec'd*

Assigned to *HR. SANC*

Re: Loan 511 PE
Project of wording for bidding documents

PG-0-23

Gentlemen:

We have received from Mr. R. V. Sear, on the occasion of his recent visit to Lima, a project of wording to be adopted in all bidding documents in reference with our Loan 511-PE.

We are pleased to inform you that we shall adopt the first alternative, reading is follows:

" The Contractor shall not make any expenditure for the purposes of the Contract in the territories of any country which is not a member of the International Bank for Reconstruction and Development (except Switzerland)."

Yours faithfully

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

[Signature]
JOSE CROCI
GERENTE

[Signature]
ENRIQUE BROU
GERENTE ADMINISTRATIVO

[Signature] gt.

July 16, 1970

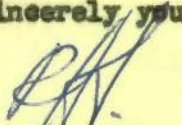
Empresas Electricas Asociadas
Apartado 1384
Lima
PERU

Re: PERU Loan 511-PE
Matucana Project
Insulators

Dear Sirs,

We acknowledge with thanks receipt of your letter No. 107229 of July 1, 1970. Please be advised that we no objection to your increasing the insulator order of September 9, 1969 to Sediver Pilkington International (France) by 6,000 units at FF. 13.00 per unit FOB Marseille.

Sincerely yours,


R. H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

ab
RRib1:ab
IBRD

cc: Mr. Keltie (Controllers w/incoming)
Central Files
Dept. Files
Chron. Files
Mr. Sear
CONTROL NO: PE-0-20

Loan 511-PE

July 6, 1970

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Power Project
Electric Meter Contract

We hereby acknowledge your letter of June 22, 1970 with which you sent us the comparison of bids for the above contract with your recommendation for the award.

Please be advised that we have no objection to the award being made to the lowest bidder as you suggest, to Compania de Contadores, Spain in the amount of Spanish Pesetas 8,050,000 (approximately US\$115,000).

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Mr. Keltie (w/i) (Controller's)
Central Files
Department Files
Chron. File

RVSear:pwv

IBRD

CONTROL NO. PE-O-18

INCOMING CABLE

DATE AND TIME
OF CABLE:

JULY 3, 1970

LOG NO.:

ITT TELEX/4

TO:

INTBAFRAD

FROM:

LIMA

TEXT:

Date Ack'd.

Assigned to

ACTION COPY:

INFORMATION
COPY:

DECODED BY:

ROUTING

FU - POWER I

PUBLIC UTILITIES PROJECTS

FOR MR. VAUGHAN SEAR PROJECTS DEPARTMENT

**WE THANK YOU FOR YOUR CABLE OF JULY 2 AND ARE VERY PLEASED ABOUT YOUR VISIT.
WILL RECEIVE YOU AT THE AIRPORT AND BE AT YOUR DISPOSAL ON MONDAY, JULY 13,
TRUSTING THAT YOU WILL BE ABLE TO ACCOMPANY US FOR LUNCH. ALSO, WE CONFIRM
RESERVATION AT THE HOTEL BOLIVAR. BEST REMARDS**

MARIOTTI/ASOCIADAS

LIGHT 3540057

Jul 4 1 40 PM 1970
COMMUNICATIONS
SECTION

TYPED

LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

PE - 511
"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

107325

Lima, July 3, 1970

Messrs
International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U. S. A.

Re: Loan 511-PE - Matucana Project

Gentlemen:

We hereby refer to your letter dated June 24, 1970 regarding our contract for overhead travelling cranes.

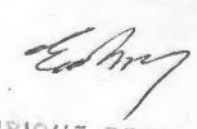
We send you enclosed herewith our application for advance N°43 with 1 summary sheet for Portuguese Esc. 784,436.00 in substitution to the one you have returned to us.

We ask you please to deposit the mentioned amount with the bank indicated on the enclosed summary sheet.

Thanking you in advance and awaiting your withdrawal authorization, we remain

Very truly yours
EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO

Original to: P. U. Proj.
Date: 7-13-70
Communications
Section

Enclosures:
1 application and
documents

st.

LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

PE-511
"AÑO DE LOS PRECURSORES DE LA INDEPENDENCIA DEL PERU"

EMPRESAS ELECTRICAS ASOCIADAS

107401

Lima, July 2, 1970

Messrs
International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U. S. A.

Re: Loan 511-PE

Dear Sirs:

We refer to your letter dated June 25, 1970 and send you herewith signed copies as requested of the orders to Messrs Brown Boveri & Co., Ltd., Baden, Switzerland, N° 20028 and 20029 regarding respectively

- 220 kV compressed air circuit breakers, and
- 220 kV disconnecting switches three-pole

Thanking you for your withdrawal authorization, we remain

Yours faithfully

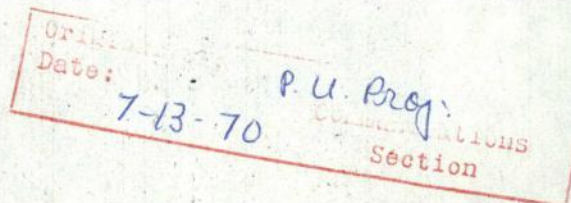
EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO

encl: Copies of orders

gt.



INTERNATIONAL DEVELOPMENT
ASSOCIATION

INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL FINANCE
CORPORATION

PE 511

OUTGOING WIRE

TO: MARIOTTI

ASOCIADAS

LIMA

COUNTRY: PERU

DATE: JULY 2, 1970

CLASS OF
SERVICE:

IF 10F Sent
178

TEXT:

Cable No.: WILL ARRIVE LIMA TWELFTH JULY FLIGHT BN 905 STOP EXPECT TO STAY HOTEL BOLIVAR
AND LEAVE FOR CHILE ON FOURTEENTH STOP WOULD APPRECIATE SEEING YOU MORNING
THIRTEENTH STOP REGARDS

SEAR

INTBAFRAD

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME Richard H. Sheehan

DEPT. Public Utilities Projects

SIGNATURE 
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

REFERENCE:

CLEARANCES AND COPY DISTRIBUTION:

cc: Central Files
Department Files
Chron. File

Loan 511-PE

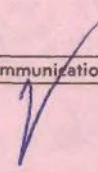
RVSear:pww

IBRD

For Use By Communications Section

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

Checked for Dispatch: 

RECEIVED
JUL 2 10 58 AM 1970
COMMUNICATIONS

PE-511

OUTGOING WIRE

TO: RATTO CORMAN

DATE: JULY 2, 1970

LIMA

CLASS OF
SERVICE: **TELEX 3540112**

COUNTRY: PERU

HK

TEXT:

Cable No.: EXPECT TO BE IN LIMA ON THIRTEENTH JULY AT HOTEL BOLIVAR STOP WOULD APPRECIATE
APPOINTMENT WITH YOU AND MARTINELLI IN AFTERNOON STOP REGARDS

SEAR

INTBAFRAD

NOT TO BE TRANSMITTED

AUTHORIZED BY:

NAME Richard H. Sheehan

DEPT. Public Utilities Projects

SIGNATURE *R. H. Sheehan*
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

REFERENCE:

CLEARANCES AND COPY DISTRIBUTION:

cc: Central Files
Department Files
Chron. File

RV Sear: pww
IBRD

For Use By Communications Section

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

Checked for Dispatch: *[Signature]*

COMMUNICATIONS

JUL 2 11 30 AM 1970

JUL 2 11 30 AM 1970

JUL 2 11 30 AM 1970

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JUL 2 11 30 AM 1970

RECEIVED JUL 2 11 30 AM 1970

RECEIVED JUL 2 11 30 AM 1970

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COMMUNICATIONS

COMMUNICATIONS

JUL 2 11 30 AM 1970

DISPATCHED

JUL 2 11 30 AM 1970

JUL 2 11 30 AM 1970

LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

107229

Lima, 1º de julio de 1970

Señores
International Bank for
Reconstruction and Development
1818 H. Street N.W.
WASHINGTON, D.C. 20433

Ref: Loan N° 511 -PE
Matucana Power Project

Estimados señores:

En julio de 1969 se realizó una licitación internacional para el suministro de 32,000 aisladores de suspensión. Luego del estudio de las ofertas y aprobación por parte de ustedes de nuestra recomendación, se otorgó la orden a Sediver Pilkington International.

La cantidad de aisladores licitados fue hecha en base a una estimación preliminar, porque no se había efectuado todavía el proyecto de la línea. Ahora que el proyecto está totalmente concluido, se ha visto la necesidad de incrementar, aproximadamente, 18.5% la cantidad de aisladores.

En la última comunicación del representante de los fabricantes (cuya copia adjuntamos), nos informan que el precio unitario para la oferta de 6,000 aisladores es de FF. 13.00 FOB Marsella, en lugar de FF. 10.912 ofertado para la licitación. Ellos justifican esta alza de costo con la devaluación del Franco ocurrido en agosto de 1969, posterior a la licitación.

Como los aisladores deben ser instalados en las mismas líneas para las cuales están destinados los anteriores, estimamos conveniente mantener el mismo aislador en la totalidad de la línea.

Por lo tanto, agradeceremos se nos autorice ampliar el pedido a Sediver Pilkington International en 6,000 aisladores más, a un precio unitario de FF. 13.00 por unidad, FOB Marsella.

Atentamente
EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COY

JOSE CROCI
GERENTE

ENRIQUE BROU
GERENTE ADMINISTRATIVO

VG/ir.

Original to: RU-PRO
Date: 7/7/70
Communications
Section

CF. ✓ 511-PE
cc Tof R

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT
INTERNATIONAL DEVELOPMENT ASSOCIATION

OFFICE MEMORANDUM

DATE: July 1, 1970

TO: Mr. R.V. Sear

FROM: Richard H. Sheehan *eh*

SUBJECT: COSTA RICA - Loan 631-CR - Project Supervision
CHILE - Loan 479-CH - Discussions with Endesa on
tariff adjustments.
Review of proposed future power expansion program.
PERU - Loan 511-PE - Discussions on Lima Light's financing plan.
Discussion with Government's power entities on
earthquake damage.
Terms of Reference.

Your assignment starting on July 8, 1970 will be to accompany Mr. Bouhaouala to Costa Rica where you will introduce him to ICE and CNFL officials and start the supervision mission as detailed in Mr. Bouhaouala's terms of reference.

On July 11, 1970 you will proceed to Santiago, Chile, where you will have discussions with Endesa on the following:-

- (1) The tariff adjustments allowed so far by the Government for 1970 have been limited to 29% which would appear to be below that allowable under the electricity law. Endesa is in discussion with the Government on this matter and you should ascertain what progress is being made to permit Endesa to obtain the full required adjustment to its tariffs and whether any formal approach to the Government by the Bank is required.
- (2) Endesa has completed its report on its future power expansion program. You should review this and the consultant's opinion on the report with Endesa to ascertain the timing of this program and in particular the setting of a tentative date for an appraisal mission.
- (3) In view of the possibly large foreign exchange component of the program for the next 5 years (about US\$100 million) and the fact that the Bank is contemplating a loan of not more than about US\$50 million, you should explore with the Chilean authorities the various alternatives for obtaining the balance of the foreign exchange requirements.

To: Mr. R.V. Sear

- 2 -

July 1, 1970

On July 22, you should proceed to Lima, Peru, where you will undertake the following discussions:-

- (a) With Lima Light on the position of the local currency financing plan for the Matucana project now under construction.
- (b) With the Government on the effects of the earthquake on requirements in the power sector in the short and long term.

Upon your return to the Bank you should submit a back-to-office report immediately, to be followed as soon as possible by a full report on the Chilean and Peruvian situations.

Cleared with and cc: Messrs. Glaessner (S.A.), Kapur (S.A.) (4 each)

cc: Messrs. Chadenet
Baum
Weiner
Armstrong
Howell
Berrie
Jennings
White
Saeed/Ducker

Central Files (6)
Department Files (3)
Chron. File

RVSear:pww
IBRD

LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

106950

Lima, June 22, 1970

Messrs
International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington D.C., 20433
U. S. A.

Re: Loan 511 PE
Matucens Power Project

Gentlemen,

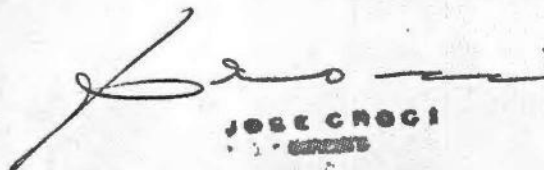
We are enclosing herewith for your information and approval the "Report and recommendation for award of Contract" regarding

Electric three-phase meters

for the above mentioned Project.

Awaiting your conformity, we remain

Yours very truly
EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

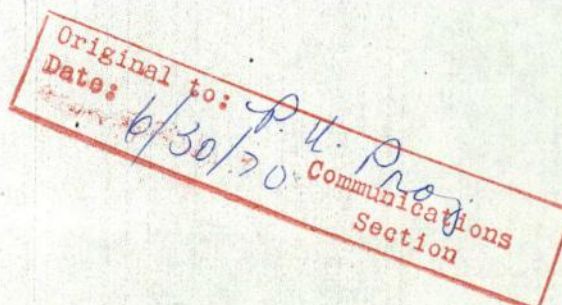

JOSE CRAGI
DIRECTOR


ENRIQUE BROU
GERENTE ADMINISTRATIVO

Encl.: 1 recommendation

gt.





OFFICE MEMORANDUM

TO: Mr. Gerald Alter

DATE: June 29, 1970

FROM: Bernard Zinman *Bz*SUBJECT: PERU - Back-to-Office Report

1. From June 17-20, 1970, I visited Peru for the purpose of assisting Mr. van Helden and Mr. Schaeffer (consultant), who were formally part of a United Nations Development Programme (UNDP) mission headed by Mr. Toni Hagen. On June 22 and 23, I represented the Bank as an observer at an extraordinary session of ECLA held at United Nations headquarters in New York. ECLA's purpose for calling the meeting was to obtain formal support of its member countries in seeking and expediting financial assistance for earthquake rehabilitation from bilateral sources and international agencies.

2. It was our original understanding that the UNDP mission to which our experts were attached would assess the Peruvian Government's estimate of rehabilitation requirements with a view toward establishing a reasonably firm program which could be used by the Peruvian Government and all external agencies as a basis for determining priority requirements and appropriate sources of financing. It turned out that the UNDP's immediate goal was to formulate a short-term rehabilitation project which could be approved immediately by the UNDP Government Council (see paragraph 14). While the Bank representatives cooperated with the UNDP and received considerable logistical help from the UNDP Resident Representative, they worked independently once the broader review meetings at the ministerial level were completed. The Bank experts were able to obtain the type of data necessary to examine the possibility of a loan for rehabilitation, at least for the road sector.

3. There is no agency, inside or outside the Peruvian Government, which is making a comprehensive review of rehabilitation requirements; nor is there a financial plan. I stressed this point to Mr. Raul Prebisch who had been appointed by U Thant to be his personal representative for the purpose of coordinating the activity of all assistance by United Nations agencies to Peru for earthquake rehabilitation. An objective review of such rehabilitation requirements and the establishment of a well-conceived plan will be essential if the Peruvians are to tackle the task of rebuilding properly.

4. In my judgment, it will not be necessary to interrupt preparation of the economic report in order to send a follow-up mission to Peru to take into account the effects on the economy of the earthquake. Discussions with the Ministry of Finance and others indicate that, while there may be some upward pressures on public investment in connection with the earthquake rehabilitation, the main line of analysis now being pursued in Mr. Sapir's back-to-office report, i.e., the effect on creditworthiness of alternative levels of copper investments, with or without further debt rescheduling, will not be materially affected by earthquake rehabilitation. Therefore, completion of the back-to-office report and preparation of the economic report should proceed without further economic work in the field at this time. In a separate memorandum, we propose to recommend tests for lending to Peru, including a loan related to earthquake rehabilitation.

Peruvian Government Earthquake Action

5. The Government has set up two organizations to deal with requirements related to the earthquake: a national emergency committee; under the Minister of Health, for rescue and care of the injured, and the Commission for Reconstruction and Rehabilitation in the Affected Zones (CRYRZA), under General Carlos Villa Pazos, for the purpose of rehabilitation and reconstruction. The Government has assigned funds to each of these organizations (see paragraphs 7 and 10, below). CRYRZA has powers to administer the execution of rehabilitation work but, in view of the absence of adequate technical staff, its function will probably be to serve as a coordinating agency for rehabilitation and to channel funds to executing agencies for this purpose. The actual administration of rehabilitation projects would thus be carried out by the appropriate ministries or autonomous agencies already responsible for projects in various sectors.

Cost Estimates of Earthquake Rehabilitation

6. Thus far, there has been no firm cost estimate prepared for an earthquake rehabilitation program. A few days after the earthquake of May 31, the Government announced a figure of \$230 million, of which it proposed loans of \$150 and \$35 million from the Bank and the Inter-American Development Bank (IDB), respectively. A mission of the ECLA/ILPES, which visited Peru for about a week shortly after the earthquake occurred, estimated total earthquake damages at \$300 million. The Peruvian Government's latest estimate of total requirements is \$520 million.

7. A distribution of the Government's estimate of rehabilitation requirements by sector, is shown below (in millions of soles):

Transportation and Communication	4,840
Industry and Commerce	1,400
Energy and Mines	569
Agriculture	1,524
Health	353
Education	1,150
Housing	8,450
Fisheries	800
Urban Rehabilitation	1,620
Studies (Promocion?)	<u>1,500</u>

Total: 22,206
(Approximately equal to \$517 million)

The Government has not prepared a financial plan to cover estimated requirements. It is clear, however, at this stage, that it hopes to obtain the bulk of the funds from external sources. Thus far, for earthquake rehabilitation, the Government has earmarked S/704 million (\$18 million) from the 1970 budget by cutting allocations of all agencies by 2 percent across the board. According to the Minister of Finance, no further budget allocations for earthquake rehabilitation are expected to be made this year.

8. In the short time I spent in Lima, Mr. van Helden and I attempted to determine details underlying the Government's estimate of the total cost of earthquake rehabilitation requirements, without much success except in transportation. The Ministry of Transport and Communications presented to us well-organized data distributed by emergency and rehabilitation works. The program, however, included some roads about which there was serious question as to whether they would be required for earthquake rehabilitation. The details of the mission's findings in the transport field, including a discussion of possible projects for Bank financing, will be contained in Mr. van Helden's back-to-office report. (See my further comments in paragraph 14, below.)

9. My stay in Peru was too short to visit more than the Ministry of Transport and the Ministry of Energy. We obtained from the Ministry of Energy a description and estimate of electric power requirements in view of the damage to the 100 MW Cañon del Pato hydroelectric project, which served the cities of Chimbote and Trujillo, as well as the Sogesa steel plant, and dozens of small towns in the earthquake-stricken area. The Ministry of Energy has taken urgent action to acquire stand-by power units, mainly from abroad, and has indicated that it is simultaneously considering interconnection of the affected area with the power sources serving Lima. (Most of the equipment required for this purpose is already in Peru in connection with the Italian-financed Mantaro hydroelectric project. This equipment will not be needed until later and, according to Mr. Mariotti, General Manager of Empresas Electricas Asociadas - Lima Light, can be spared without affecting the timing of completion of the Mantaro project.) It has been estimated by experts of the private power sector in Peru that adequate electric capacity can be made available by a transmission line from Pativilca to the important coastal cities in the earthquake zone within 3-4 months even without restoration of the Cañon del Pato plant. Financing required for power is tentatively estimated at \$25-30 million - \$5-10 million for the transmission line and some \$20 million for additional gas turbine units. (The IDB recently made a \$9 million loan for expansion of capacity of the Santa Corporation, which supplies power to the affected areas.)

External Assistance for Rehabilitation

10. Adequate emergency assistance has been, and continues to be, made from bilateral sources. The Peruvian Government is making available S/405 million (\$10 million) for this purpose, which it obtained from donations. Assistance in the form of personnel, aircraft, medicines, and foods has been supplied by dozens of countries. (The Soviet Union has been conspicuously absent.) Thus far, the U.S. Government covered the bulk of such assistance. The following sources have begun to supply, or have made commitments for, the rehabilitation phase:

11. IDB. While in Peru from June 13-15, the President of the IDB, Mr. Felipe Herrera, announced that IDB would make a \$35 million loan to Peru for earthquake rehabilitation. He promised that the loan agreement would be signed by the end of July and that additional assistance over and above the \$35 million would be made available later. Before his departure for Peru,

Mr. Herrera had discussed the Peruvian request at a meeting of the IDB Board of Directors. The proposed IDB loan would be made in the form of a line of credit to finance a program tentatively consisting of the sectors shown in the table below. We have been informed that the source of funds would be the Fund for Special Operations. The loan would be made for a 30-year term at 3 percent (2-1/4 percent interest and 3/4 of one percent service charge). It would be repayable in local currency.

(In millions of dollars)

Transportation ^{1/}	12.1
Irrigation	3.7
Electric Power	4.6
Urban development (including Housing)	25.0
Water Supply	4.0
Higher Education	0.4
Studies	0.8
Supervision	<u>1.9</u>
Total	<u>52.5</u>

12. U.S. Government. On June 14, the U.S. Government announced a \$10 million grant for earthquake relief and rehabilitation. About \$2.5 million has already been disbursed for emergency relief. AID is now attempting to determine the use of the remaining \$7.5 million of undisbursed funds. While the U.S. Government has made no further commitments above the recent \$10 million grant, we have been informed by U.S. representatives that if suitable rehabilitation projects can be found, additional amounts would probably be made available in the form of loans.

13. Other Bilateral Sources. The Government of Sweden has committed itself to supply 65 technicians and three mobile units for repairs and the setting up of refugee camps in the earthquake-stricken areas. The project contemplates assistance for about one year to help with the immediate requirements for the repair of housing, small electric power installations, roads, bridges, irrigation canals, water supply, and telecommunications. At the ECLA meetings held at the U.N. on June 22 and 23, the Government of the Federal Republic of Germany, without citing a figure beyond \$1.5 million for the emergency phase, indicated that it would make additional funds available for rehabilitation requirements.

14. UNDP. The Chief of the UNDP mission informed us that a first project totalling \$300,000 would include 100 low-cost earthquake-resistant housing on a pilot basis, a study on the rehabilitation of the Cañon del Pato hydroelectric power plant, and the establishment of an urban planning unit within the Peruvian Government. It proposes to consider additional UNDP projects for reconstruction planning and development of the Huaylas valley (where the bulk of the inland damage occurred), an agricultural productivity and in-service training project in the area, and a resettlement scheme.

^{1/} Including approximately \$150,000 for repair of the port of Chimbote, which is in operation, having suffered only a small amount of damage.

15. Bank. During my stay in Peru, Messrs. van Helden and Schaeffer were able tentatively to identify a few roads which require improvement or new construction (Pativilca-Huaraz and Casma-Huaraz, totalling about 200 kilometers combined). They were also investigating the need for reconstruction and improvement of the highway from Huaraz in the south of the Huaylas valley to Caraz and possibly northward to the end of the valley (about 100 kilometers), as well as a possible road to replace the destroyed Santa railroad from Chimbote to Huallanca at the north end of the earthquake-stricken valley. Improvement and construction of the first three of these roads had already been included in the Government's highway investment program for 1970-73 given to the recent Bank economic mission. It remained to be determined whether the roads have a sufficiently high economic justification to require priority consideration. Even if found to be of high priority, the preliminary findings of the Bank mission indicate that a considerable amount of engineering will be required. Finally, among the factors to consider in determining whether the above-mentioned road projects would be feasible is to ascertain the Government's plans for the possibility of resettlement of a large number of inhabitants from the damaged zone. During the few days I was in Peru, I could not obtain information on this point; it seems not to have been considered by the Government.

16. In approaching the question of Bank assistance to Peru for earthquake rehabilitation, we should also consider investigating more thoroughly the need for assistance in electric power where it can be clearly related to rehabilitation, and which may affect the export sector (fishmeal and sugar). In addition, it would make sense to investigate the possibility of joint lending by the Bank and other bilateral lenders. In conjunction with preparation of Mr. Sapir's back-to-office report of the economic mission, we are also examining the implications of a Bank loan at this time on Peru's creditworthiness.

cc: Messrs. Wiese
Avramovic
Knox
Weiner
Sapir
Kapur
Abbate
Asser
Sear
van Helden

OFFICE MEMORANDUM

TO: Mr. Richard H. Sheehan

DATE: June 29, 1970

FROM: Carel de Beaufort

SUBJECT: PERU - Loan 511-PE
Empresas Electricas Asociados (Lima Light)
Financial Position

From Price Waterhouse Peat & Co., we received its report on the financial statements of Lima Light at December 31, 1969. The company's financial position was reviewed during my visit to Lima in May.

A summary of the balance sheet at December 31, 1968 and 1969 follows:

	<u>Dec. 31, 1968</u>	<u>Dec. 31, 1969</u>	
	<u>Soles</u>	<u>Soles</u>	<u>US\$</u>
<u>ASSETS</u>	----- (millions) -----		
Utility Plant - Gross	6,947	7,482	193.3
Less: Accumulated depreciation	<u>1,925</u>	<u>2,105</u>	<u>54.4</u>
Utility Plant - Net	5,022	5,377	138.9
Investments	7	8	0.2
Current Assets	448	476	12.3
Deferred Debits	<u>97</u>	<u>117</u>	<u>3.1</u>
TOTAL ASSETS	<u>5,574</u>	<u>5,978</u>	<u>154.5</u>
<u>LIABILITIES AND EQUITY</u>			
Share Capital, Reserves and Retained Earnings	2,398	2,425	62.7
Long-term Debt	2,527	2,812	72.7
Current Liabilities	<u>649</u>	<u>741</u>	<u>19.1</u>
TOTAL LIABILITIES AND EQUITY	<u>5,574</u>	<u>5,978</u>	<u>154.5</u>

The current position was unsatisfactory at the end of 1968 as well as of 1969. In both cases, the tight liquidity was caused by delays in obtaining financing for the local currency costs of the Matucana project. A year ago, the problem was solved when Sw F 25 million (US\$5.8 million) of long-term bonds were placed, mostly in Switzerland. This year relief was obtained through an issue of three-year bonds totaling US\$6 million, placed with European - mainly Swiss - financial institutions.

Continuing outlays on the Matucana project make it necessary for the company to obtain additional funds later this year. The company planned to place an 8% preferred share issue of US\$5.6 million which has already been approved by the shareholders but as long as quotations for existing preferred shares remain under par it cannot be issued. Since the preferred shares are denominated in US dollars, the foreign exchange law of May 15, 1970, requiring residents to declare their foreign exchange holdings, has introduced a new element of uncertainty. On the other hand, the new exchange law is expected to have the effect of increasing considerably the amount of funds available for domestic investment. The company felt that it would shortly be possible to tap those funds either by an issue of common shares or through borrowings.

In the opinion of Dr. Mariotti, part of the contingencies for Matucana - perhaps as much as S/.100 million (US\$2.6 million) - would not be needed, but his technical people feel that it is too early to reduce the estimates. Savings of this magnitude would considerably ease Lima Light's financing problems for 1971/72.

Although Dr. Mariotti recognized that the existing financing plan (my memo of February 10, 1970) was out of date, there were too many uncertainties to enable us to draft a meaningful new plan. These uncertainties were related to: i) sales of energy projections, ii) the difficulty to raise new funds; and iii) the cost estimates for Matucana.

Since the cash position of Lima Light will once more start to deteriorate during the next months, a new financing plan should be worked out as soon as possible. Mr. Sear will check on this when he will stop over in Lima around the middle of July. Dr. Mariotti promised to submit the new plan to the Bank not later than September.

In the meantime, the earthquake has created a new situation. It is too early to assess its influence on sales of energy in the Lima area and on the Peruvian capital market.


CdeBeaufort:mr1

IBRD

cc: Messrs. Sear

Kapur

Central and Department Files

Pe-571

INCOMING CABLE

DATE AND TIME OF CABLE: **JUNE 18, 1970**

LOG NO.: **ITT TELEX/18**

TO: **INTBAFRAD**

FROM: **LIMA**

ROUTING

ACTION COPY: **P. U. POWER I**

INFORMATION COPY: **PUBLIC UTILITIES PROJECTS**

DECODED BY:

TEXT: **SEÑOR ROBERT VAUGHAN SEAR**

DEBIDO A TERREMOTO ZONA NORTE DE PERU PLANTA CANON DEL PATO DE CORPORACION PERUANA DEL SANTA PARALIZARA PARA REPARACION POR LO MENOS DIEZ MESES.

ZONA CHIMBOTE TRUJILLO REQUIERE SUMINISTRO DE EMERGENCIA POR GRUPOS GENERADORES U OTRAS SOLUCIONES. PARA TAL EFECTO NOS ESTAMOS DIRIGIENDO POR TELEX A ENTIDADES Y EMPRESAS DE VARIAS NACIONES EN LOS SIGUIENTES TERMINOS CON LA FINALIDAD DE ENCONTRAR SOLUCIONES ALTERNATIVAS STOP:

"PARA SERVICIO ELECTRICO DE EMERGENCIA DURANTE DIEZ MESES EN ZONA TERREMOTO DE PERU GOBIERNO PERUANO REQUIERE CON CARACTER URGENTE PUESTO EN PUERTO SALAVERRY (TRUJILLO) O CHIMBOTE PERU DOS UNIDADES GENERADORAS DE 5 A 10 MW CADA UNA, 60 CICLOS, DE PREFERENCIA TRANSPORTABLES. EL OFRECIMIENTO DEBERA INDICAR SISTEMA DE REFRIGERACION REQUERIDO Y COMBUSTIBLE UTILIZADO. DE SER POSIBLE DEBERA SUMINISTRARSE CON PERSONAL PARA OPERACION. LA PUESTA EN SERVICIO DE LAS UNIDADES GENERADORAS DEBERA TENER LUGAR A MAS TARDAR DENTRO DE TRES MESES A PARTIR DE LA FECHA. FAVOR DE TELEXAR RESPUESTA O SUGERENCIAS A EWISGI 3540-112 CORPORACION DE ENERGIA ELECTRICA DEL MANTARO LIMA-PERU." MUCHO LE AGRADECERE INVESTIGAR QUE POSIBILIDADES HAY DE OBTENER UNA COLABORACION DE ENTIDADES PUBLICAS O PRIVADAS O EMPRESAS CONSTRUCTORAS NORTEAMERICANAS O SUMINISTRADORAS DE ESTOS EQUIPOS QUE PERMITA SUPERAR ESTA GRAVE CONTIGENCIA NACIONAL. CORDIALES SALUDOS

COHMAN RATTO - TELEFONOS LIMA 281539 - 450736
EWISGI 3540112

FOR INFORMATION REGARDING INCOMING CABLES, PLEASE CALL THE COMMUNICATIONS SECTION, EXT. 2021

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COMMUNICATIONS
JUN 19 8 20 AM 1970
TYPED

LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

106605

Lima, June 10, 1970

Messrs.
International Bank for Reconstruction
and Development
Washington, D.C.

Gentlemen:

Re: Loan 511 PE - Matucana Project
Overhead Travelling Cranes and
Transport Equipment

We are referring to the above mentioned bidding, which contract was awarded to Mague, of Portugal, in accordance with the instructions given in your telex dated December 2, 1969.

In the meantime, the amount corresponding to the contract for Portuguese Escudos 3'592,880 equivalent of - US \$ 126,720, has been increased to Port. Esc. 3'922,180 or US \$ 138,370. Such increase is due to : a) some variations in design introduced by our Consulting Engineers, for US \$ 8,800 and b) the necessity of adapting the cranes to be manufactured by Mague which will have to be used in conjunction with our present equipment owing to the anticipated date of operation of Matucana (October 1971), for - US \$ 2,850. Anyhow, such increase of US \$ 11,650 would have to be disbursed to anyone of the suppliers having been awarded the afore said contract.

On the other hand, due to the policy of national industrialization already well known to you, although we have awarded the contract to Mague, we could not refrain from requesting them to have as much equipment as possible manufactured in the country. This was also necessary in order to comply with the instructions received from the Authorities, recently confirmed by the resolution of the Ministry of Economy, dated June 4, 1970, which copy is enclosed herewith, conceding us to import the equipment in reference, except for the totality of the steel constructions, for being in competition with national products.

Original to: P. A. Proj.
Date: 6/19/70
Communications
Ser

LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

#2-

This means to say that if Mague should supply the total equipment including the steel constructions, we might be faced with the serious problem of not being permitted to import such metallic structures.


Therefore, to avoid such inconvenience, Mague had no other alternative than request the collaboration of a national manufacturer, which could be found in Fabrimet. The major cost originated by such local sub-contractor amounts to Port. Escudos 793,345, equivalent to US \$ 28,000, to be reduced to - US \$ 25,000, as US \$ 3,000 has to be considered as seafreight.

In the light of the above, we would be grateful if you could consider for approval the contract with Mague, which was made out in accordance with the afore said exigencies. To this effect we are enclosing herewith together with a copy of such contract, our application N° 43 for Port. Esc. 943,105.00 corresponding to the first instalment of 20%.

In the hope our request will be met with your favorable decision, we remain,

Yours faithfully

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO

Encl.: 1 Application in
duplicate with
documents.

AB/gt



INCOMING CABLE

DATE AND TIME
OF CABLE:

JUNE 8, 1970

LOG NO.:

ITT TELEX/8

TO:

INTBAFRAD

FROM:

LIMA

ROUTING

ACTION COPY:

PU - POWER I

INFORMATION
COPY:

PUBLIC UTILITIES PROJECTS

DECODED BY:

TEXT:

FOR PROJECTS DEPARTMENT

ATTENTION MR. CAREL DE BEAUFORT AND/OR MR. VAUGHAN SEAR

WE WISH TO INFORM YOU THAT OUR INSTALLATIONS IN THE RIMAC AND SANTA EULALIA VALLEYS AND THE WORKS ON THE CONSTRUCTION SITES OF MATUCANA WERE NOT AFFECTED BY THE RECENT EARTHQUAKE. ONLY PATIVILCA POWER STATION OF HIDRANDINA WAS OUT OF SERVICE FOR A FEW DAYS OWING TO THE INTERRUPTION OF THE TRANSMISSION LINE CAHUA TO PARAMONGA WHICH HAS MEANWHILE BEEN REPAIRED. AFTER A SHORT REDUCTION OF POWER CONSUMPTION WHICH WAS DUE TO THE TEMPORARY SUSPENSION OF SOME INDUSTRIAL PLANTS, GENERATION OF ENERGY WENT BACK TO NORMAL WITH A 6.3 PER CENT INCREASE DURING THE FIRST SEVEN DAYS OF JUNE OVER THE SAME PERIOD OF 1969. ON THE OTHER HAND, ELECTRICITY SERVICE HAS BEEN SEVERELY CURTAILED IN THE NORTH OF THE COUNTRY. THE POWER PLANT OF CORPORACION DEL SANTA IS OUT OF OPERATION, BUT RESPECTIVE DAMAGES HAVE NOT YET BEEN EVALUATED. WITH AUXILIARY TEAMS FORMED BY OUR PERSONNEL AND THANKS TO THE COMMUNICATIONS EQUIPMENT ACQUIRED UNDER WORLD BANK FINANCING WE ARE ACTIVELY AND SUCCESSFULLY ASSISTING THE AUTHORITIES IN ORDER TO NORMALIZE THE ENERGY SUPPLY IN THE MOST AFFECTED CHIMBOTE/TRUJILLO AREA. REGARDS

ASOCIADAS/MARIOTTI

LIGHT 3540057

MPB

FOR INFORMATION REGARDING INCOMING CABLES, PLEASE CALL THE COMMUNICATIONS SECTION, EXT. 2021

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COMMUNICATIONS
SECTION
JUN 8 3 27 PM 1970

TYPED

INTERNATIONAL DEVELOPMENT
ASSOCIATION

INTERNATIONAL BANK FOR
RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL FINANCE
CORPORATION

OUTGOING WIRE

TO: ASOCIADAS

LIMA

DATE: JUNE 8, 1970

CLASS OF TELEX 3540057
SERVICE:

COUNTRY: PERU

TEXT:

Cable No.:

REURCAB EIGHT JUNE THANK YOU FOR YOUR INFORMATION STOP WE ARE PLEASED TO
KNOW YOU SUFFERED NO DAMAGE FROM EARTHQUAKE STOP REGARDS

SEAR/DEBEAUFORT

INTBAFRAD

NOT TO BE TRANSMITTED

MESSAGE AUTHORIZED BY:

NAME Richard H. Sheehan

DEPT. Public Utilities Projects

SIGNATURE *R. H. Sheehan*
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

deBeaufort:mr1

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

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Zinman (South America)

For Use By General Files and Communications Section

Checked for Dispatch:

OUTGOING WIRE

JUNE 8, 1970

ASOCIADAS

CLASS OF TELETYPE SERVICE

ITEM

COUNTRY PERU

TELETYPE

TIME

Call No.

REURCAR SINCE JUNE THANK YOU FOR YOUR INFORMATION STOP WE ARE PLEASED TO
KNOW YOU SUFFERED NO DAMAGE FROM EARLY JUNE STOP REGARDS

SEAL/DISTRIBUTION

WTTBRAD

SECTION
COMMUNICATIONS

JUN 8 5 34 PM 1970

SECTION
COMMUNICATIONS

JUN 8 5 40 PM 1970

REURCAR SINCE JUNE
THANK YOU FOR YOUR
INFORMATION STOP WE
ARE PLEASED TO
KNOW YOU SUFFERED
NO DAMAGE FROM
EARLY JUNE STOP
REGARDS

DISPATCHED

RECEIVED

Washington:MI

Dept. Files

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL DEVELOPMENT ASSOCIATION

OFFICE MEMORANDUM

DATE: May 28, 1970

TO: Mr. Richard H. Sheehan
FROM: R.V. Sear and C. de Beaufort
SUBJECT: PERU - Economic Mission to Peru
Electric Power Sector Review
Back to Office Report

Description of Sector

1. The total installed capacity in the country at the end of 1969 was about 1672 MW of which 803 MW were in captive plants serving the mines and other private industrial installations. Of the 869 MW for public service about 562 MW or 65% was in the Lima area. About 56% of the total installed capacity (1,672 MW) is hydroelectric. Most of the remainder is in a large number of relatively small thermal plants.

2. Sales in the Lima area were about 1,700 Gwh in 1969 which was about 6.8% above 1968 but was considerably below the annual sales growth of about 12% in 1966-67 and the 10% rate of growth in 1968. Growth rates in sales through 1973 are now forecast at an annual rate of 8% which is well below the historic growth rates mentioned above and which in previous years had been as high as 14% per annum.

3. The principal new power plants now under construction are the government's Mantaro hydroelectric plant (330 MW) scheduled for service in 1973 and the privately owned Matucana hydroelectric plant (120 MW) scheduled for service in 1971. Both plants will serve the central region around Lima. This combination of plants will meet forecast system demand in the central region through 1976 on the basis of present growth rates in demand. No power shortage is anticipated. The demand in the rest of the country is relatively modest and growth rates are low. Forecast demand would be met by small plant additions but no specific plans have yet been formulated.

New Legislation

4. The government is at present studying modifications to the Electric Industry Law which regulates the power sector. So far no major changes are anticipated. It is also studying a new law to create a new government owned power entity to be called Electoperu which will eventually own or control all state and federally owned power entities. However, the exact form of this entity, which is being based upon the Brazilian Electrobras, is not yet known. It could eventually have a profound effect on the organization and operation of the whole sector and would tend gradually to curtail the growth of the private power companies. One of the first effects would probably be to make all future generating plants government owned. If properly organized Electoperu could be the start of a coordinated planned development of the power sector which has long been needed in Peru.

To: Mr. Richard H. Sheehan

- 2 -

May 28, 1970

Proposed Financing

5. In the meantime the government intends to approach the Bank for the financing through UNDP of a power system study for the central region. It also would like to obtain financing for the second step of Mantaro (440 MW) involving about US\$30-45 million of foreign exchange and about US\$10 million of foreign exchange for other small system extensions elsewhere in the country, including rural electrification. A formal request for this financing is being prepared by the Ministry of Energy and Mines and will be accompanied by preliminary project descriptions and estimates.

Recommendations

6. The system study referred to above is urgently required to make a forecast of demand through 1980 and to select the most economical projects for construction starting in 1973-74 to serve this demand. It is recommended that the Bank should consider assisting in obtaining financing and supervising the study.

7. The second step of Mantaro (440 MW) referred to above appears to be the logical and least cost project to meet system demand from 1976 to 1978 since it would only require the addition of four machines to the plant now under construction which includes the principal civil work for the second step. However, there are still some uncertainties about the reliability of the proposed transmission system to deliver power from Mantaro to Lima and of the operation of the Mantaro plant reservoir. Therefore, the feasibility, justification and priority of the second step should be included in the overall system study for the central region. Construction on the second step or its alternative as shown by the system study would have to start in 1973-74 to meet forecast system demand.

cc: Messrs. Chadenet, Baum, Piccagli, Baldwin, Rovani, King, Engelmann,
Weiner, Armstrong, Hittmair, Berrie, Jennings, White, Saeed/Ducker,
Lind, Sapir (South America), Kapur (South America) (4)
Central Files, Department Files, Chron. File.

RVSear/CdeBeaufort: pww
IBRD

Peru-511

OUTGOING WIRE

TO: ASOCIADAS

LIMA

DATE: MAY 7, 1970

CLASS OF
SERVICE: TELEX 3540057

COUNTRY: PERU

TEXT:

Cable No.: REURCAB SIXTH MAY PLEASE BE ADVISED THAT IN VIEW OF YOUR ADDITIONAL
EXPLANATIONS WE NOW HAVE NO OBJECTION AWARD OF POWER TRANSFORMER CONTRACT
AS YOU RECOMMEND TO OCREN STOP REGARDS

SHEEHAN

INTBAFRAD

NOT TO BE TRANSMITTED

MESSAGE AUTHORIZED BY:

NAME Richard H. Sheehan

DEPT. Public Utilities Projects

SIGNATURE *R. Sheehan*
(SIGNATURE OF INDIVIDUAL AUTHORIZED TO APPROVE)

CLEARANCES AND COPY DISTRIBUTION:

cc: Central Files
Dept. Files 511-PE
Chron. File

RVSear:pww IBRD CONTROL NO. PE-0-14

For Use By General Files and Communications Section

ORIGINAL (File Copy)

(IMPORTANT: See Secretaries Guide for preparing form)

Checked for Dispatch: *[Signature]*

OUTGOING WIRE

DATE: MAY 7, 1970
CLASS OF SERVICE: 10 MIN 30 SEC

TO: 1000000000

FROM: 1000000000

TO: 1000000000

TEXT

URGENT MAY 7 1970
TO: 1000000000
FROM: 1000000000
SUBJECT: 1000000000

URGENT
MAY 7 1970

RECEIVED
MAY 7 4 04 PM 1970
COMMUNICATIONS

COMMUNICATIONS
MAY 7 4 09 PM 1970

DISPATCHED

511-PE RHH
MR SEAR.

INCOMING CABLE

DATE AND TIME
OF CABLE:

MAY 6, 1970

LOG NO.:

ITT TELEX/6

TO:

INTBAFRAD

FROM:

LIMA

ROUTING

ACTION COPY: P U POWER I

INFORMATION P U PROJECTS
COPY:

DECODED BY:

PEO-14
Replied.
May 7.71

TEXT:

MR SHEEHAN, PUBLIC UTILITY PROJECT DEPARTMENT

LOAN 511-PE MATUCANA POWER PLANT RECOMMENDATION POWER TRANSFORMERS

SU CARTA DEL 27. 4. 1970

AGRADECEMOS SU CARTA DEL RUBRO Y LES DAMOS A CONTINUACION LAS

INFORMACIONES QUE NOS SOLICITAN:

A) Y B) 500 RESPECTIVAMENTE 300 DOLARES/KW DE PERDIDAS SON VALORES

FIJADOS EN NUESTRA ESPECIFICACION Y UTILIZADOS EN LA COMPARACION
FINAL SEGUN TABLA IV.

ESTOS MISMOS VALORES FUERON YA APROBADOS POR USTEDES PARA LA
LICITACION DE LOS TRANSFORMADORES DE LA CENTRAL DE MATUCANA.

LOS OTROS VALORES MENCIONADOS POR EL CONSULTOR DEBEN CONSIDERARSE
SOLAMENTE COMO INFORMACIONES GENERALES, TAL COMO RESULTA DEL ANEXO A.

C) LOS DISPOSITIVOS BUCHHOLZ FUERON FIJADOS EN NUESTRA ESPECIFICACION,
COMO EL VALOR DE LOS MISMOS NO HUBIERA CAMBIADO LA CLASIFICACION DE
LAS OFERTAS NO SE HIZO NINGUN REAJUSTE EN LAS COMPARACIONES.

ADEMAS OCREN CONFIRMO POSTERIORMENTE QUE ESTOS DISPOSITIVOS DE
PROTECCION ESTARIAN INCLUIDOS EN EL SUMINISTRO. ✓

D) LOS GASTOS DE ADUANA PARA LA IMPORTACION DE LOS MATERIALES FUERON
INCLUIDOS PARA PODER HACER UNA COMPARACION CON LA OFERTA DEL
PRODUCTOR NACIONAL, EL CUAL INCLUYE EN SU OFERTA APROX. EL 50
PORCIENTO DE LOS EQUIPOS COMO VALOR EX-FABRICA LIMA.

TO: DIRECTOR, FBI (100-441111)

FROM: SAC, NEW YORK (100-123456)

SUBJECT: [REDACTED]

RE: [REDACTED]

DATE: 5/7/70

1. [REDACTED]

2. [REDACTED]

3. [REDACTED]

4. [REDACTED]

5. [REDACTED]

6. [REDACTED]

7. [REDACTED]

8. [REDACTED]

9. [REDACTED]

10. [REDACTED]

11. [REDACTED]

12. [REDACTED]

13. [REDACTED]

COMMUNICATIONS SECTION
MAY 7 8 46 AM 1970

TYPED

INCOMING CABLE

DATE AND TIME
OF CABLE:

MAY 6, 1970

LOG NO.:

ITT TELEX/6

TO:

INTBAFRAD

FROM:

LIMA

ROUTING

ACTION COPY: PU POWER I

INFORMATION PU PROJECTS
COPY:

DECODED BY:

-2-

TEXT: MR SHEEHAN, PUBLIC UTILITY PROJECT DEPARTMENT

E) EN LINEA GENERAL ESTAMOS DE ACUERDO CON NUESTRO CONSULTOR Y
ESPECIALMENTE CON SUS CONCLUSIONES Y SU RECOMENDACION.

SENTIMOS HABER OMITIDO DE INDICAR ESTE PARTICULAR EN NUESTRA
CARTA EN FORMA MAS PRECISA. *THEY SAID NOTHING IN THE LETTER*

CONFIAMOS QUE CON ESTAS ACLARACIONES PODRAN USTEDES DAR SU APROBACION
A LA RECOMENDACION DE LOS TRANSFORMADORES Y AGRADECEREMOS NOS
HAGAN LLEGAR CON TODA OPORTUNIDAD SUS NOTICIAS AL RESPECTO.

SALUDOS

ASOCIADAS
LIGHT 3540057

VEA

Penn 571

INCOMING CABLE

DATE AND TIME

OF CABLE: APRIL 30, 1970

LOG NO.: ITT TELEX / 30

TO: INTBAFRAD

FROM: LIMA

ROUTING

ACTION COPY: P U - POWER I

INFORMATION PUBLIC UTILITIES PROJECTS
COPY:

DECODED BY:

TEXT:

FOR MR. CAREL DE BEAUFORT PROJECTS DEPARTMENT

REFERRING TO OUR TODAY'S TELEPHONE CONVERSATION WE HAVE TAKEN DUE NOTE

THAT YOU AND MR. VAUGHAN SEAR WILL ARRIVE IN LIMA ON MONDAY EVENING MAY 11

AND HAVE PLEASURE IN CONFIRMING THE RESERVATION OF TWO ROOMS AT THE HOTEL

CRILLON IN ACCORDANCE WITH YOUR REQUIREMENTS. FOLLOWING YOUR ENQUIRY WE

WISH TO INFORM YOU THAT MR. MANUEL UGARTECHE IS AT PRESENT UNDER MEDICAL

TREATMENT AT THE METHODIST HOSPITAL IN HOUSTON, TEXAS. WITH BEST REGARDS.

CROCI/ASOCIADAS

*He was discharged from the
hospital on May 1st*

JAO

RVS
COMMUNICATIONS
MAY 11 3 45 PM 1970

YOUR E. CASE ON BEHALF OF TWO OTHERS DETAINED AT
REMAINING TO OUR TODAY'S TELEPHONE CONVERSATION IN NEW YORK CITY
LAST YOU AND MR. ALVIN KARP WILL ARRIVE IN NEW YORK MONDAY EVENING AND IT
AND HAVE THE ASSURE IN CONSIDERING THE ASSURANCE OF TWO BOOKS AT THE HOTEL
ORDON IN ACCORDANCE WITH YOUR EXHIBITION. FOLLOWING YOUR EXHIBITION IN
AND TO I WOULD YOU THAT MR. KARP IN NEW YORK IS AT PRESENT UNDER ARREST
DETENTION AT THE METROPOLITAN POLICE IN NEW YORK, NEW YORK, WITH YOUR EXHIBITION.
GOOD LUCK

APR 30 3 42 PM 1970
COMMUNICATIONS

TYPED

Peru - 51

May 7, 1970

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Power Plant
Power Transformers

Further to our letter of April 27, 1970 and in reply to your cable of May 6, 1970 we hereby confirm sending you the following cable today:-

"REURCAB SIXTH MAY PLEASE BE ADVISED THAT IN VIEW OF YOUR ADDITIONAL EXPLANATIONS WE NOW HAVE NO OBJECTION AWARD OF POWER TRANSFORMER CONTRACT AS YOU RECOMMEND TO OCHEN STOP REGARDS"

We further confirm that the total contract price of this contract to OCHEN, Italy is Italian Lira 224,600.00 C&F Callao, Peru.

Sincerely yours,



Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Mr. Keltie (Controller's)
Central Files
Dept. Files 511-PE
Chron. File

RV Sear: pww
BRD
CONTROL NO. PE-0-14

Loan 511-PE

June 24, 1970

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Project
Overhead Travelling Cranes and
Transport Equipment
Disbursement Request.

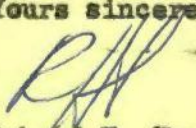
We hereby acknowledge your letter of June 10, 1970 with which you sent us your first disbursement request for the above mentioned contract. You also explained certain cost increases to us.

We have no objection to the increases in the contract amount of Port. Esc. 329,300 equivalent to US\$11,650 resulting from design changes.

With regard to the additional charge of Port. Esc. 793,345 resulting from the government's requirement that certain steel parts be manufactured in Peru, we would refer you to supplementary letter dated September 11, 1967 on Loan Proceeds and Procurement for Loan 511-PE, item 4 page 2; we regret to advise you that in view of the conditions stipulated therein we would not be able to finance that part of the goods supplied by local suppliers from proceeds of this loan.


In view of the above we would ask you to send us an amended disbursement request to replace the one being returned herewith which should exclude the portion of the cost which would be paid to the local supplier.

Yours sincerely,


Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

Enclosure

Cleared with and cc: Mr. Keltie (Controller's)
cc: Central Files
Department Files
Chron. File

 RVSear:pw
IBRD
CONTROL NO. PE-0-17

**LIMA
LIGHT
AND
POWER
COMPANY**

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

106950

Lima, June 22, 1970

Messrs
International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington D.C., 20433
U. S. A.

Date Rec'd. *June 30/70*

Date Ack'd. *Shueh*

Assigne

Re: Loan 511 PE
Matucana Power Project

Gentlemen,

We are enclosing herewith for your information and approval the "Report and recommendation for award of Contract" regarding

Electric three-phase meters

for the above mentioned Project.

Awaiting your conformity, we remain

Yours very truly
EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

Date Rec'd. *July 30/70*

Date Ack'd. *July 6/70*

Assigned to *Shueh*
M.E. STAR

JOSE CROCI
DIRECTOR

ENRIQUE BROW
GERENTE ADMINISTRATIVO

PE-0-18

Encl.: 1 recommendation

gt.

April 27, 1970

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Power Plant
Power Transformers

We hereby acknowledge your letter of April 15, 1970 with which you sent us the consultant's report (Lahmeyer International GMBH) on the comparison of tenders for the above mentioned equipment with their recommendation to award the contract to Oceren - Italy.

Before we give further consideration to this report we would ask you to answer the following questions:

(a) The consultant uses two different sets of values for the copper and iron losses and this changes the order of merit of the tenders. We would like to know how the values for the losses were arrived at and the justification of these values.

(b) Did the specifications state how the losses would be evaluated?

(c) In the offer recommended, as in some of the other tenders, the Buchholz relay is not provided. Was this required under the specifications and if so why is an estimated cost not added to the evaluation of the offer when the relay is missing?

(d) Under the Bank's rules customs duties are not to be included when making the bid analysis. Since the inclusion of customs duties in the analysis does not materially change the order of merit of the offers we would like to know why this cost was included in the analysis.

(e) In your covering letter you do not give your comments on the consultant's report and do not say whether you are in agreement with it or not. We would like to have your recommendation.

Sincerely yours,

R. *M* Sear

(for) Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Mr. Keltie (Controller's w/i)
Central Files
Dept. Files 511-PE
Chron. Files
RVSear:ab
IBRD
CON:rol NO. PE-O-12

Perm - 571

April 24, 1970

Empresas Electricas Asociadas
Versacruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Power Plant
Corrosion Protection of Penstock

We wish to acknowledge your letter of April 14, 1970 with which you sent us the analysis of bids for the above mentioned work.

Please be advised that we have no objection to the award being made as you recommend to:-

Giovanola Freres S.A. Monthey, Switzerland with W. Hohnel, Lins, Austria as subcontractor for a total contract price of Sfr. 495,000.

We would appreciate it if in future you would mention the loan number in the heading of your correspondence, as shown above, to expedite routing and filing within the Bank.

Sincerely yours



for Richard M. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Mr. Keltie (Controller's w/i)
Central Files
Dept. Files 511-PE
Chron. File
RVSear:pmw
IBRD

CONTROL NO. PE-O-11

Peru-511 248

April 17, 1970

Dr. Carlos Mariotti
General Manager
Empresas Electricas Asociadas
Casilla 1384
Lima
PERU

Re: Loan 511-PE

Dear Carlos:

I received your letter of April 8 and thank you
for sending me the provisional Annual Report for 1969.

With my best regards,

Sincerely yours,



Carel de Beaufort

CdeBeaufort:smo
IBRD
cc: Central Files
Department Files
Control Number PE-O-9

LIMA
LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

104679

Lima, Abril 15 de 1970

Date Rec'd. April 12/70

Date Ack'd. April 27/70

Assigned to Shuchan

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

LOAN 511 PE
Matucana

DOCUMENT NO. 11

Gentlemen:

Tenemos a bien remitir adjunto, para su información y
aprobación el Informe y Estudio comparativo de las ofertas para
la Licitación de

7 Transformadores monofásicos de 28.3 MVA

preparado por la Firma de Ingenieros Consultores Lahmeyer Inter-
national GmbH, Frankfurt/Alemania.

Sírvanse tomar nota que las 3 Firmas que aparecen en
el cuadro de comparación final nos han comunicado que prolongan
la validez de sus ofertas hasta el 15 de Mayo de 1970.

Esperamos recibir con toda oportunidad sus noticias
referentes a esta recomendación y les saludamos entre tanto

muy atentamente

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

JOSE CROCI
GERENTE

ENRIQUE BROU
GERENTE ADMINISTRATIVO

1 Anexo
wts

LIMA
LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

104685

Lima, April 14, 1970

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Date Rec'd. April 20/70
Date Ack'd. April 24/70
Assigned to Shuehan

LOAN 511 PE
Matucana Project

PE-0-11

Dear Sirs,

DOCUMENT N 210

We make reference to our letter of 4.28.69 (see your letter of 5.28.69), with which we sent you the Recommendation for the Pressure Shaft Lining with Distributor and are enclosing herewith for your information and approval the Report and Recommendation for Award of Contract prepared by our Consulting Engineers Motor-Columbus, Baden, regarding the

CORROSION PROTECTION WORKS

for the above mentioned pressure shaft.

Awaiting your conformity, we remain,

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY


JOSE CROCI
GERENTE


ENRIQUE BROU
GERENTE ADMINISTRATIVO

1 Encl.

 wts

April 10, 1970

Dr. Carlos Mariotti
General Manager
Empresas Electricas Asociadas
Casilla 1384
Lima
PERU

Re: Loan 511-PE

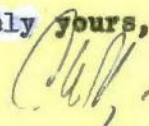
Dear Carlos:

Because I have been away on a mission I received your letter of March 13 only today. I was very pleased to note the progress you made in obtaining medium-term financing totaling the equivalent of US\$6 million.

Mr. Sear and I expect to join the Bank's economic mission in Lima in about a month from now. We are looking forward to the opportunity this will afford us to see you then.

With my best regards,

Sincerely yours,



Carel de Beaufort

CdeBeaufort:smo
IBRD

cc: Messrs. Sear
Zinman (S. America)(with copy of incoming letter)
Central Files
Department

Control Number PE-O-7

Peru-511

511-PE

March 24, 1970

Empresas Electricas Asociadas
Veracruz 261
Lima
PERU

Dear Sirs:

Re: Loan 511-PE - Matucana Power Project
Metering Equipment for Water Regulation

We wish to acknowledge your letter of March 5, 1970 with which you sent us the analysis of bids and the recommendation to award this contract to Franz Rittmeyer Ltd. in Zug, Switzerland in the amount of Sw Francs 152,860 (approximately US\$35,578).

Please be advised that we have no objection to this award.

Very truly yours,

/s/ R.V. Sear

for Richard H. Sheehan
Chief, Power Division I
Public Utilities Projects Department

cc: Mr. Keltie (Controller's) w/i
Central Files
Department Files 511-PE
Chron. File

/s/ RVSear:pww

IBRD

CONTROL NO. PE-0-06

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

INTERNATIONAL DEVELOPMENT ASSOCIATION

OFFICE MEMORANDUM

April 13, 1970

TO: Messrs. R.V. Sear and C. de Beaufort

FROM: H. Michael Sapir, Mission Chief

SUBJECT: Your Terms of Reference for the Peru Mission

Procedures and Timing

1. Your assignment, starting about 7 May, 1970, will be to proceed to Peru, where you will join the Bank's economic mission to review the Power Sector and prepare the sector brief for the economic mission's report.
2. Your mission should last for 2 to 3 weeks. (The general mission field's work will end about 23 May). You should submit a back-to-office report by 29 May and your draft full report by 19 June 1970, in Washington.

Substantive assignment

3. The matters of particular interest in the power sector are:
 - a) The load forecast for the principal power-consuming centers for the period 1970-80.
 - b) The proposed programs of power system expansion for the principal centers and your judgment as to the adequacy of these programs.
 - c) The Government's policy, as far as can be determined, towards the ownership and operation of the power sector.
 - d) The financing plans for the expansion programs of the principal centers. The need and amounts of external financing required. The amount of financing expected from the Central Budget.
 - e) Regulation of the power sector and the adequacy of the electricity law and its application.
 - f) The electric tariff structure and its influence, if any, on industrial development.
 - g) A review of the principal problems which may be expected in the development of the power sector during the 1970-75 period.
 - h) It is hoped to obtain information, to the extent time permits, on the program of work of a German technical assistance mission involving a study of the entire energy sector (including petroleum and gas).

cc: Messrs. Chadenet, Baum, Weiner, Armstrong, Hittmair, Berrie, Jennings, White, Saeed/Ducker, Kapur (S.A.) (4), Central Files, Dept. Files, Chron. File
HMSapir/RVSear:pw

LIMA
LIGHT
AND
POWER
COMPANY

EMPRESAS ELECTRICAS ASOCIADAS

GERENCIA GENERAL VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

C. Mariotti

Lima, April 8, 1970

Mr. Carel De Beaufort
Internantional Bank for Reconstruction
and Development
1818 H Street N.W.

Washington D.C. 20433 U.S.A.

Date Rec'd. *April 15/70*

Date Rec'd. *Correspondence*

Assigned to *Shueh*

DATE *Mr. de B.*

PE-0-9

Dear Carel:

Following my letter dated March 13, I have pleasure in advising you that I will leave this evening for Switzerland in order to attend the closing meeting of all the participants in the medium-term financing for our Company through the issue of Series "M" Debentures. On my way to Europe I will make a short stop-over in New York, on April 9 and 10, in order to sign and execute the respective Supplemental Indenture.

Our General Meetings in Lima Light and Hidrandina at the end of March took a very satisfactory course, with the adoptions of all resolutions proposed by our Board of Directors. In this connection, I am enclosing for your information copies of the respective provisional Annual Reports for the year 1969. Printed copies will be sent to you as soon as they are available.

With best personal regards, I remain,

Yours sincerely,

C. Mariotti

Carlos Mariotti

Enclosure

rm/ro

**LIMA
LIGHT
AND
POWER
COMPANY**

VERACRUZ 261 LIMA - PERU
TELEFONO * 2 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

REM-511

*Open Files
Peru
511 PE*

Lima, 7 de abril de 1970

International Bank for Reconstruction
and Development
1818 H Street, N. W.
WASHINGTON, 20433 (USA)

Atención: WESTERN HEMISPHERE DEPARTMENT

Muy señores nuestros :

Tenemos el agrado de remitirles, por correo aéreo separado, un ejemplar del libro "Datos Estadísticos 1969" de nuestra Compañía.

En dicho informe ilustramos el desarrollo de estas Empresas en los diversos aspectos de la labor que desempeña como concesionaria del servicio público de electricidad para la Gran Lima.

Esperando que dicha información les pueda ser de utilidad nos valemos de la oportunidad para enviarles nuestros cordiales saludos.

EMPRESAS ELECTRICAS ASOCIADAS
(Lima Light & Power Co.)

[Handwritten signature of Jose Croci] *[Handwritten signature of Luis Zavala]*

JOSE CROCI
GERENTE

LUIS ZAVALA
SECRETARIO GENERAL

lg.

No reply necessary

COMPANY EMPRESAS ELECTRICAS ASOCIADAS

POWER AND LIGHT

LIMA

VERACRUZ 101 LIMA - PERU

TELEFONO 27200

CABLE 1000

CABLES ASOCIADAS

TRUCK FIGHT 25000

Lima, Peru April 13, 1970

7

For the purpose of this letter, we are pleased to

in the event of

the following

the following

Atenciones: Estimados señores:

En la actualidad

El servicio de electricidad en la ciudad de Lima

se encuentra en un estado de normalidad

completa.

En consecuencia, se ha reanunciado el servicio

de electricidad en la zona de la ciudad de Lima

al servicio del sector privado de electricidad

separando de la red de la ciudad de Lima

los servicios de la zona de la ciudad de Lima

separados.

RECEIVED

1970 APR 13 AM 10:29

COMMUNICATIONS SECTION

**LIMA
LIGHT
AND
POWER
COMPANY**

VERACRUZ 261 LIMA - PERU
TELEFONO 276 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

Lima, 7 de abril de 1970

International Bank for Reconstruction
and Development
1818 H Street, N. W.
WASHINGTON, 20433 (USA)

Atención: PROJECTS DEPARTMENT

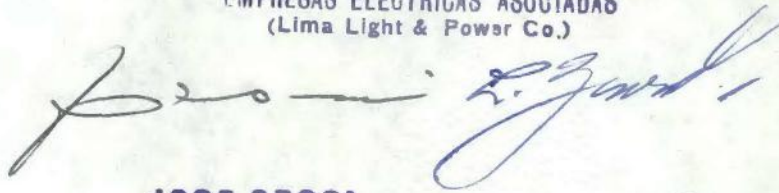
Muy señores nuestros:

Tenemos el agrado de remitirles, por correo aéreo separado, un ejemplar del libro "Datos Estadísticos 1969" de nuestra Compañía.

En dicho informe ilustramos el desarrollo de estas Empresas en los diversos aspectos de la labor que desempeña como concesionaria del servicio público de electricidad para la Gran Lima.

Esperando que dicha información les pueda ser de utilidad nos valemos de la oportunidad para enviarles nuestros cordiales saludos.

EMPRESAS ELECTRICAS ASOCIADAS
(Lima Light & Power Co.)



JOSE CROCI
GERENTE

LUIS ZAVALA
SECRETARIO GENERAL

lg.

Date Rec'd. April 13/70
Date Ack'd. _____
Assigned to Shuchon
Mr de B.
PE-0-78

COMPANY EMPRESAS ELECTRICAS ASOCIADAS

VERACRUZ DE LIMA - PERU
TELEFONO 275-300
CALLE 108
CABOS ASOCIADOS
TELEFONO 275-300

Lima, Peru, April 13, 1970

Señores: Mr. J. L. ...

and ...

...

...

...

...

...

...

...

...

RECEIVED

1970 APR 13 AM 10:37

COMMUNICATIONS
SECTION

PROGRESS REPORT SLIP

PROJECTS DEPARTMENT		Division P.U. Projects	
Country Peru	Period To 1969	Carded dc:April 8, 1970	
Loan or Project 511-PE	Type of Report Annual Report ?		
For Action To	Action Taken	Initial	Date
Sear	<i>mm</i>	<i>RL</i>	13/4/70
de Beaufort		<i>df</i>	4/7/70
Proj. Super.			
Files			
Progress on Project			
Finance			
Remarks			

LIMA
LIGHT
AND
POWER
COMPANY

EMPRESAS ELECTRICAS ASOCIADAS

Perm-511

GERENCIA GENERAL

C. Mariotti

VERACRUZ 261 LIMA - PERU

TELEFONO 76 200

CASILLA 1384

CABLES: ASOCIADAS

TELEX: LIGHT 3540057

Lima, March 13, 1970

Mr. Carel De Beaufort
International Bank for Reconstruction
and Development
1818 H Street N.W.

Washington D.C. 20433

U.S.A.

Date rec'd. Apr. 3/70

Date Ack'd. _____

Assigned to Sheehan

Projects Dept. Correspondence

RECEIVED BY April 4/70

DATE _____

PE-0-7

Dear Carel:

Having returned to Lima just a few days ago, I am pleased to inform you that the proposed medium-term financing for our Company will now be carried out through the issue of a new Series of Debentures in the amount of US\$ 3 million and SFrs. 12.8 million with the participation of an international group of banking and financing institutions.

Please find enclosed copy of our letter dated March 11 addressed to Swiss Bank Corporation which is quite self-explanatory as well as proofs of the Debenture Purchase Agreement and respective Eleventh Supplemental Indenture. The other participants in this operation are Swiss Credit Bank, Union Bank of Switzerland, Banca Commerciale Italiana, Adela Investment Company, South-American Electric Company, Banque Darier & Cie (Geneva), and possibly also Bank Leu & Co. (Zurich), all of which have received a similar letter. May I ask you to inform also Mr. Keltie accordingly.

I take this opportunity to let you have enclosed also the Financial Statements as per December 31, 1969, of our Company and Hidrandina, which have been approved by the respective Boards of Directors in their meeting of March 12, together with their proposals to be submitted to the General Shareholders Meetings which in the case of Empresas will be held on March 31, and in the case of Hidrandina on March 30, in accordance with the enclosed agendas.

With best personal regards, I remain,

Yours sincerely,

Carlos Mariotti

Carlos Mariotti

Enclosures.

rm/ro

INTERNATIONAL ASSOCIATION OF DEVELOPING BANKS

March 31, 1970

International Association of
Developing Banks
1815 Avenue M, N.Y.
Washington, D.C. 20005

Dear Sir:

I am pleased to

inform you that the International Association of
Developing Banks (IADB) has been established as a
non-profit organization. The IADB is a
voluntary association of banks and financial
institutions in the developing countries.

The IADB is a voluntary association of banks and
financial institutions in the developing countries.
The IADB is a voluntary association of banks and
financial institutions in the developing countries.
The IADB is a voluntary association of banks and
financial institutions in the developing countries.

I take this opportunity to let you know and
hope that you will be interested in the
IADB. The IADB is a voluntary association of
banks and financial institutions in the
developing countries.

With most personal regards, I remain,

RECEIVED

Yours sincerely,

1970 MAR 31 PM 1:29

SECTION
COMMUNICATIONS

**LIMA
LIGHT
AND
POWER
COMPANY**

EMPRESAS ELECTRICAS ASOCIADAS

GERENCIA GENERAL VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540067

Lima, March 11, 1970

The General Managers
Swiss Bank Corporation ,
Aeschenvorstadt 1
4000 Basle / Switzerland

Attention: Dr. F. Christe, Deputy Manager

Medium-term financing to be granted through issue of Series "M" Debentures

Gentlemen:

With reference to your recent conversations with our General Manager, Dr. Carlos Mariotti, held in Zurich, we wish to confirm the following agreements reached with you on the medium-term financing to be granted to our Company:

1. The financing operation will be carried out under form of an issue of Debentures on the basis of the Indenture dated July 1, 1957, signed between Schroder Trust Company, New York as Trustee, and our Company. We are enclosing a memorandum which explains the main features of the Indenture and enumerates the various debenture series which have been issued in accordance with this legal instrument.
2. The new issue of Debentures covering the above mentioned financing, will be executed on the basis of a separate supplemental indenture - Eleventh Supplemental Indenture - from our Company to Schroder Trust Company, which will probably be dated April 1, 1970, and will allow for the issue of Debentures denominated Series "M" in four sub-series (M-1, M-2, M-3 and M-4), totalling US\$ 3 million and SFr. 12.8 million. Such Debentures shall be dated and bear interest from, April 15, 1970, will have a grace period of 18 months and shall mature serially in 4 equal semi-annual installments from October 15, 1971 until April 15, 1973. For each such maturity a different form of debenture, with the corresponding number of interest coupons attached thereto, will be issued. The Series "M" Debentures will be negotiable bearer Debentures.

In accordance with the Electrical Industry Law the interest on these Debentures will be free from all existing or future Peruvian taxes. The Law also offers ample guarantee for the investor in case of monetary restrictions, inasmuch as the government will provide the concessionaire, at the official rate, the necessary amount of foreign exchange in order to fulfill the obligations of its servicing. The Debentures will also be secured by a floating charge, i.e. a first lien on the Company's assets in favor of the debenture holders. Thus, the Series "M" Debentures will offer the same guarantees as provided for all the other series issued by the Company, including those corresponding to the Loan Agreements signed with the International Bank for Reconstruction and Development.

3. According to our agreements with your Institution, you will participate in the loan package by subscribing the amount of US\$ 1,000,000 in Debentures Series "M-1", as described in Article One of the Eleventh Supplemental Indenture. The specific conditions of this financial operation are described in the Debenture Purchase Agreement.

In your particular case, the Debentures of Series "M-1" shall bear interest at a rate equal to 2 % in excess of the average rate at which your Institution issues its medium-term U.S. dollar certificates of deposit in the London market on April 13, 1970.

In the meantime, our New York lawyers, Messrs. Sullivan and Cromwell, will have forwarded to you proofs of the Debenture Purchase Agreement as well as of the Eleventh Supplemental Indenture.

You will notice from the proof of the Supplemental Indenture that the Series "M-1" Debentures would be issued in the denomination of US\$ 50,000, taking into account that for each maturity separate debentures will be used. We are, of course awaiting your agreement with this procedure.

4. In view of the fact that you have been the first participant in this financial operation we take pleasure in confirming your appointment as paying agents not only for the Series "M-1" but also for the Series "M-2" Debentures.
5. Government authorization for this operation has been requested and will be obtained in due course. Also, our General Shareholders Meeting, to be held on March 31, 1970, will have to give its approval and we expect the closing to take place in Zurich on April 15.

Would you please examine the legal documents prepared by our lawyers and let us have your observations, if any, as soon as possible, with copy to Messrs. Sullivan and Cromwell.

At the same time, we request you to give us your final approval to this operation. Furthermore, in case you agree to the form of the above mentioned Debenture Purchase Agreement we would much appreciate your advising by cable so that we may proceed to forward you this document duly signed by us.

Taking this opportunity, we wish to thank you for your esteemed cooperation leading to your participation in this medium-term financing and meanwhile remain,

Very truly yours,

EMPRESAS ELECTRICAS ASOCIADAS
(Lima Light & Power Co.)



CARLOS MARIOTTI
GERENTE GENERAL



ENRIQUE BROU
GERENTE ADMINISTRATIVO

Enclosure: 1 memorandum

cc/ Mr. P. Feurer, General Manager, Swiss Bank Corp., Zurich
Schroder Trust Co., New York
Sullivan & Cromwell, New York.

rm/ro

Peru-511

INCOMING CABLE

ROUTING

DATE AND TIME
OF CABLE:

FEBRUARY 13, 1970 1059

LOG NO.:

ITT TELEX/13

TO:

INTBAFRAD

FROM:

LIMA

ACTION COPY:

PU - POWER I

INFORMATION
COPY:

PUBLIC UTILITIES PROJECTS

DECODED BY:

TEXT:

FOR MR. CAREL DE BEAUFORT, PROJECTS DEPARTMENT

I AM PLEASED TO FINALLY CONFIRM MY PLANNED VISIT TO WASHINGTON WHERE I WILL ARRIVE MONDAY AFTERNOON, FEBRUARY 16, PROCEEDING FROM PHILADELPHIA, AND WOULD MUCH APPRECIATE YOUR ARRANGING FOR RESERVATION AT THE HAY ADAMS HOTEL FOR TWO NIGHTS. I WOULD THEN BE AT YOUR DISPOSAL FOR CONVERSATIONS ON TUESDAY AND WEDNESDAY MORNING, TRUSTING THAT THIS TIMING WILL BE CONVIENIENT TO YOU.

YESTERDAY WE OBTAINED THE MINISTERIAL RESOLUTION BY WHICH THE "UTILIDAD COMERCIAL" ON OUR PREFERRED SHARES HAS BEEN INCREASED TO 3% AND THE PLANNED ISSUE OF SUCH SHARES HAS BEEN AUTHORIZED. IT CONTAINS A SERIES OF CONSIDERATIONS OF WHICH I TRANSCRIBE THE FOLLOWING EXCERPTS:

".... QUE DE ACUERDO A TAL IMPERATIVO DE LA LEY, LAS EMPRESAS ELECTRICAS ASOCIADAS EN CALIDAD DE CONCESIONARIAS DE SERVICIO PUBLICO DE ELECTRICIDAD ESTAN OBLIGADAS A LLEVAR ADELANTE LA EXPANSION DE SU SISTEMA ELECTRICO, MEDIANTE LA INVERSION QUE REQUIERE POR SU NATURALEZA LA CONSTANTE MOVILIZACION DE RECURSOS FINANCIEROS, SE HACE INDISPENSABLE OTORGAR MAYORES INCENTIVOS A LAS ACCIONES PREFERENCIALES EN ACTUAL CIRCULACION...."

THE RESPECTIVE RESOLUTIONS READ AS FOLLOWS:

"1. MODIFICAR A PARTIR DE LA FECHA, LAS RESOLUCIONES MINISTERIALES EN EL SENTIDO DE QUE LAS ACCIONES PREFERENCIALES EMITIDAS POR EMPRESAS ELECTRICAS

FEB 13 11 57 AM 1970
COMMUNICATIONS

INCOMING CABLE

DATE AND TIME OF CABLE: **FEBRUARY 13, 1970 1059**

LOG NO.: **ITT TELEX/13**

TO: **INTRAFRAD**

FROM: **LIMA**

ROUTING

ACTION COPY: **PU - POWER I**

INFORMATION COPY: **PUBLIC UTILITIES PROJECTS**

DECODED BY:

TEXT: **PAGE TWO**

ASOCIADAS, PERCIBAN UNA UTILIDAD COMERCIAL DEL 3 PORCIENTO,... MANTENIENDOSE EL DIVIDENDO ACTUALMENTE AUTORIZADO DEL 8 PORCIENTO.

2. AUTORIZAR LA EMISION DE NUEVAS ACCIONES PREFERENCIALES SOLICITADA POR EMPRESAS ELECTRICAS ASOCIADAS POR UN MONTO DE U.S. DOLARES 5.620.570...."

IN THIS CONNECTION, I WOULD BE MUCH OBLIGED TO YOU IF YOU COULD SPEAK TO NEIL PATERSON, AS I WOULD LIKE TO ESTABLISH A FIRST CONTACT WITH IFC ON TUESDAY MORNING. PLEASE INFORM LUIS ZAVALA. WITH BEST REGARDS,

CARLOS MARIOTTI

LIGHT 3540057

SECTION
COMMUNICATIONS
FEB 13 15 20 PM 1970

FEB 13 12 58 PM 1970
COMMUNICATIONS
SECTION

M. Habib
Perm. 511

OFFICE MEMORANDUM

TO: Mr. Richard H. Sheehan

DATE: February 10, 1970

FROM: Carel de Beaufort

SUBJECT: PERU - Loan 511-PE

Empresas Electricas Asociadas (Lima Light)
Discussions in Washington, D. C.

Mr. Gunther Heck, Financial Officer of Empresas Electricas Asociadas (Lima Light) visited the Bank on February 2 and 3. The discussions centered on the revisions to be made in the financing plan for the 5-year period 1969 through 1973.

Receipts from cash generation and contributions are now expected to be S/.502 million (US\$11.7 million) lower than projected in May 1969. The main reason is a reduction in projected contributions from S/1.044 million (US\$24.3 million) to S/.648 million (US\$15.1 million) because of the recession in the building industry.

The construction program has been reduced by S/.550 million (US\$12.8 million) as follows:

	Financing Plan	
	May 1969	January 1970
	(millions of Soles)	
Huinco Reservoir	93	72
Thermal Plant	155	39
Matucana Project	1,520	1,466
Distribution	2,149	1,790
Total Construction Program	<u>3,917</u>	<u>3,367</u>

The Huinco reservoir will be completed in 1970 at a lower cost than estimated. Because of lower electricity sales the thermal plant which under the May 1969 plan was to be installed in 1970, is not required until 1973. The reduction in the estimate for the Matucana project is tentative; a new cost estimate will be made in March. The sizable reduction in the distribution program amounting to S/.359 million (US\$8.3 million) is related to the slower growth of energy sales and the expected reduction in new connections due to the recession in the building industry.

Since the reductions made in the construction program are somewhat larger than the reductions expected in the cash generation and contributions, the financing needs have not increased. Market issues and loans included in the present plan are:

February 10, 1970

	<u>Millions of US\$</u>
1970 - medium term bonds to be placed by Lehman Brothers	6.0
preferred share issue	5.6
1971 - common shares	3.5
preferred shares	3.5
IBRD loan for distribution	7.5
1972 - debentures	6.0
Total	<u>32.1</u>

Participants in the Lehman Brothers group are now assumed to be the following:

	<u>US\$</u> (millions)
Swiss Bank Corporation	1.00
Banco Commerciale Italiana	1.00
Sudelectra, Zurich	0.25
Adela	0.75
Philadelphia National Bank	3.00
Total	<u>6.00</u>

However, Dr. Mariotti will still have to negotiate with the Philadelphia National Bank which wants a share in Lima Light's commercial business in the United States. It is not clear what Lima Light could offer in this respect. The bonds would have a term of 3 years including a grace period of 18 months. The interest rate would be $1\frac{1}{2}$ - 2% above the interest rate of 6 months US dollar deposits in London. The bonds would be known as the "Series M" and they would be secured under the Indenture with Schroder Trust Company, as Trustee.

The preferred share issue of US\$5.6 million is the issue which was postponed last year when IFC was not prepared to underwrite it. Dr. Mariotti has been negotiating with the Government in order to obtain agreement to an increase in the yield. In December 1969 he told me that the yield would be increased to 11% payable in cash. Since then the Tariff Commission, the Ministry of Energy and Mining, the Treasury, and the Central Bank have all been involved in the negotiations. As the matter now stands the Company would be allowed to earn on the preferred share capital an 8% tax-exempt dividend plus 3% commercial profit. The latter would be subject to 20% profit tax, reducing it to 2.4% on which a dividend tax of 15% would have to be paid.

February 10, 1970

Thus, maximum tax-free earnings on the preferred shares would be 10.04%. Out of this the Company plans to pay 9.5% annually in cash. It is doubtful whether this is sufficiently attractive under present market conditions. The Company believes, however, that the increase in cash payments from 8% to 9.5% will at least raise the quotations from their present level of 85% to par. According to Mr. Heck, Dr. Mariotti feels that at least \$2 million of the new issue could be placed in Peru and \$1 million in Switzerland.

The Company hopes that by the time the two share issues planned for 1971 will have to be issued, arrangements will have been worked out under which owners of expropriated land would be able to exchange the bonds they will receive as compensation, against shares in Lima Light. This arrangement would be based on the expropriation law which provides that bonds paid in compensation for expropriated land can be used for investment in Peruvian industry.

The IBRD loan of US\$7.5 million for distribution projected for 1971 is included in the Bank's 5-year plan. We are planning to verify this project in May.

It is too early to firm up plans for the debenture issue of US\$6 million projected in 1972.

As regards the revaluation of assets and the tariff increase Mr. Heck said that the application will be submitted to the Tariff Commission next month. The Company hopes that agreement will be reached on a revaluation of the assets by 20% and a tariff increase on January 1, 1971 of 17 - 18%.

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CdBeaufort:mlr
IBRD

cc: Messrs. Weiner, Jennings, White, Sear
Mr. Kapur (Western Hemisphere)
Mr. Zinman (Western Hemisphere)
Mr. Habib (IFC)/Mr. Patterson (IFC)
Central Files/Department Files

10/1/70

LIMA
LIGHT
AND
POWER
COMPANY

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

103298

REGISTERED

MAIL NUMBER 08921

Lima, March 5, 1970

Date Rec'd. *Mar 13/70*

Date Ack'd. *March 24/70*

Assigned to *Sheehan*
MR SHANE

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

LOAN 511-PE
Matucana

Gentlemen:

We are enclosing herewith for your information and approval the Report and Recommendation for Award of Contract prepared by our Consulting Engineers Motor-Columbus, Baden and regarding the

Metering Equipment for Water Regulation

for the above mentioned Project.

Awaiting your conformity, we remain

Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

JOSE CROCI
GERENTE

ENRIQUE BROU
GERENTE ADMINISTRATIVO

*BY WINDPARK
THE SWISS TRADING
K. LOWEST RATE
EVALUATION.
RH 3/16.*

RECEIVED

1830 MAR 11 PM 3:31

Encl. 1 recommendation

cc. MC-Baden
wts

B

LIMA
LIGHT
AND
POWER
COMPANY

VERACRUZ 281 LIMA - PERU
TELEFONO 16 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3840057

EMPRESAS ELECTRICAS ASOCIADAS

REGISTERED
MAIL NUMBER 08931

103298

Lima, March 5, 1970
Date Rec'd.

Date Ack'd.

Assigned to

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

LOAN 511-PE
Metucans

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Yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

EMRIQUE BROU
GERENTE ADMINISTRATIVO

JOSE CROCI
GERENTE

RECEIVED

1970 MAR 11 PM 3:37

COMMUNICATIONS
SECTION

Encl. 1 recommendation

cc. MC-Baden

Wts

**LIMA
LIGHT
AND
POWER
COMPANY**

VERACRUZ 261 LIMA - PERU
TELEFONO 76 200
CASILLA 1384
CABLES: ASOCIADAS
TELEX: LIGHT 3540057

EMPRESAS ELECTRICAS ASOCIADAS

REGISTERED
MAIL NUMBER 08904

102905

Date Rec'd. *Mar 3/70*
Lima, February 23, 1970

Date Ack'd.

Assigned to *[Signature]*

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Re: LOAN 511 PE - Matucana Project
220 kV Switchgear, Instrument Transformers
and Lightning Arresters for Callahuanca Substation

Dear Sirs:

We acknowledge receipt of your letter dated January 28, 1970 and wish to inform you that because of a typing error you have confirmed under item 2) of your letter the award of contract for the amount of Sw.Fr. 209.424 instead of Sw.Fr. 309.424 as indicated in our Recommendation.

Please take also note that under the same item 2) it must read: 24 Sectionalizing switches (7+17) instead as erroneously stated by us 8 (7+1). (See item and table 5.2.1 of the Recommendation).

We kindly ask you to make the corresponding corrections, and remain,

yours very truly

EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

[Signature]
JOSE CROCI
GERENTE

[Signature]
ENRIQUE BROU
GERENTE ADMINISTRATIVO

RECEIVED

1310MAR-5 PM 1:38

[Signature] wts

LIMA
LIGHT
AND
POWER
COMPANY

VERACRUZ 281 LIMA - PERU
TELEFONO 78 200
CASILLA 1284
CABLES: ASOCIADAS
TELEX: LIGHT 35400ST

EMPRESAS ELECTRICAS ASOCIADAS

REGISTERED
MAIL NUMBER 08904

102902

Date Rec'd. 2/27/70
Lima, February 23, 1970
Date Ack'd.

Assigned to

International Bank for
Reconstruction and Development
1818 H Street, N.W.
Washington, D.C. 20433
U.S.A.

Re: LOAN 511 PE - Matucana Project
220 KV Switchgear, Instrument Transformers
and Lightning Arresters for Callahuasqui Substation

Dear Sirs:

We acknowledge receipt of your letter dated January 28, 1970 and wish to inform you that because of a typing error you have confirmed under item 2) of your letter the award of contract for the amount of Sw.Fr. 309,424 instead of Sw.Fr. 309,424 as indicated in our recommendation.

Please take also note that under the same item 2) it must read: 24 Sectionalizing switches (7+17) instead as erroneous-ly stated by us 8 (7+1). (See item and table 2.2.1 of the Recommendation).

We kindly ask you to make the corresponding corrections, and remain,

Yours very truly
EMPRESAS ELECTRICAS ASOCIADAS
LIMA LIGHT & POWER COMPANY

ENRIQUE BROU
GENERAL ADMINISTRATIVO

JOSE CROCI
GERENTE

RECEIVED

1970 MAR -2 PM 1:36

COMMUNICATIONS
SECTION

WTS

Mr. Richard H. Sheehan

February 10, 1970

Carel de Beaufort

PERU - Loan 511-PE

Empresas Electricas Asociadas (Lima Light)

Discussions in Washington, D. C.

Mr. Gunther Heck, Financial Officer of Empresas Electricas Asociadas (Lima Light) visited the Bank on February 2 and 3. The discussions centered on the revisions to be made in the financing plan for the 5-year period 1969 through 1973.

Receipts from cash generation and contributions are now expected to be S/.502 million (US\$11.7 million) lower than projected in May 1969. The main reason is a reduction in projected contributions from S/1.044 million (US\$24.3 million) to S/.648 million (US\$15.1 million) because of the recession in the building industry.

The construction program has been reduced by S/.550 million (US\$12.8 million) as follows:

	Financing Plan	
	May 1969	January 1970
	(millions of Soles)	
Huenco Reservoir	93	72
Thermal Plant	155	39
Matucana Project	1,520	1,466
Distribution	2,149	1,790
Total Construction Program	<u>3,917</u>	<u>3,367</u>

The Huenco reservoir will be completed in 1970 at a lower cost than estimated. Because of lower electricity sales the thermal plant which under the May 1969 plan was to be installed in 1970, is not required until 1973. The reduction in the estimate for the Matucana project is tentative: a new cost estimate will be made in March. The sizable reduction in the distribution program amounting to S/.359 million (US\$8.3 million) is related to the slower growth of energy sales and the expected reduction in new connections due to the recession in the building industry.

Since the reductions made in the construction program are somewhat larger than the reductions expected in the cash generation and contributions, the financing needs have not increased. Market issues and loans included in the present plan are:

February 10, 1970

Millions of US\$

1970 - medium term bonds to be placed by Lehman Brothers preferred share issue	6.0 5.6
1971 - common shares preferred shares IBRD loan for distribution	3.5 3.5 7.5
1972 - debentures	6.0
Total	<u>32.1</u>

Participants in the Lehman Brothers group are now assumed to be the following:

	<u>US\$</u> (millions)
Swiss Bank Corporation	1.00
Banco Commerciale Italiana	1.00
Sudelectra, Zurich	0.25
Adela	0.75
Philadelphia National Bank	3.00
Total	<u>6.00</u>

However, Dr. Mariotti will still have to negotiate with the Philadelphia National Bank which wants a share in Lima Light's commercial business in the United States. It is not clear what Lima Light could offer in this respect. The bonds would have a term of 3 years including a grace period of 18 months. The interest rate would be $1\frac{1}{2}$ - 2% above the interest rate of 6 months US dollar deposits in London. The bonds would be known as the "Series N" and they would be secured under the Indenture with Schroder Trust Company, as Trustee.

The preferred share issue of US\$5.6 million is the issue which was postponed last year when IFC was not prepared to underwrite it. Dr. Mariotti has been negotiating with the Government in order to obtain agreement to an increase in the yield. In December 1969 he told me that the yield would be increased to 11% payable in cash. Since then the Tariff Commission, the Ministry of Energy and Mining, the Treasury, and the Central Bank have all been involved in the negotiations. As the matter now stands the Company would be allowed to earn on the preferred share capital an 8% tax-exempt dividend plus 3% commercial profit. The latter would be subject to 20% profit tax, reducing it to 2.4% on which a dividend tax of 15% would have to be paid.

February 10, 1970

Thus, maximum tax-free earnings on the preferred shares would be 10.04%. Out of this the Company plans to pay 9.5% annually in cash. It is doubtful whether this is sufficiently attractive under present market conditions. The Company believes, however, that the increase in cash payments from 8% to 9.5% will at least raise the quotations from their present level of 85% to par. According to Mr. Heck, Dr. Mariotti feels that at least \$2 million of the new issue could be placed in Peru and \$1 million in Switzerland.

The Company hopes that by the time the two share issues planned for 1971 will have to be issued, arrangements will have been worked out under which owners of expropriated land would be able to exchange the bonds they will receive as compensation, against shares in Lima Light. This arrangement would be based on the expropriation law which provides that bonds paid in compensation for expropriated land can be used for investment in Peruvian industry.

The IBRD loan of US\$7.5 million for distribution projected for 1971 is included in the Bank's 5-year plan. We are planning to verify this project in May.

It is too early to firm up plans for the debenture issue of US\$6 million projected in 1972.

As regards the revaluation of assets and the tariff increase Mr. Heck said that the application will be submitted to the Tariff Commission next month. The Company hopes that agreement will be reached on a revaluation of the assets by 20% and a tariff increase on January 1, 1971 of 17 - 18%.

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On February 11, Dr. Mariotti will be installed as a member of the consultative commission to the Ministry of Economics and Finance. Thereafter he will be leaving for the U.S. and Europe. He will probably be in Washington on February 13.

CdBeaufort:mlr

IBRD

cc: Messrs. Weiner, Jennings, White, Sear
Mr. Kapur (Western Hemisphere)
Mr. Zinman (Western Hemisphere)
Mr. Habib (IFC)/Mr. Patterson (IFC)
Central Files/Department Files

C
O
P
Y

S. A. Dept. - Mr. Zinman - C809 ✓
JNelson/dd

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

1818 H Street, N.W., Washington, D. C. 20433, U.S.A.

Area Code 202 • Telephone - EXecutive 3-6360 • Cable Address - INTBAFRAD

February 3, 1970

AIR MAIL

Expresas Electricas Asociadas
Casilla 1364
Lima, Peru

Re: Loan 511 PE

Gentlemen:

Please find enclosed a Statement of Account of the above-mentioned loan showing transactions since our previous Statement. The charges are computed to the next payment date based on the transactions posted to your account.

This Statement is for information only and is not a request for payment.

Sincerely yours,

Victor C. Chang
Deputy Chief, Accounting Division
Controller's Department

Enclosures

cc: Ministerio de Hacienda y Comercio
Lima, Peru

Contraloria General
Ministerio de Hacienda y Comercio
Lima, Peru

INTERNATIONAL BANK FOR RECONSTRUCTION AND DEVELOPMENT

FORM NO. 301 (2/28/61)

LOAN NO. 517 PE
STATEMENT OF ACCOUNT AT JANUARY 14, 1970

EMPRESAS ELÉCTRICAS ASOCIADAS ILUMINACIÓN & POWER CO. S.A.

Borrower GUARANTOR PERU

ORIGINAL AMOUNT OF LOAN

\$ 17,500,000

AMOUNT CREDITED TO LOAN ACCOUNT

\$ 17,500,000

6%

INTEREST RATE

3/8%

COMMITMENT CHARGE

ADDITIONAL CHARGE FOR SPECIAL COMMITMENT

PAYMENT DATES MAY 15 & NOV. 15

REFER ENCE NO.	VALUE DATE			MEMORANDUM	E N T R Y	CURRENCY AMOUNT OUTSTANDING				NO. OF DAYS	U. S. DOLLAR EQUIVALENT				
						PRINCIPAL		INTEREST †			PRINCIPAL	UNWITHDRAWN AMOUNT AVAILABLE †	COMMITMENT CHARGE †	TOTAL WITHDRAWN	
	MO.	DAY	YR.												
FWD	11	14	69		*							1173935.49	16326064.91	31133.00	1173935.49
						UNITED STATES DOLLARS									
FWD	11	14	69			461632.27		9986.00			461632.27				
J 477	11	15	69		1	41119.00		1234.00		180	41119.00	41119.00-N	77.00-		41119.00
J 477	11	15	69		2			9986.00					31133.00-		
J 490	11	15	69		3			13849.00		180			30611.00		
D1486	12	15	69		1	2908.43		73.00		150	2908.43	2908.43-N	5.00-		2908.43
D1503	12	16	69		1	57463.95		1427.00		149	57463.95	57463.95-N	89.00-		57463.95
D1649	12	22	69		1	46121.01		1099.00		143	46121.01	46121.01-N	69.00-		46121.01
					*	609244.66		17682.00			609244.66				
						CANADIAN DOLLARS									
D1246	12	26	69		1	83186.59		2398.00		160	83186.59	83186.59-N	139.00-		83186.59
					*	83186.59		2398.00			83186.59				
						FRENCH FRANCS									
D1006	11	20	69		1	69636.80		1967.00		169	12573.71	12573.71-N	22.00-		12573.71
					*	69636.80		1967.00			12573.71				
						DEUTSCHE MARK									
FWD	11	14	69			2153645.70		62388.00			538411.42				
J 477	11	15	69		1	62388.00		1902.00		180	17319.13	17319.13-N	32.00-		17319.13
J 477	11	15	69		2			62388.00							
J 490	11	15	69		3			64609.00		180					
					*	2217033.70		66511.00			555730.55				
						SWISS FRANCS									
FWD	11	14	69			747300.00		4484.00			173891.80				
J 477	11	15	69		1	4484.00		135.00		180	1043.40	1043.40-N	2.00-		1043.40
J 477	11	15	69		2			4484.00							
J 490	11	15	69		3			22419.00		180					
D 784	11	19	69		1	266155.50		7807.00		176	61932.64	61932.64-N	114.00-		61932.64
D1473	12	15	69		1	27793.00		695.00		150	6467.25	6467.25-N	10.00-		6467.25
					*	1042732.50		31056.00			243335.69				
					*										1504070.60
											1504070.60	15995929.40	38052.00		

ENTRY CODE

1. WITHDRAWAL (OR REFUND-)
2. PAYMENT BY BORROWER
3. SALE TO THIRD PARTY
4. ADJUSTMENT

5. SEMI-ANNUAL CHARGES
6. SPECIAL COMMITMENT TRANSFER
7. CREDIT TO LOAN ACCOUNT
- 8.
- * TOTAL

† ALL CHARGES ARE COMPUTED TO THE NEXT PAYMENT DATE. AMOUNTS SUBJECT TO ADDITIONAL CHARGE FOR SPECIAL COMMITMENT ARE INDICATED BY SYMBOL X AND ALL OTHER AMOUNTS BY SYMBOL N.