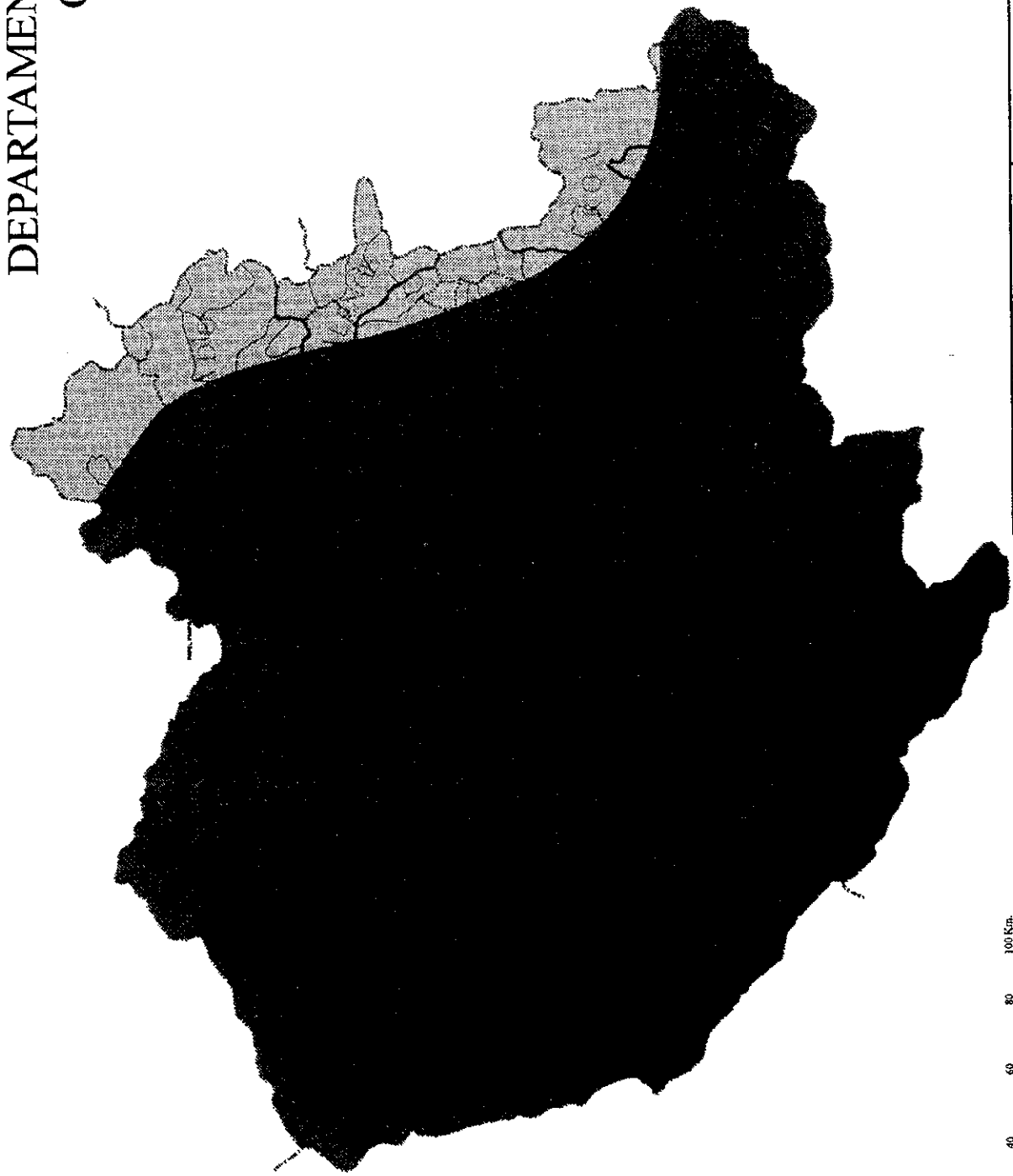
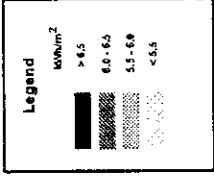
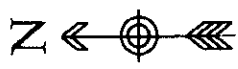


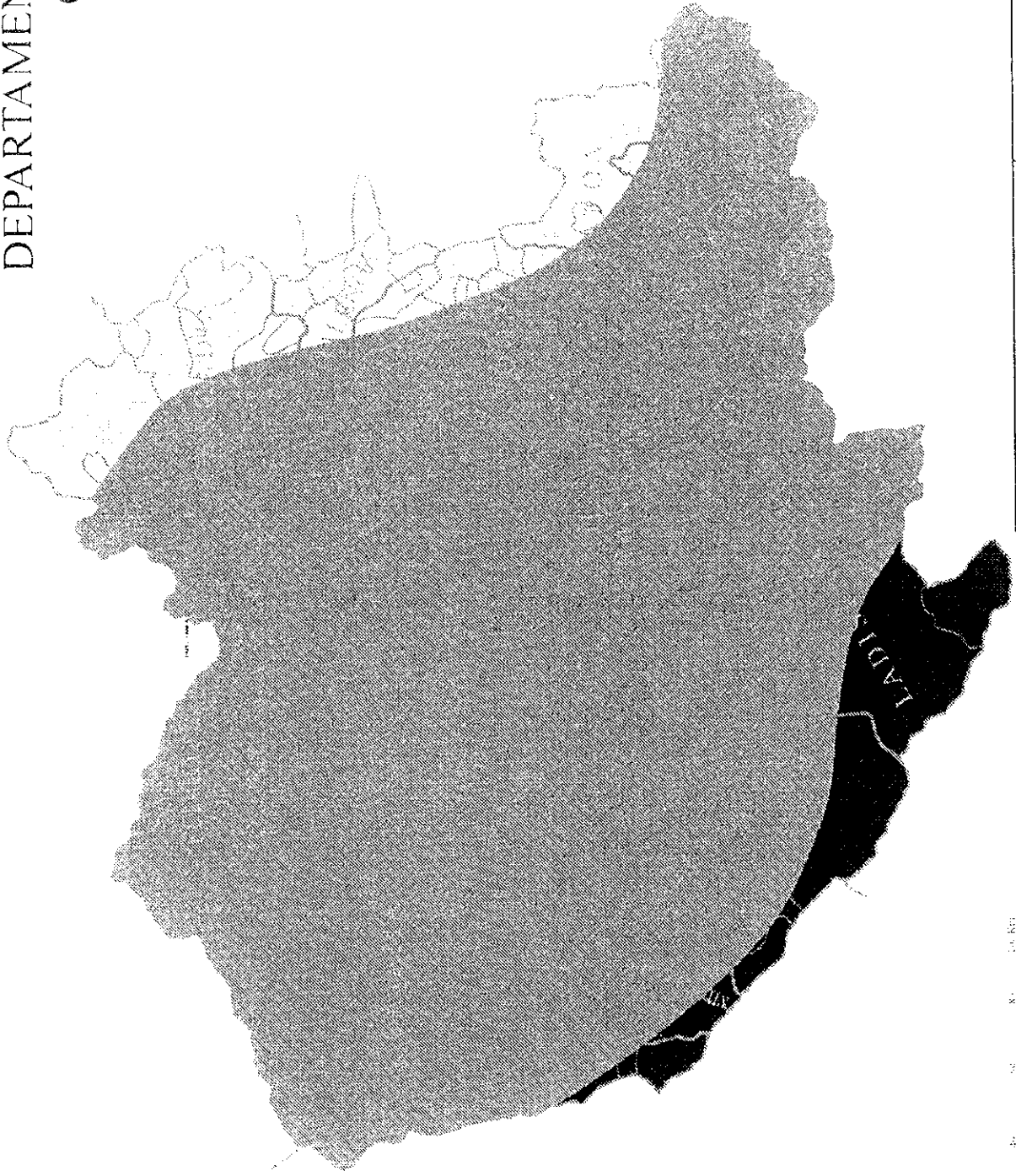
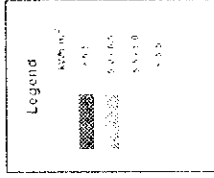
DEPARTAMENTO DE ORURO



THE STUDY ON RURAL ELECTRIFICATION
IMPLEMENTATION PLAN BY RENEWABLE ENERGY
IN THE REPUBLIC OF BOLIVIA
JAPAN INTERNATIONAL COOPERATION AGENCY

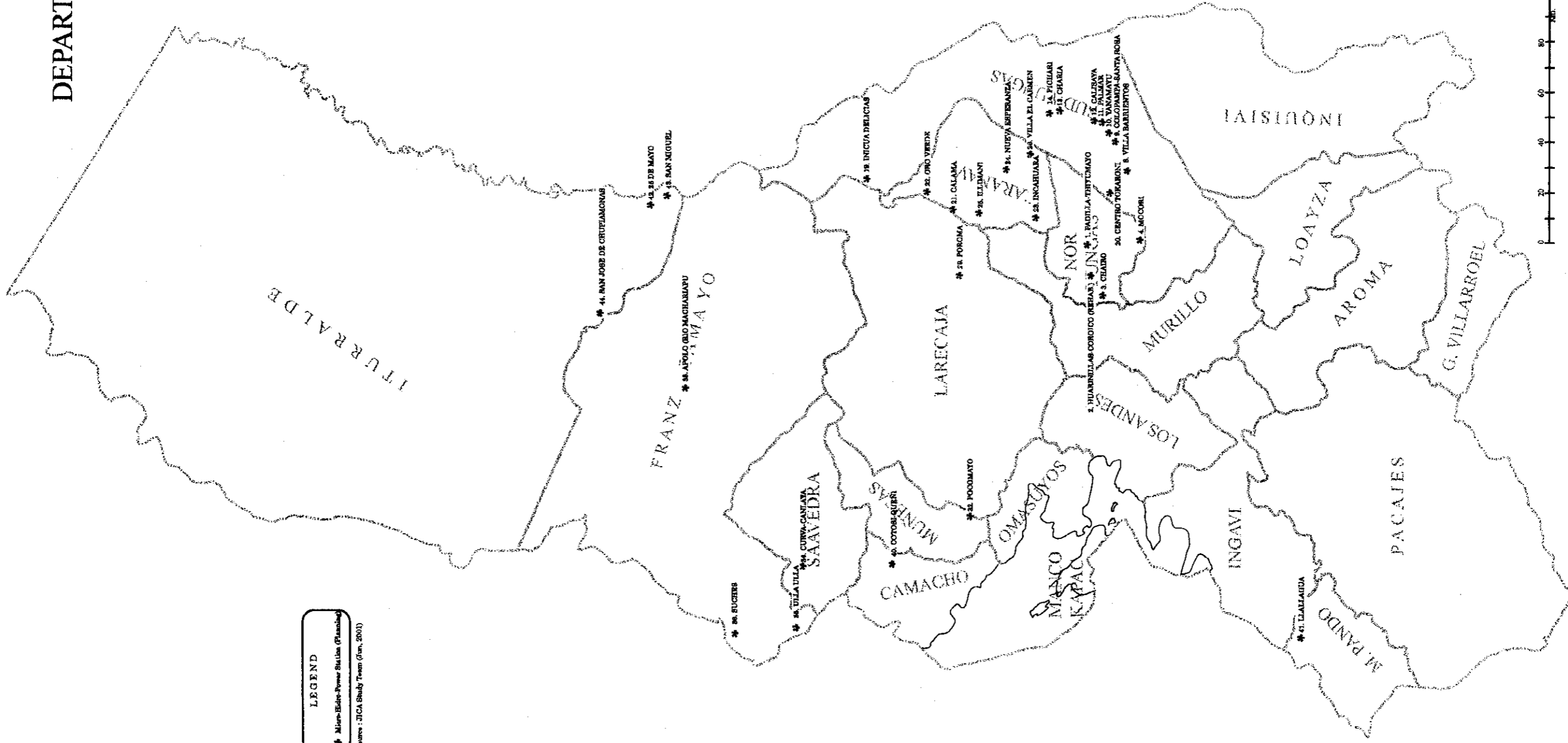
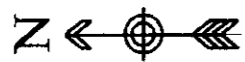
Figura 8.6
Mapa de Energía Fotovoltaica Potencial
Oruro (2002-2006, 2007-2011)

DEPARTAMENTO DE ORURO



THE STUDY WAS PART OF THE PROJECT ON
 "AGRICULTURE IN LAJUN BY REGIONAL ECONOMIC
 DEVELOPMENT" - BOLIVIA
 -SIEMPRE SIEMPRE SIEMPRE SIEMPRE SIEMPRE

DEPARTAMENTO DE LA PAZ



LEGEND
 * Micro-Hydro-Power Station (Planned)
 Source: JICA Study Team (Jan. 2001)

THE STUDY ON RURAL ELECTRIFICATION
 IMPLEMENTATION PLAN BY RENEWABLE ENERGY
 IN THE REPUBLIC OF BOLIVIA
 JAPAN INTERNATIONAL COOPERATION AGENCY

Figura 8.7
 Proyecto de Selección Prioritaria de Micro Centrales
 Hidroeléctricas (2002-2006, 2007-2011) (La Paz)



DEPARTAMENTO DE ORURO

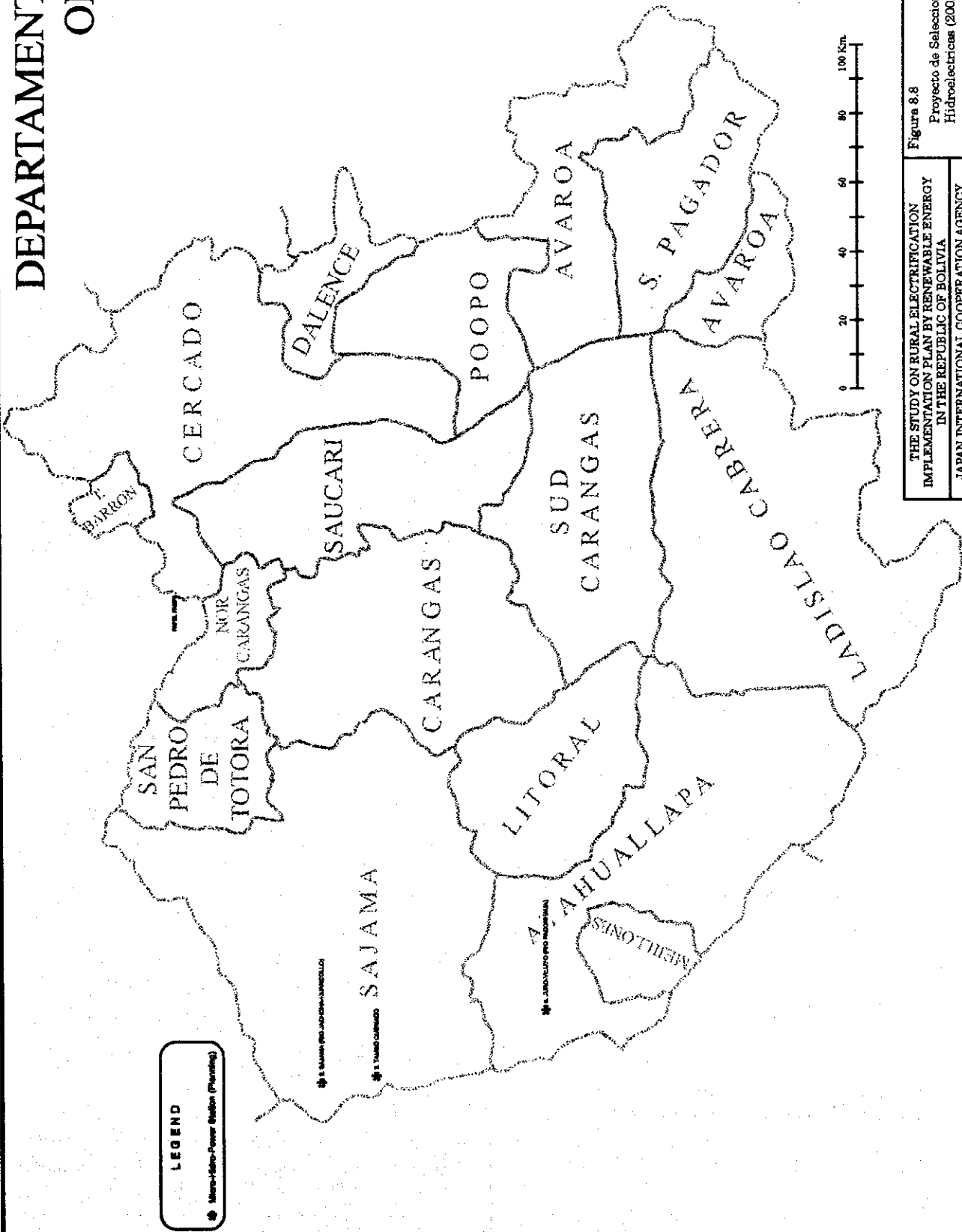
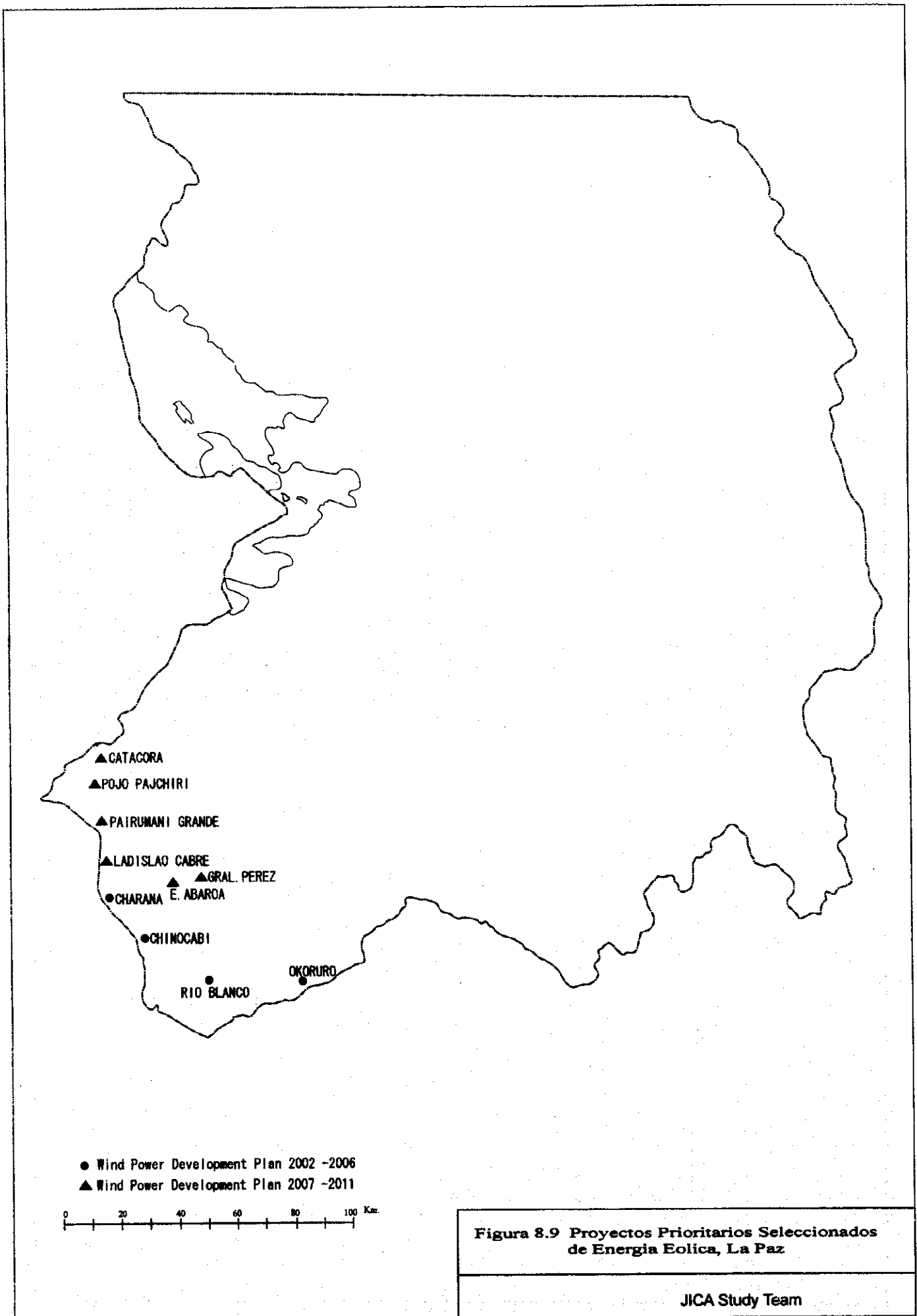
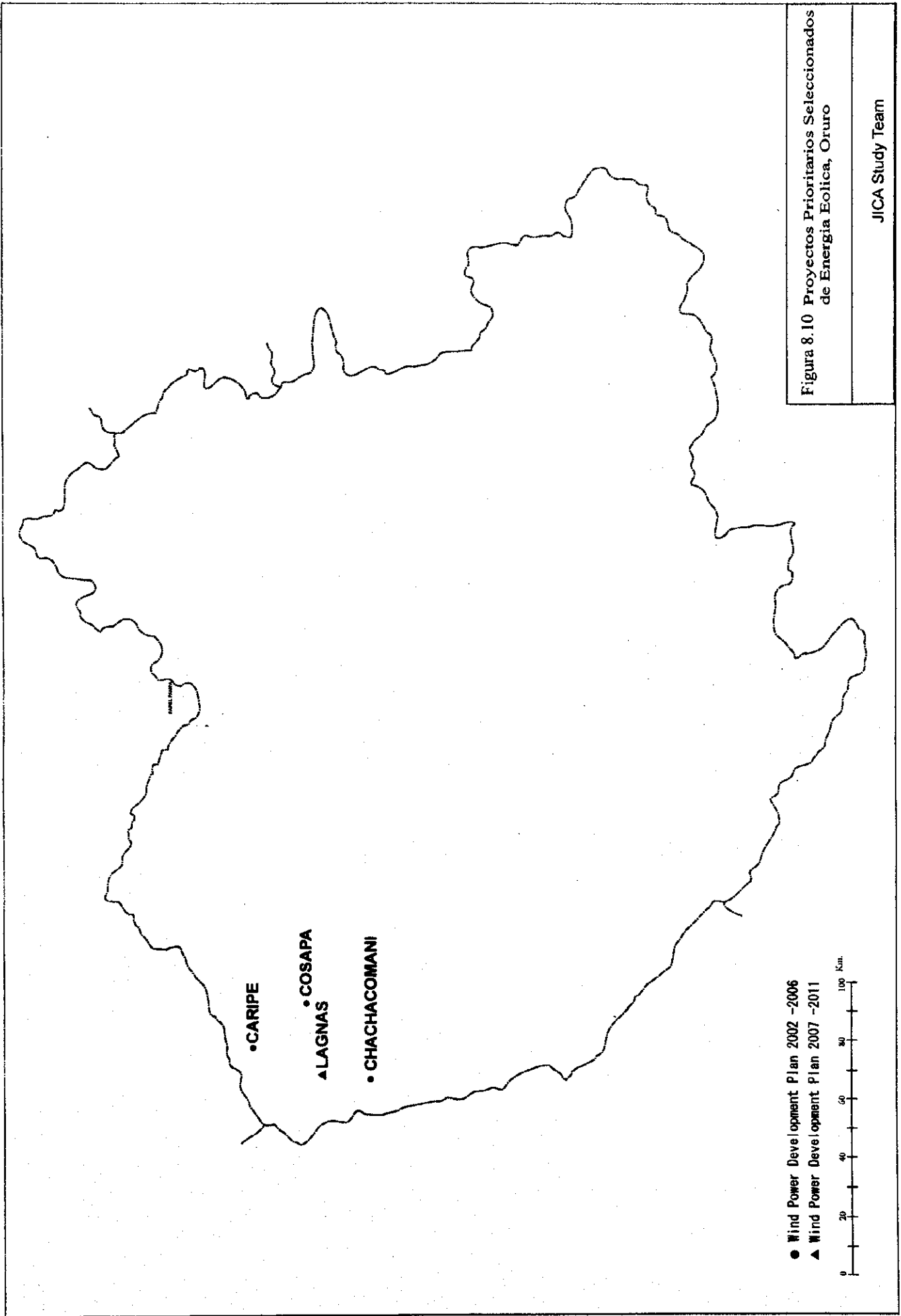


Figura 8.8

Proyecto de Selección Prioritaria de Micro Centrales Hidroeléctricas (2002-2006, 2007-2011) (Oruro)

THE STUDY ON RURAL ELECTRIFICATION IMPLEMENTATION PLAN BY RENEWABLE ENERGY IN THE REPUBLIC OF BOLIVIA
JAPAN INTERNATIONAL COOPERATION AGENCY



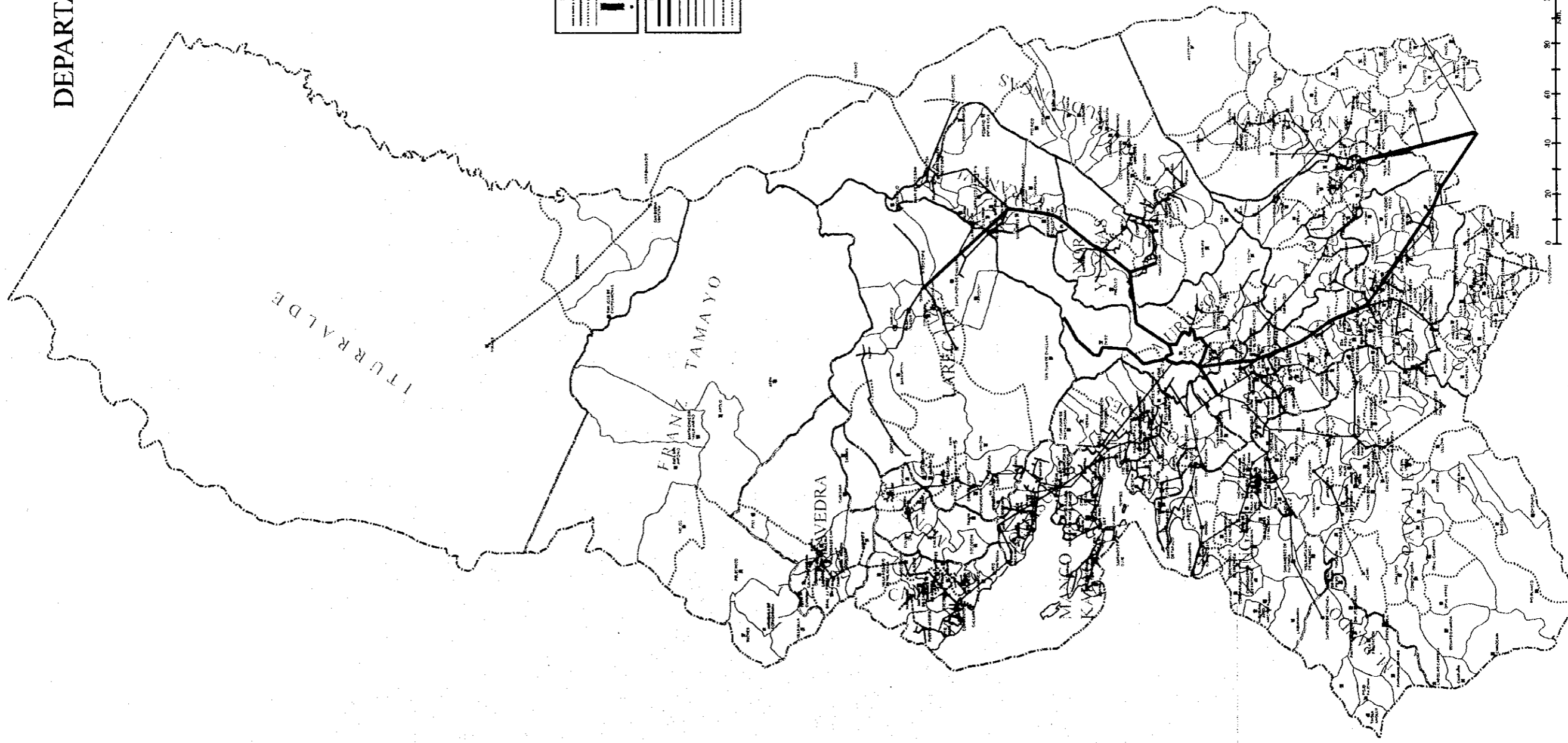


DEPARTAMENTO DE
LA PAZ



LEGEND	
-----	Department
-----	Municipio
-----	Canton
-----	Capital of Canton
-----	Headquarters of Municipality
-----	Community

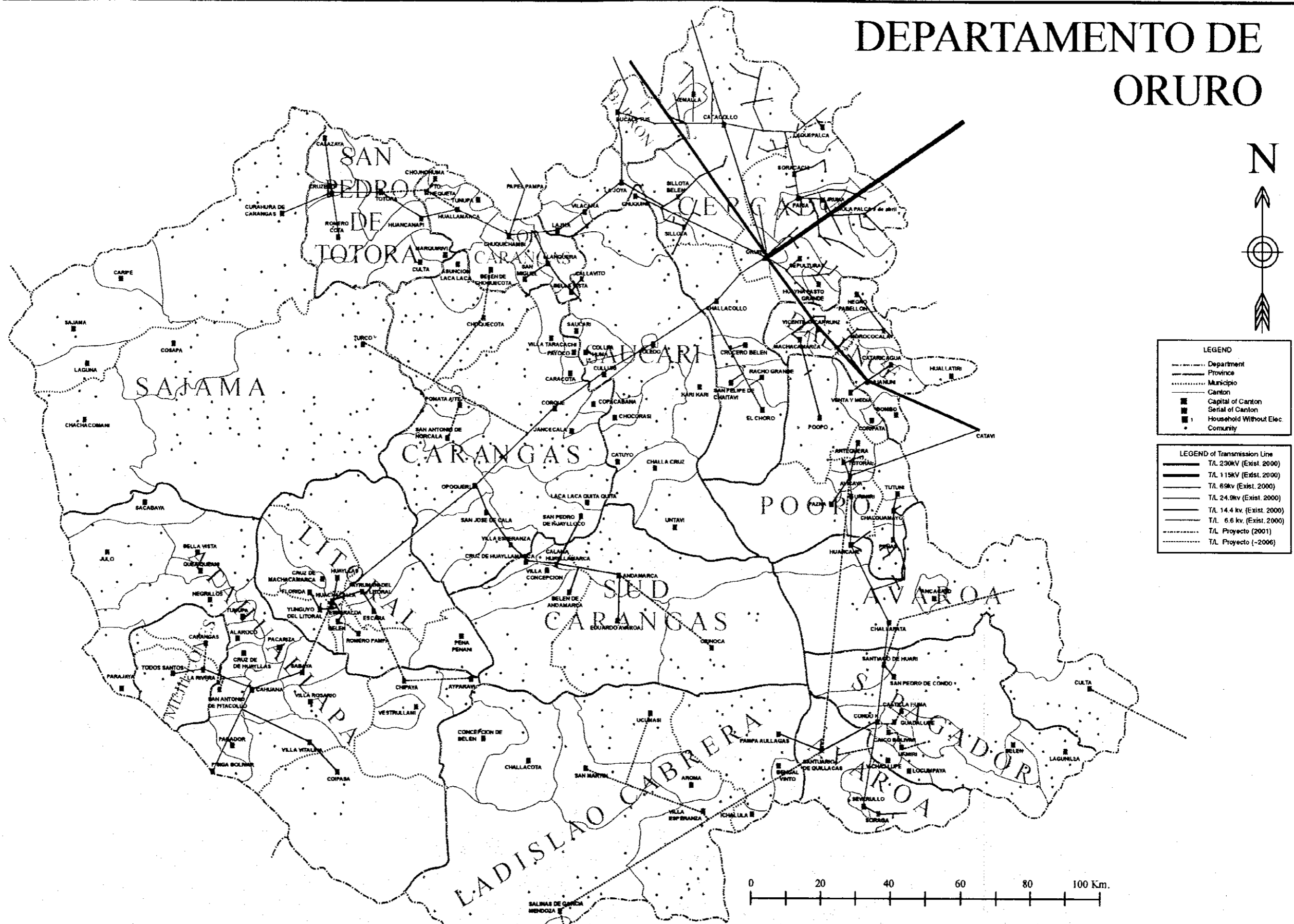
LEGEND	
-----	TL 229kV (Base) 2005
-----	TL 115kV (Base) 2000
-----	TL 69kV (Ext) 2000
-----	TL 34.5kV (Ext) 2000
-----	TL 17.25kV (Ext) 2000
-----	TL 10.5kV (Ext) 2000
-----	TL 4.4kV (Ext) 2000
-----	TL Project (2005)



THE STUDY ON RURAL ELECTRIFICATION
IMPLEMENTATION PLAN BY RENEWABLE ENERGY
IN THE REPUBLIC OF BOLIVIA
JAPAN INTERNATIONAL COOPERATION AGENCY

Figura 8.11
Plan Proyectado de Extension de Red de Linea
para 2006 (La Paz)

DEPARTAMENTO DE ORURO



LEGEND

- Department
- Province
- Municipio
- Canton
- Capital of Canton
- Serial of Canton
- 1 Household Without Elec.
- Community

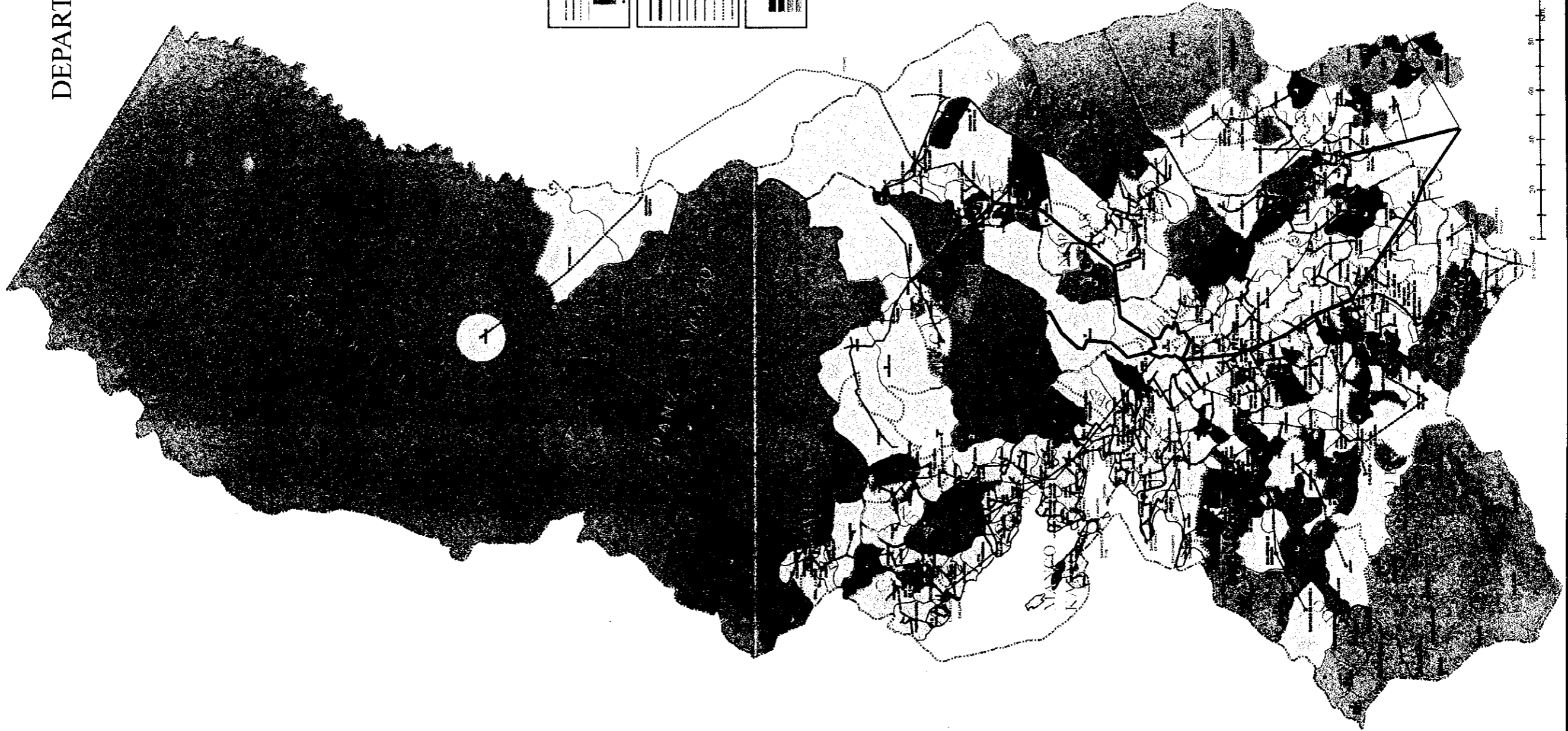
LEGEND of Transmission Line

- TL 230kv (Exist. 2000)
- TL 115kv (Exist. 2000)
- TL 69kv (Exist. 2000)
- TL 24.9kv (Exist. 2000)
- TL 14.4 kv (Exist. 2000)
- TL 6.6 kv (Exist. 2000)
- TL Proyecto (2001)
- TL Proyecto (-2006)

THE STUDY ON RURAL ELECTRIFICATION
 IMPLEMENTATION PLAN BY RENEWABLE ENERGY
 IN THE REPUBLIC OF BOLIVIA
 JAPAN INTERNATIONAL COOPERATION AGENCY

Figura 8.12
 Plan Projectado de Extension de Red de Linea
 para 2006 (Oruro)

DEPARTAMENTO DE
LA PAZ



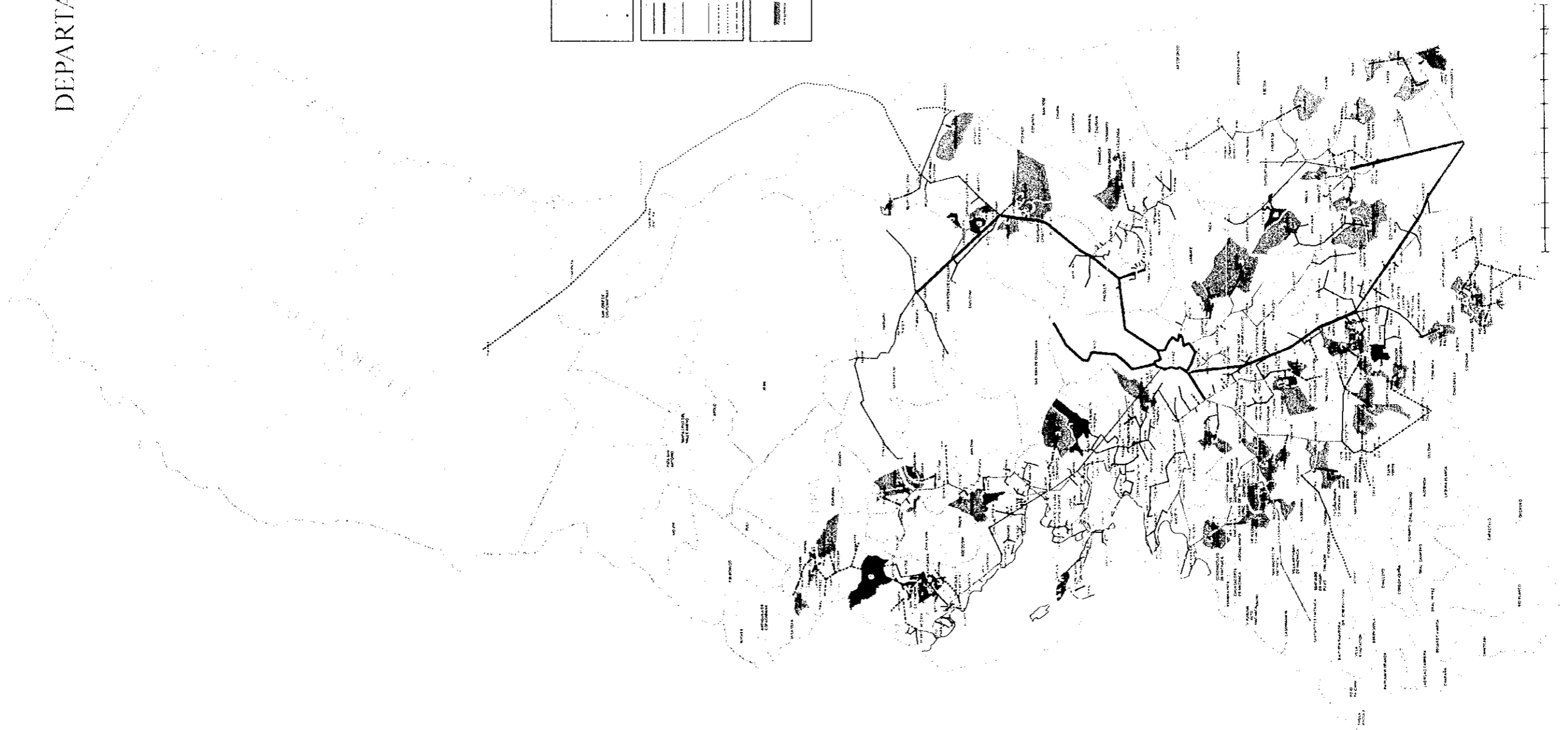
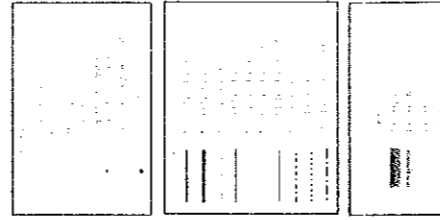
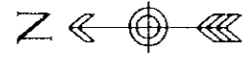
LEGENA	
	Departamento
	Municipio
	Caseros
	Circuito
	Red de 10 kV
	Red de 20 kV
	Red de 35 kV
	Red de 60 kV
	Red de 110 kV
	Red de 220 kV
	Red de 380 kV
	Red de 500 kV
	Red de 765 kV
	Red de 1100 kV
	Red de 1500 kV
	Red de 2000 kV
	Red de 2500 kV
	Red de 3000 kV
	Red de 3500 kV
	Red de 4000 kV
	Red de 4500 kV
	Red de 5000 kV
	Red de 5500 kV
	Red de 6000 kV
	Red de 6500 kV
	Red de 7000 kV
	Red de 7500 kV
	Red de 8000 kV
	Red de 8500 kV
	Red de 9000 kV
	Red de 9500 kV
	Red de 10000 kV
	Red de 10500 kV
	Red de 11000 kV
	Red de 11500 kV
	Red de 12000 kV
	Red de 12500 kV
	Red de 13000 kV
	Red de 13500 kV
	Red de 14000 kV
	Red de 14500 kV
	Red de 15000 kV
	Red de 15500 kV
	Red de 16000 kV
	Red de 16500 kV
	Red de 17000 kV
	Red de 17500 kV
	Red de 18000 kV
	Red de 18500 kV
	Red de 19000 kV
	Red de 19500 kV
	Red de 20000 kV
	Red de 20500 kV
	Red de 21000 kV
	Red de 21500 kV
	Red de 22000 kV
	Red de 22500 kV
	Red de 23000 kV
	Red de 23500 kV
	Red de 24000 kV
	Red de 24500 kV
	Red de 25000 kV
	Red de 25500 kV
	Red de 26000 kV
	Red de 26500 kV
	Red de 27000 kV
	Red de 27500 kV
	Red de 28000 kV
	Red de 28500 kV
	Red de 29000 kV
	Red de 29500 kV
	Red de 30000 kV
	Red de 30500 kV
	Red de 31000 kV
	Red de 31500 kV
	Red de 32000 kV
	Red de 32500 kV
	Red de 33000 kV
	Red de 33500 kV
	Red de 34000 kV
	Red de 34500 kV
	Red de 35000 kV
	Red de 35500 kV
	Red de 36000 kV
	Red de 36500 kV
	Red de 37000 kV
	Red de 37500 kV
	Red de 38000 kV
	Red de 38500 kV
	Red de 39000 kV
	Red de 39500 kV
	Red de 40000 kV
	Red de 40500 kV
	Red de 41000 kV
	Red de 41500 kV
	Red de 42000 kV
	Red de 42500 kV
	Red de 43000 kV
	Red de 43500 kV
	Red de 44000 kV
	Red de 44500 kV
	Red de 45000 kV
	Red de 45500 kV
	Red de 46000 kV
	Red de 46500 kV
	Red de 47000 kV
	Red de 47500 kV
	Red de 48000 kV
	Red de 48500 kV
	Red de 49000 kV
	Red de 49500 kV
	Red de 50000 kV
	Red de 50500 kV
	Red de 51000 kV
	Red de 51500 kV
	Red de 52000 kV
	Red de 52500 kV
	Red de 53000 kV
	Red de 53500 kV
	Red de 54000 kV
	Red de 54500 kV
	Red de 55000 kV
	Red de 55500 kV
	Red de 56000 kV
	Red de 56500 kV
	Red de 57000 kV
	Red de 57500 kV
	Red de 58000 kV
	Red de 58500 kV
	Red de 59000 kV
	Red de 59500 kV
	Red de 60000 kV
	Red de 60500 kV
	Red de 61000 kV
	Red de 61500 kV
	Red de 62000 kV
	Red de 62500 kV
	Red de 63000 kV
	Red de 63500 kV
	Red de 64000 kV
	Red de 64500 kV
	Red de 65000 kV
	Red de 65500 kV
	Red de 66000 kV
	Red de 66500 kV
	Red de 67000 kV
	Red de 67500 kV
	Red de 68000 kV
	Red de 68500 kV
	Red de 69000 kV
	Red de 69500 kV
	Red de 70000 kV
	Red de 70500 kV
	Red de 71000 kV
	Red de 71500 kV
	Red de 72000 kV
	Red de 72500 kV
	Red de 73000 kV
	Red de 73500 kV
	Red de 74000 kV
	Red de 74500 kV
	Red de 75000 kV
	Red de 75500 kV
	Red de 76000 kV
	Red de 76500 kV
	Red de 77000 kV
	Red de 77500 kV
	Red de 78000 kV
	Red de 78500 kV
	Red de 79000 kV
	Red de 79500 kV
	Red de 80000 kV
	Red de 80500 kV
	Red de 81000 kV
	Red de 81500 kV
	Red de 82000 kV
	Red de 82500 kV
	Red de 83000 kV
	Red de 83500 kV
	Red de 84000 kV
	Red de 84500 kV
	Red de 85000 kV
	Red de 85500 kV
	Red de 86000 kV
	Red de 86500 kV
	Red de 87000 kV
	Red de 87500 kV
	Red de 88000 kV
	Red de 88500 kV
	Red de 89000 kV
	Red de 89500 kV
	Red de 90000 kV
	Red de 90500 kV
	Red de 91000 kV
	Red de 91500 kV
	Red de 92000 kV
	Red de 92500 kV
	Red de 93000 kV
	Red de 93500 kV
	Red de 94000 kV
	Red de 94500 kV
	Red de 95000 kV
	Red de 95500 kV
	Red de 96000 kV
	Red de 96500 kV
	Red de 97000 kV
	Red de 97500 kV
	Red de 98000 kV
	Red de 98500 kV
	Red de 99000 kV
	Red de 99500 kV
	Red de 100000 kV



THE STUDY ON RURAL ELECTRIFICATION
IMPLEMENTATION PLAN BY RENEWABLE ENERGY
IN THE REPUBLIC OF BOLIVIA
JAPAN INTERNATIONAL COOPERATION AGENCY

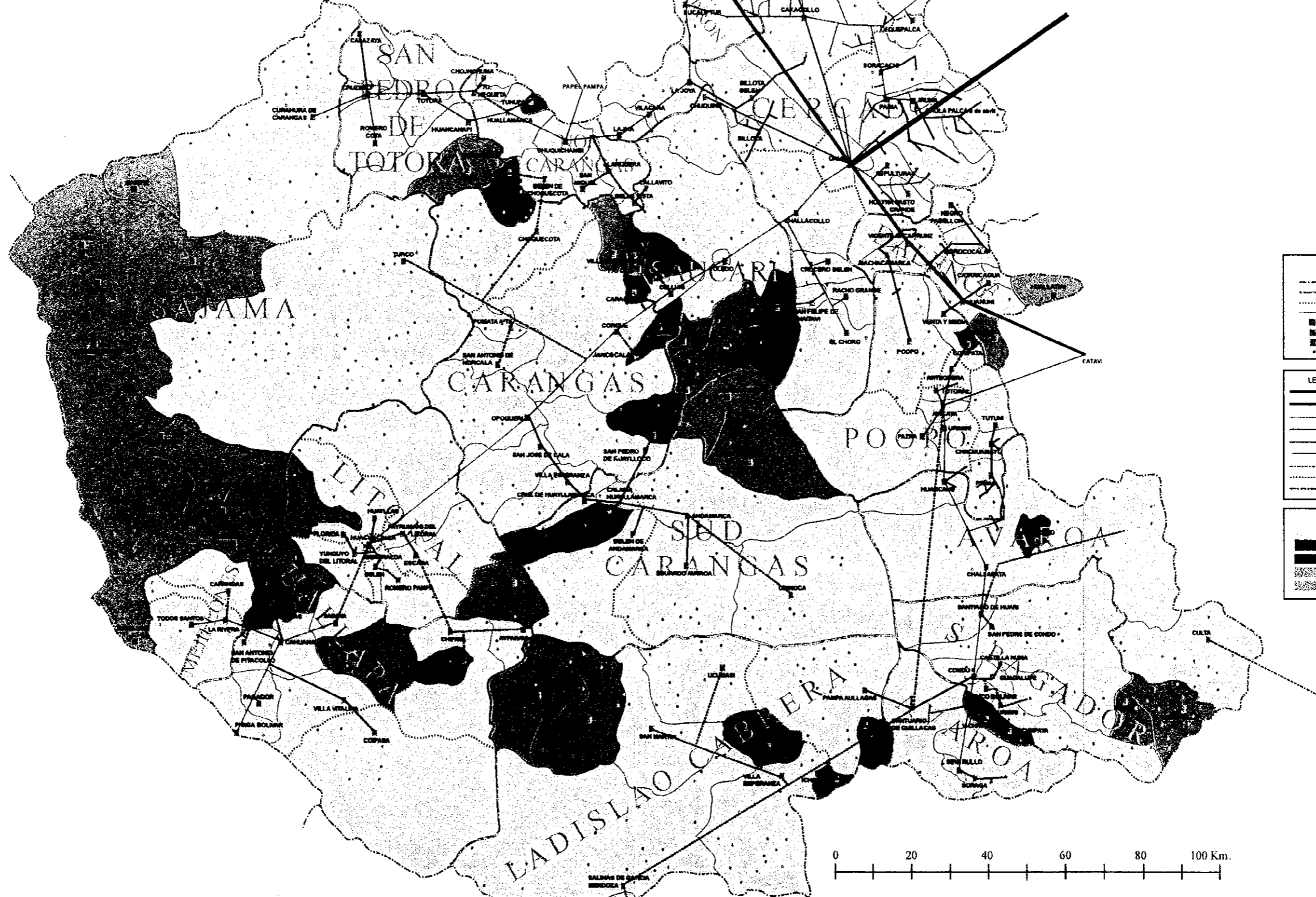
Figura 8.13
Plan Proyectado de Extension de Red de Linea
para 2011 (La Paz)

DEPARTAMENTO DE
LA PAZ.



<p>THE STUDY ON RURAL ELECTRIFICATION IMPLEMENTATION PLAN BY RENEWABLE ENERGY IN THE REPUBLIC OF BOLIVIA JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>Figura 8.13 Plan Proyectado de Extension de Red de Linea para 2011 (La Paz)</p>
---	--

DEPARTAMENTO DE ORURO



LEGEND

- Department
- Province
- Municipio
- Canton
- Capital of Canton
- Serial of Canton
- Household Without Elec.
- Community

LEGEND of Transmission Line

- T/L 230kV (Exist. 2000)
- T/L 115kV (Exist. 2000)
- T/L 69kV (Exist. 2000)
- T/L 24.9kV (Exist. 2000)
- T/L 14.4 kv (Exist. 2000)
- T/L 6.6 kv (Exist. 2000)
- T/L Proyecto (2001)
- T/L Proyecto (-2006)
- T/L Proyecto (-2011)

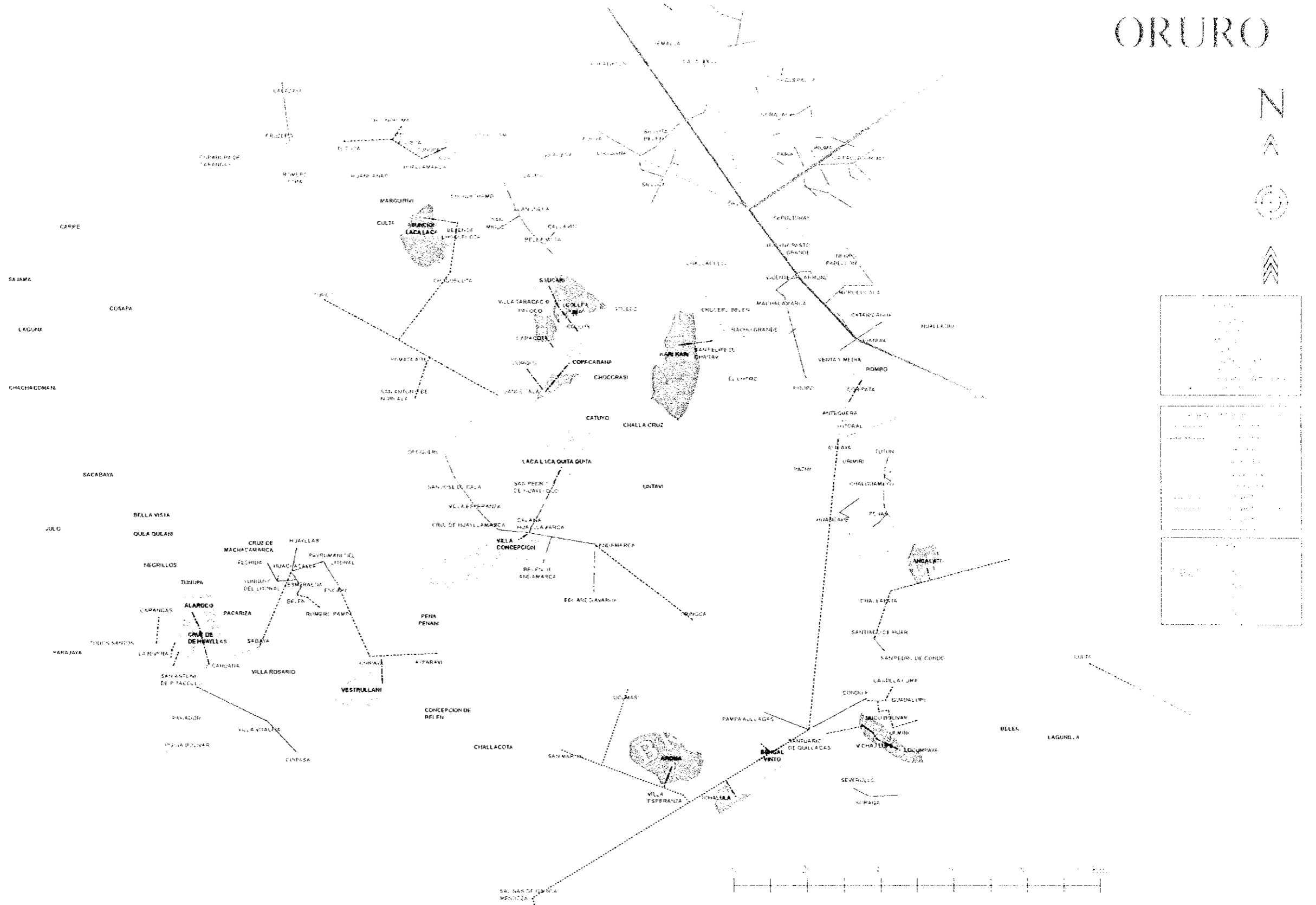
LEGEND

- Grid
- Priority A
- Priority B
- Priority C
- Priority D

THE STUDY ON RURAL ELECTRIFICATION
 IMPLEMENTATION PLAN BY RENEWABLE ENERGY
 IN THE REPUBLIC OF BOLIVIA
 JAPAN INTERNATIONAL COOPERATION AGENCY

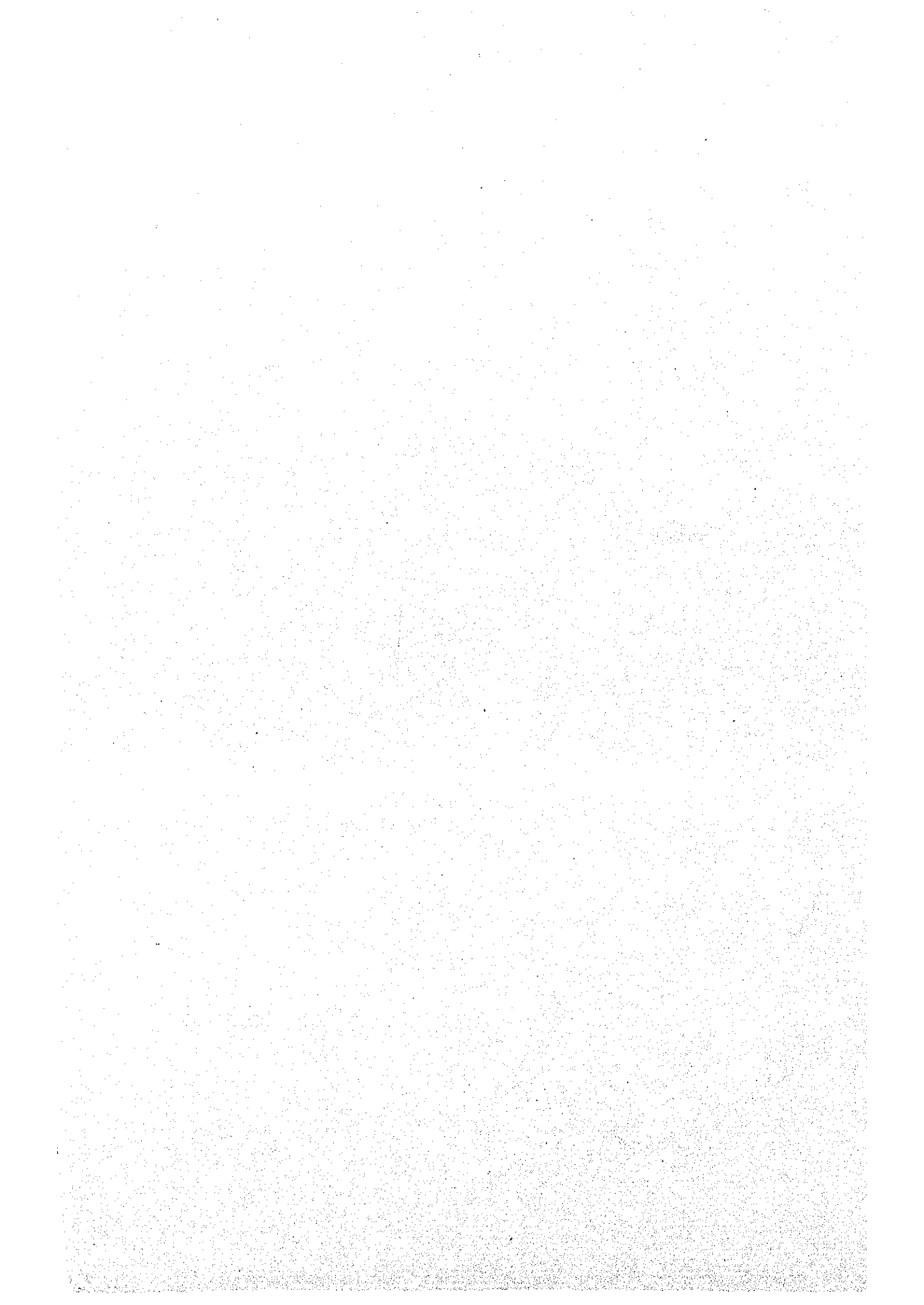
Figura 8.14
 Plan Proyecto de Extension de Red de Linea
 para 2011 (Oruro)

DEPARTAMENTO DE ORURO



THE STUDY ON RURAL ELECTRIFICATION IN THE DEPARTMENT OF ORURO IS FINANCIED BY THE NATIONAL ELECTRICITY COMPANY (ENEL) THROUGH THE PROJECT "EXTENSION OF THE RURAL ELECTRIFICATION NETWORK IN THE DEPARTMENT OF ORURO".

Figura 8.11
Plan Proyectado de Extensión de Red de Línea para 2011 Oruro.



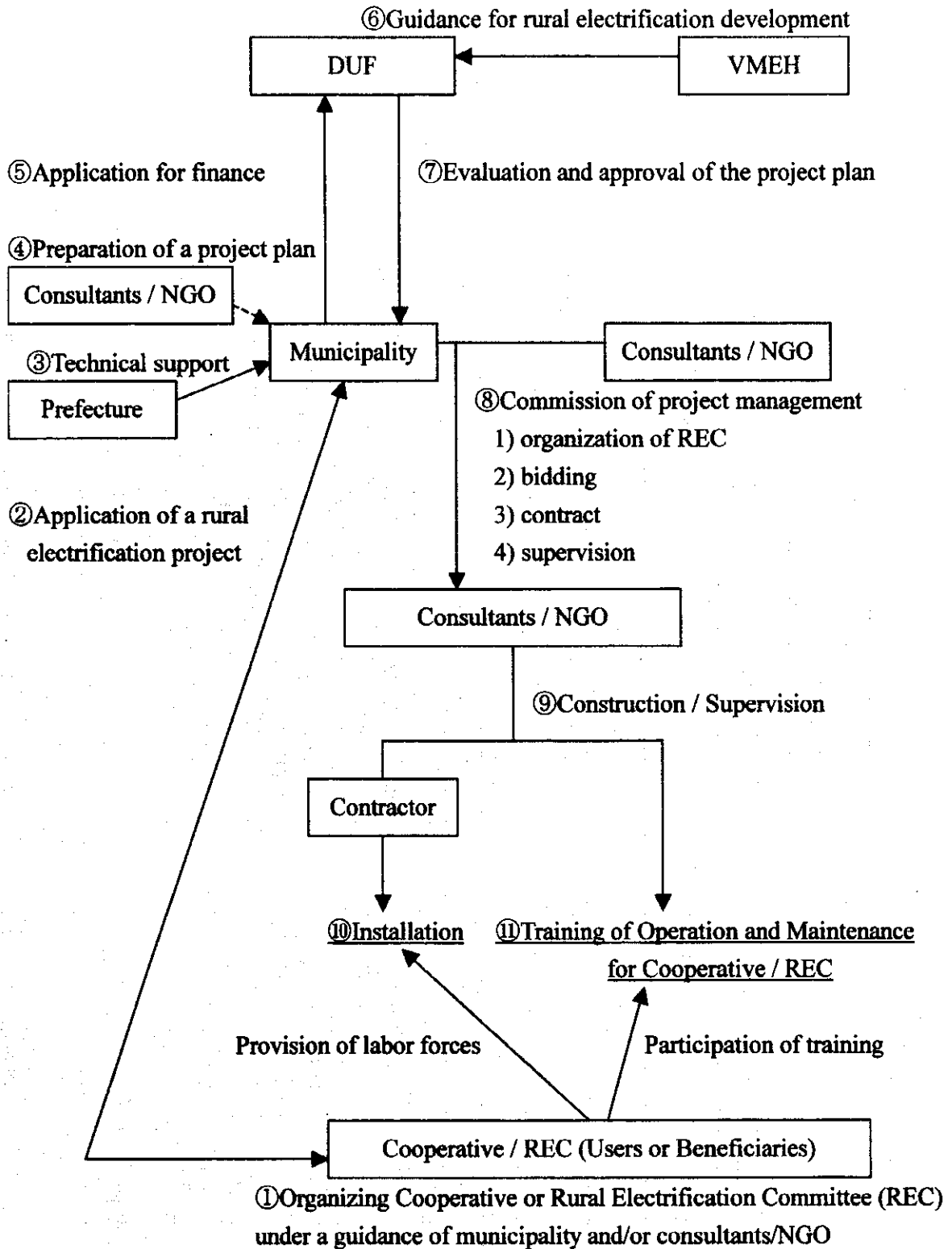
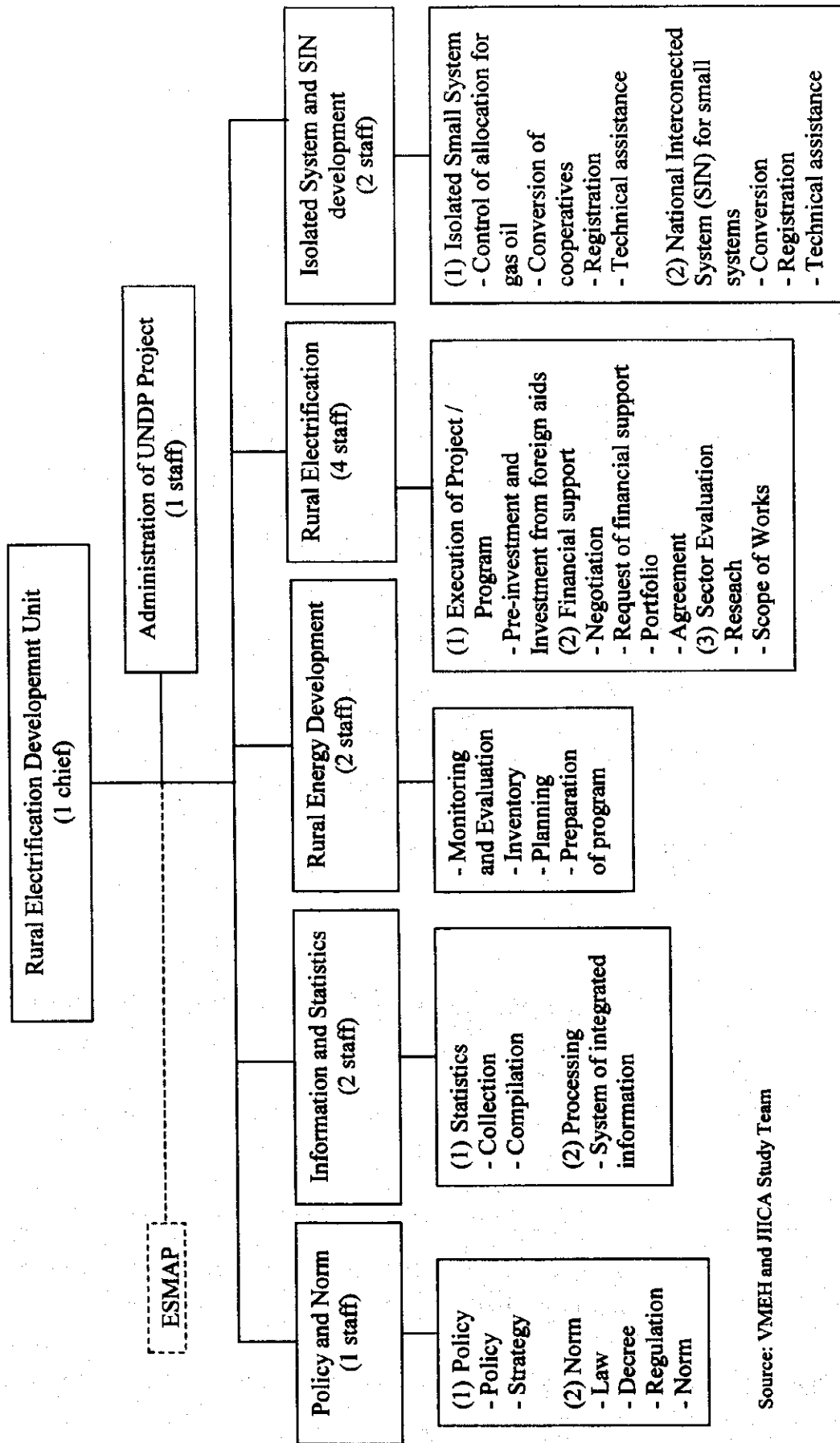


Figura 8.15 Implementación del Proyecto para el Proyecto de Energía Renovables

Source: JICA Study Team



Source: VMEH and JICA Study Team

Figura 9.1 Organización de Unidad de Desarrollo para Electrificación Rural

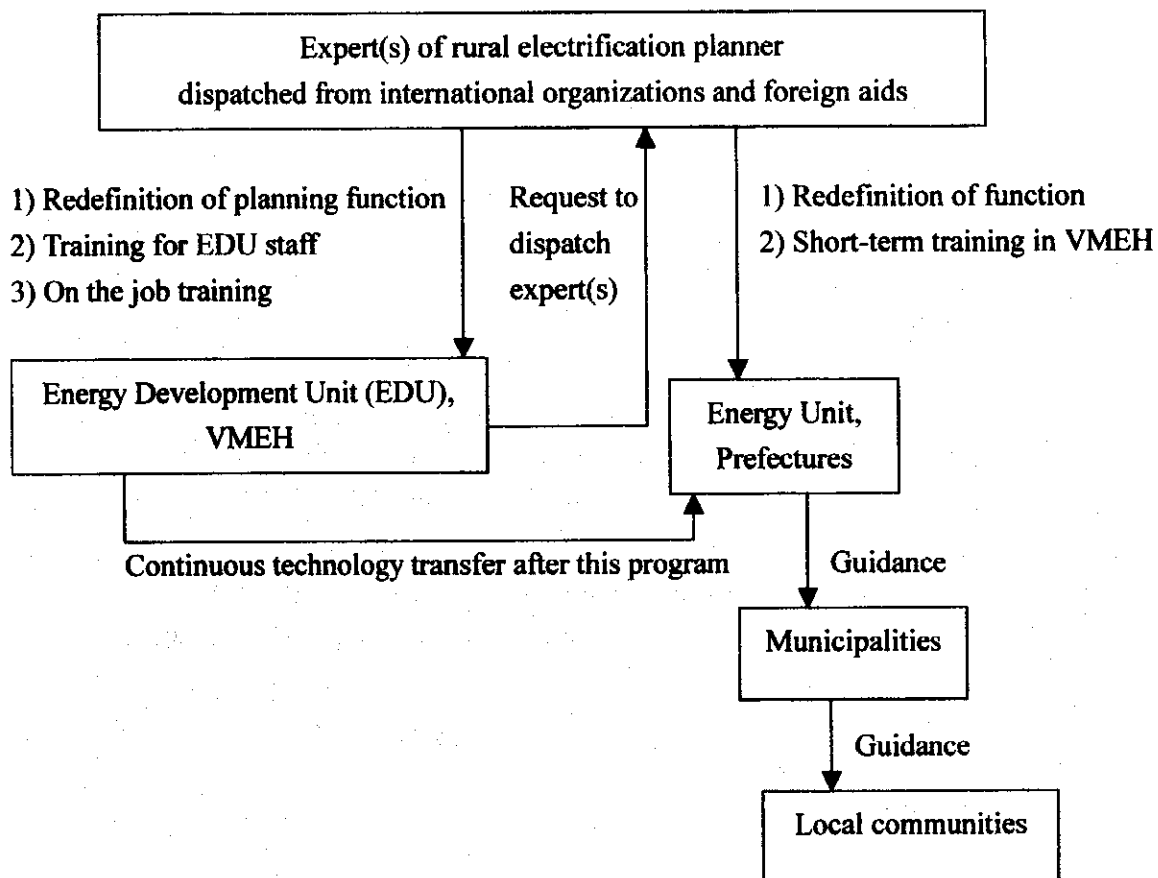


Figura 9.2 Fortalecimiento del Personal de la UDE

Source: JICA Study Team

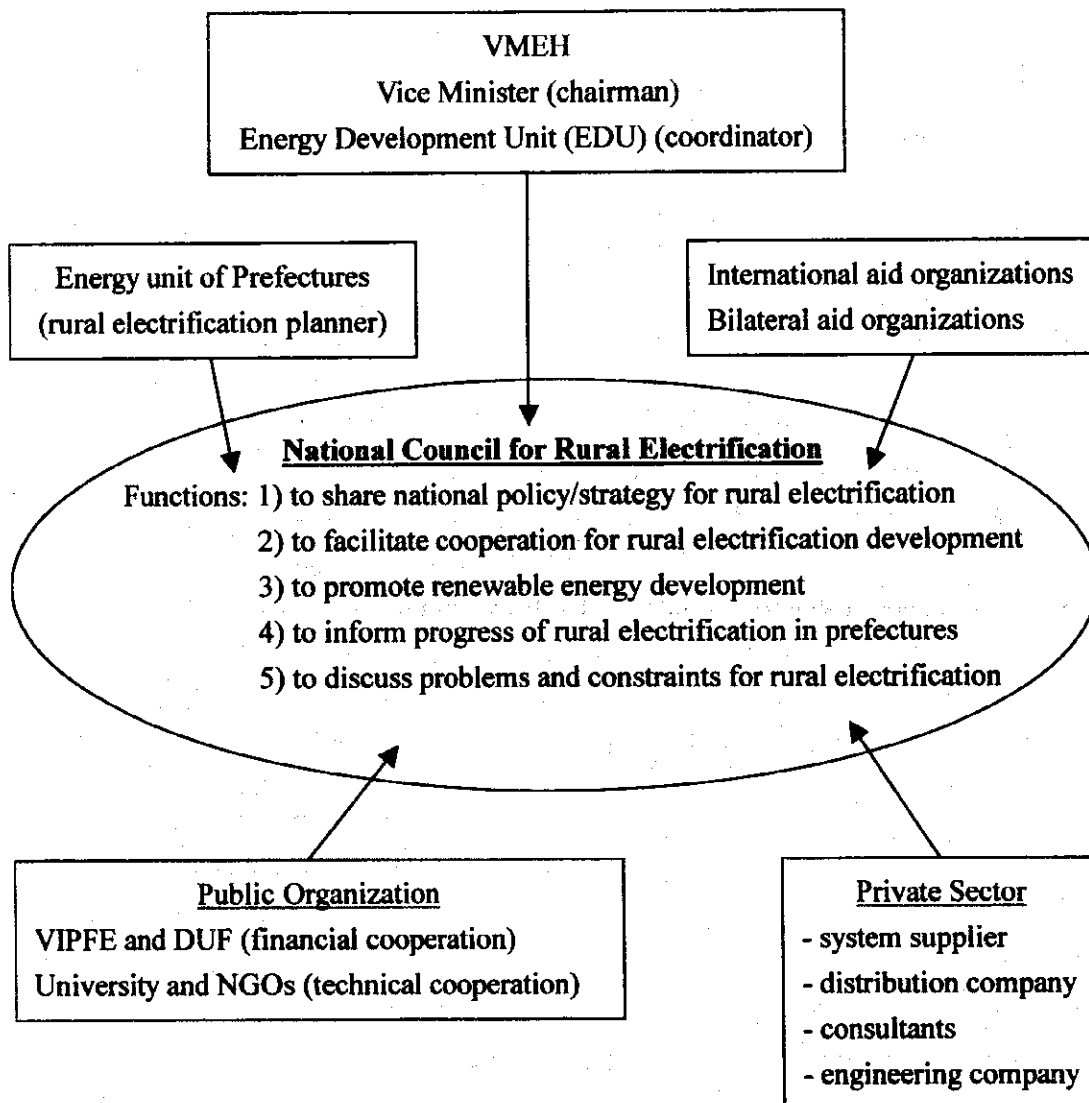


Figura 9.3 Consejo Nacional para la Electrificación Rural

Source: JICA Study Team

- (1) to inform national policy and strategy for rural electrification
- (2) to assist technology for rural electrification development
- (3) to coordinate for financial arrangement

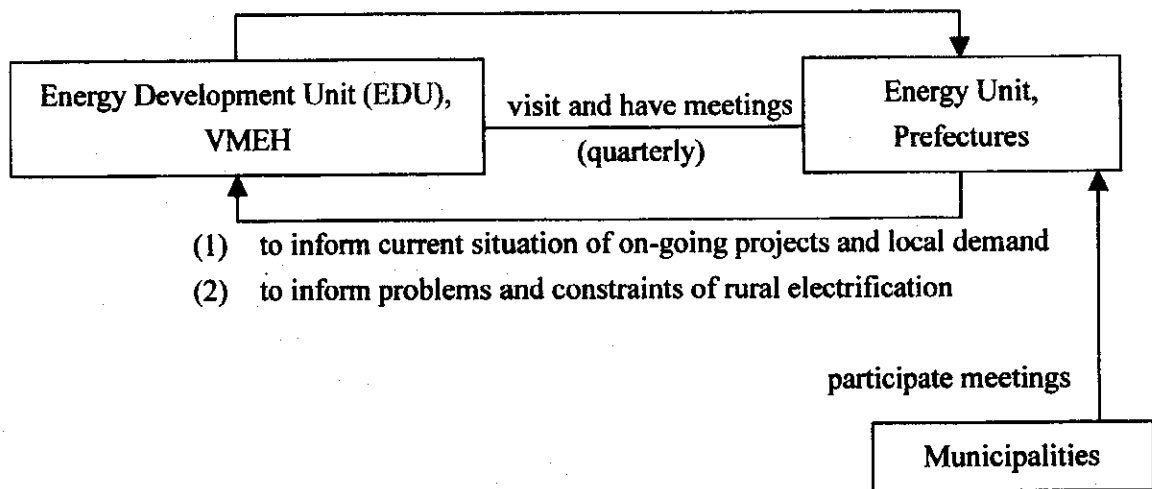


Figura 9.4 Reuniones Regulares con el Gobierno Local Organizada por el Personal del VMEH

Source: JICA Study Team

JICA