

LIMA-CHIMBOTE

Peru



Lima-Chimbote Transmission Line

DESCRIPTION

This project was to construct approximately 400km of power transmission lines to connect three independent power systems of Peru. The power lines run along the Pacific coast from Lima, the capital, through Paramonga to Chimbote. Chimbote is the largest industrial city in northern Peru. Thus

Central Power System, located near Lima(1,190 MW, 54% of entire Peru), the Paramonga Power System(40MW, 2% of entire Peru), and the Santa Power System, located near Chimbote(182MW, 8% of entire Peru), were interconnected.



NAME OF CLIENT:

Electro Peru

Oversea Technical Cooperation Agency(OTCA)

TRANSMISSION FACILITIES:

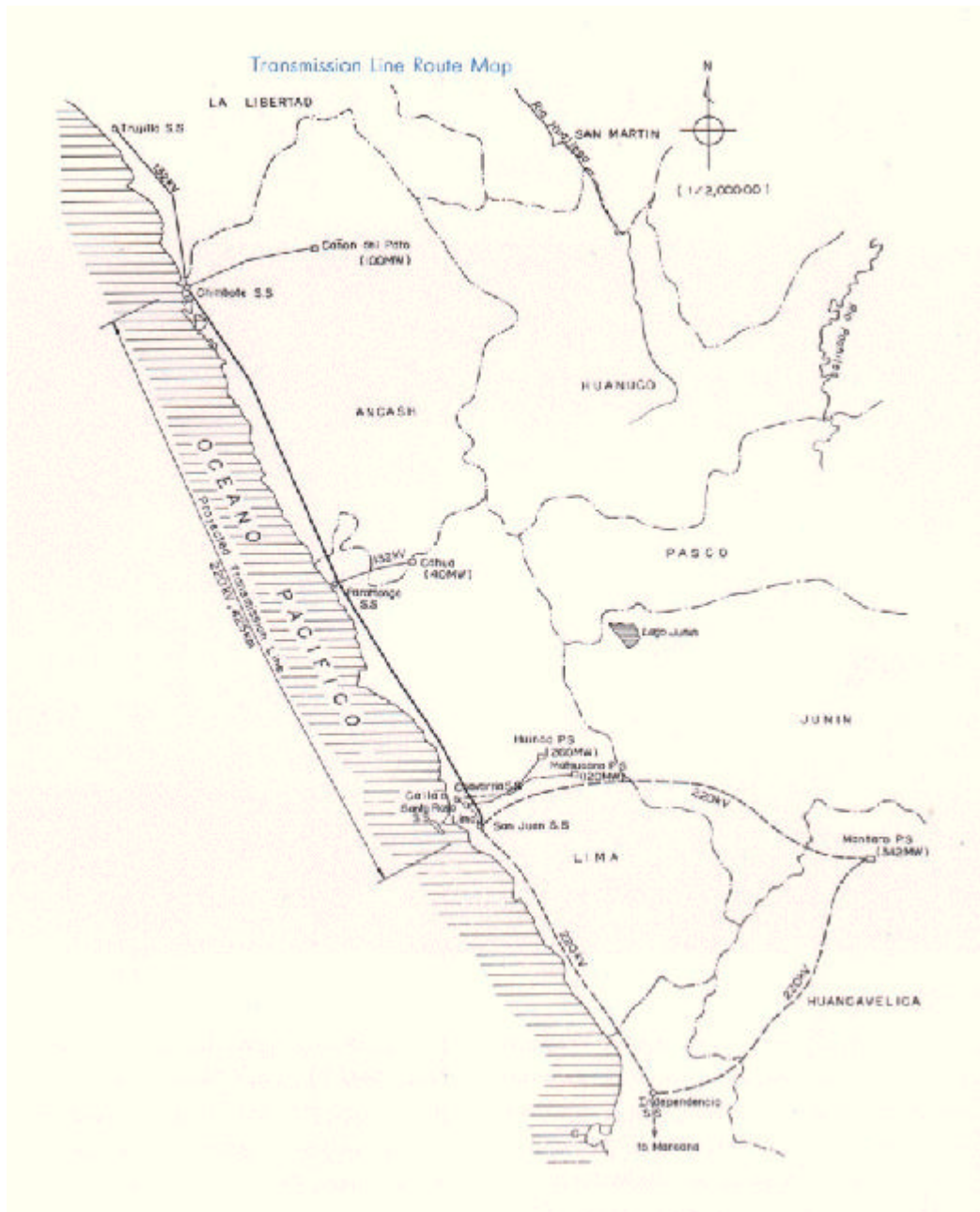
AC220kv Transmission Line-400km

SERVICES:

Feasibility Study (January,1971-July,1971)

Detailed Design(1973-1976)

Construction Supervision (March,1978-February, 1981)



(1) Transmission Line

220 kV Transmission Line	400 km (2-ccts Design, 1 cct String), Chimbote No.1 S.S. - Chavarria S.S.
132 kV Transmission Line	10 km (1 cct) New Paramonga S.S - Existing Paramonga S.S.

(2) Substations

Substations to be newly installed	Chimbote No.1 S.S. (120 MVA) New Paramonga S.S. (65 MVA)
Existing Substations to be extended	Chavarria S.S. Existing Paramonga S.S.

(3) Telecommunication Facilities

Power Line Carrier Equipment, VHF Radio Equipment, etc.
