

Studies for the Momotombo Geothermal Field

NICARAGUA

SECTOR: Energy

NAME OF PROJECT: Studies for the Momotombo Geothermal Field
(ATN/II-4619-NI)

TOTAL COST: \$676,100

FINANCING:

IDB \$676,100 Italian Trust Fund

APPROVAL DATE: August 3, 1994

GENERAL DESCRIPTION: The objective of this nonreimbursable technical cooperation is to enable the statistical records on the Momotombo geothermal electric power plant to be used as a basis for carrying out geoscientific studies (chiefly in volcanology and petrography) and, by making use of the results of the new drillings which the Nicaraguan Energy Board (Instituto Nicaragüense de Energía - INE) is conducting with its own resources, to carry out a new reservoir engineering study.

The technical cooperation comprises: (a) the first phase: a study for evaluating the energy potential of the field and a diagnostic appraisal of the state of repair of the plant equipment; (b) the second phase: study the feasibility of stabilizing electric power generation at the existing plant; and (c) the third phase: study the feasibility of installing an additional unit, to be conducted only

if the findings of the evaluation of potential, on the basis of the new drillings performed by INE, demonstrate that the potential is sufficient both for stabilization purposes and for purposes of the third unit. Otherwise the bidding documents (specifications, designs) will be drafted for the stabilization and rehabilitation project.

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CONSULTANTS: A consortium of Italian consulting firms will be hired for project execution.

GOODS AND EQUIPMENT: Not applicable.

CIVIL WORKS: Not applicable.

EXECUTING AGENCY: Instituto Nicaragüense de Energía

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