JAPAN INTERNATIONAL COOPERATION AGENCY

ARGENTINE REPUBLIC ENTE NACIONAL REGULADOR DE LA ELECTRICIDAD COMISION NACIONAL DE ENERGIA ATOMICA

THE STUDY ON ENVIRONMENTAL CRITERIA FOR INSTALLATION AND EXTENSION OF THERMAL POWER PLANTS IN ARGENTINA

SUPPORT VOLUME TO FINAL REPORT

FEBRUARY 2002

SUURI - KEIKAKU CO., LTD. TOKYO ELECTRIC POWER ENVIRONMENTAL ENGINEERING CO., INC.

Table of Contents

	Note: Detailed tables of contents are attached on the first page of each supporting chapter.
Chapter S1	Introduction····· S1.1
	Scope of Work and other documents for kicking-off the Study, List of Study Teams' member, Schedule, Task flow, List of JICA Equipment
Chapter S2	Socio-economics in Argentina · · · · · S2.1
	Census and projected population, Capacities of oil refineries, Consumption of natural gas
Chapter S3	Electric Power S3.1
	List of all thermal power plants, Technical and economical descriptions of air pollution control measures at thermal power plants
Chapter S4	Environmental Laws and Institutions · · · · · S4.1
	EIA procedures of Provinces of BA, City of BA, and Provinces of Mendoza
Chapter S5	Environmental Air Analysis · · · · · S5.1
	Compiled air quality data monitored in the Study and the stack emissions from power plants and meteorological data presented from other institutions, Analyses and evaluation of these data
Chapter S6	Emission Sources Other than Power Plants · · · · · · S6.1
	Compilation of emission data of stationary sources (other than power plants) and mobile sources
Chapter S7	Air Dispersion Model · · · · · S7.1
	Detailed dispersion simulation study with collected data of emissions, current air qualities and meteorological factors (although far less than expected) in three model areas
Chapter S8	Prediction of Emission Source Growth · · · · · S8.1
	Prediction of emission source activities in 2020 for establishing emission standards for power plants to be installed newly or extendedly
Reference	

List of Abbreviation

BA or B.A. Buenos Aires

CIF Cost, Insurance, and Freight

CNEA Comision Nacional de Energia Atomica

CNG Compressed Natural Gas

 DAm^{3} 1000 m^{3}

Df/R Draft Final Report

E.I.A.(EIA) Environmental Impact Assessment

ENRE Ente Nacional Regulador de la Electricidad

FO Fuel Oil FOB Free on Board F/R Final Report

GDP Gross Domestic Product
GHG Green House Gas
HC Hydrocarbons
Ic/R Inception Report

IPCC Intergovernmental Panel on Climate Change

ISCST3 Name of the US-EPA's model to simulate emission dispersion from industrial source

complex in a short period

It/R Interim Report

JEA Japan Environment Agency

JICA Japan International Cooperation Agency

LdC Lujan de Cuyo

MEM Wholesale Electric Market in Argentina N.C.A. Degree of Environmental Complexity

NG Natural Gas

NGV Natural Gas Vehicle NOx Nitrogen Oxides

Ox Oxidants

PM Particulate Matter (especially in exhaust gases)
PM₁₀ Particulate Matter under 10 micron meter

Pr/R Progress Report

S Leading Mark of Document Number Compiled in the Support Volume

SMN Servicio Meteorologico Nacional

SN San Nicolas

SPM Suspended Particulate Matter SUR Suuri-Keikaku Company

TEE Tokyo Electric Power Environmental Engineering Company

TG Gas Turbine

TSP Total Suspended Particulate

TV Steam Turbine

US-EPA Environmental Protection Agency of the United States

US\$ Currency Unit of the United States US\$ 1 = Peso 1 (until December 2001)

Yen or ¥ Japanese Currency Unit, US\$1=¥130 in this Support Volume

YPF Yacimientos Petroliferos Fiscales, an Oil Company

Leading Mark of Cited Reference