

UNITED NATIONS
ECONOMIC COMMISSION
FOR LATIN AMERICA
AND THE CARIBBEAN - ECLAC



Distr.
LIMITED
LC/G.1443/Add.1
LC/MEX/L.39/Add.1/Rev.1
16 December 1986
ENGLISH
ORIGINAL: SPANISH

THE 1986 SAN SALVADOR EARTHQUAKE: DAMAGE, REPERCUSSIONS
AND ASSISTANCE REQUIRED

Project profiles

86-11-1906

CONTENTS

	<u>Page</u>
Note	v
Sectorial summary of identified projects: Financing and employment.....	vii
 <u>Sector</u>	
1 Emergency.....	1
2 Health.....	11
3 Sewerage.....	27
4 Housing.....	39
5 Transport.....	59
6 Education.....	81
7 Energy.....	91
8 Communications	97
9 Reconstruction or rehabilitation of public buildings	105
10 Agriculture and animal husbandry	141
11 Industry	159
12 Construction of buildings and trade	167
13 National monuments and churches	173



NOTE

The investment project profiles included in this Annex respond to the requirements for the reconstruction process necessary due to damage caused by the earthquake. These are oriented to promote the socioeconomic development of El Salvador. Most of them were envisaged by officials of the ministries and national public institutions. It should be pointed out that, due to the destruction of various public buildings, a great part of the information needed for the adequate formulation of the project was lost. In consequence, the data included in each profile are preliminary.

The reference to possible donors are provisional and do not constitute formal commitments.

SECTORIAL SUMMARY OF IDENTIFIED PROJECTS: FINANCING
AND EMPLOYMENT

	Investments ^{a/}			Financing ^{a/}		Labour employed	
	Total	Breakdown		Local	External	Thousands of man-year	Percentages
		National	Imported				
Total	<u>1 069.5</u>	<u>730.4</u>	<u>339.1</u>	<u>461.7</u>	<u>607.8</u>	<u>227.9</u>	<u>100.0</u>
Percentages	<u>100.0</u>	<u>68.3</u>	<u>31.7</u>	<u>43.2</u>	<u>56.8</u>		
Emergency	102.5	73.0	29.5	24.1	78.4	31.3	13.7
Health	120.6	63.4	57.2	13.9	106.7	24.1	10.6
Sanitation	21.7	11.6	10.1	4.3	17.4	4.7	2.1
Housing	264.9	245.3	19.6	47.6	217.3	84.5	37.1
Transport	8.4	5.0	3.4	1.7	6.7	2.4	1.1
Education	95.5	89.7	5.8	13.5	82.0	25.7	11.3
Energy	6.0	2.0	4.0	1.3	4.7	0.4	0.2
Communications	42.1	8.8	33.3	8.1	34.0	1.9	0.8
Public buildings	39.4	36.6	2.8	7.8	31.6	12.1	5.3
Agricultural	8.1	5.2	2.9	7.4	0.7	1.2	0.5
Industry	45.2	37.1 ^{b/}	8.1	21.0	24.2	4.7	2.0
Buildings and trade	310.0	148.0	162.0	310.0	-	33.3	14.6
Monuments	5.1	4.7	0.4	1.0	4.1	1.6	0.7

Source: Annex and ECLAC estimates.

a/ Millions of dollars.

b/ Includes 25.0 million dollars to provide funding for small commercial or informal sector enterprises, and for the small and medium size industrial enterprises or handicrafts.

SECTOR 1. EMERGENCY

Table 1
SUMMARY OF INVESTMENT AND EMPLOYMENT DUE TO THE EMERGENCY

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>375 372</u>	<u>102 478</u>
1.1	Aid to victims	41 700	25 000
1.2	Removal of rubble	58 300	10 000
1.3	Moving public administration offices	16 700	6 000
1.4	Demolition of collapsed buildings	167 000	50 000
1.5	Emergency programme of employment	83 300	10 000
1.6	Disposal of rubble and environmental improvement	8 372	1 478

PROJECT PROFILE

Sector: Emergency

Subsector:

Title of the project: Aid to victims

Objectives of the project: Partial relief for the damage and hardship experienced by the most vulnerable sectors of the population

Description of activities to be carried out: Provision of medical attention, food and shelter for thousands of people

Results expected from the project: Lessening of some of the consequences of the quake; preservation of life and health; restoration of hope and reorganization of regular activities of the people

Total investment required: US\$ 25,000,000

Breakdown US\$

- Labour 5,000,000
(41 700 man-months)
- National inputs 5,000,000
- Imported inputs 15,000,000

Financing (US\$)

Local: 10,000,000
External: 15,000,000
Possible donor(s):

National body responsible: Ministry of the Interior

Tentative duration: 60 days

Estimated starting date: 11 October 1986

Special comments:

PROJECT PROFILE

Sector: Emergency

Subsector:

Title of the project: Rubble removal and simple demolition

Objectives of the project: To restore urban roads and other urban spaces

Description of activities to be carried out: Rubble clearance, clean-up operations and removal of rubble

Results expected from the project: Assisting in the movement of persons and vehicles; facilitating resettlement; avoiding risks of infection; finally, promoting the normalization of activities

Total investment required: US\$ 10,000,000

Breakdown US\$Financing (US\$)

- Labour 7,000,000 (58,300 man-months)	Local: 2,000,000
- National inputs 1,000,000	External: 8,000,000
- Imported inputs 2,000,000	Possible donor(s):

National body responsible: Ministry of Public Works

Tentative duration: 6 months

Estimated starting date: October 1986

Special comments: It is highly recommended that unemployed labour be hired to carry out these activities, keeping the use of machinery down to a minimum

PROJECT PROFILE

Sector: Emergency

Subsector:

Title of the project: Reinstallation of public administration

Objectives of the project: Moving various public offices

Description of activities to be carried out: Transport of furniture and equipment and installation of basic services

Results expected from the project: Restoration of normal operation of the public administration, banking and services in general

Total investment required: US\$ 6,000,000

Breakdown US\$

- Labour 2,000,000
(16,700 man-months)
- National inputs 2,000,000
- Imported inputs 2,000,000

Financing (US\$)

Local: 1,800,000
External: 4,200,000
Possible donor(s):

National body responsible: Ministry of the Interior

Tentative duration: One month

Estimated starting date: 20 October 1986

Special comments:

PROJECT PROFILE

Sector: Emergency

Subsector:

Title of the project: Demolition of collapsed buildings

Objectives of the project: Demolition of collapsed structures which cannot be restored

Description of activities to be carried out: Demolition, clearance, clean-up and removal

Results expected from the project: Avoidance of risks of further destruction resulting from aftershocks; making some areas available for reconstruction; reducing risk of infection

Total investment required: US\$ 50,000,000

Breakdown US\$

- Labour 20,000,000
(167,000 man-months)
- National inputs 20,000,000
- Imported inputs 10,000,000

Financing (US\$)

- Local: 10,000,000
- External: 40,000,000
- Possible donor(s):

National body responsible: Ministry of Public Works

Tentative duration: One year

Estimated starting date: 1987

Special comments: 1) Because salvageable structures are excluded from this project, it must be preceded by an expert technical assessment, and 2) in the demolition operations as much use as possible should be made of idle labour

PROJECT PROFILE

Sector: Emergency

Subsector:

Title of the project: Emergency Programme of Employment

Objectives of the project: a) To diminish the underutilization of labour; b) provision of labour for rehabilitation and reconstruction work

Description of activities to be carried out: a) Strengthening the administrative structure of municipalities in San Salvador's Metropolitan Region (SSMR); b) establishing criteria for the receipt and payment in cash or in kind; c) selecting labour-intensive projects within the social area, and for rehabilitation and reconstruction tasks which count with funding; for example: schools, hospitals, sanitation, housing, etc., in the poor areas of the SSMR; d) co-ordinating the execution with funding sources for rehabilitation and reconstruction

Results expected from the project: a) drastic reduction of open unemployment rates; b) provision of income to unemployed; c) rational use of rehabilitation and reconstruction funds; d) economic reactivation; e) diminishing poverty; f) substantial improvement of access to services for poor urban population

Total investment required: US\$ 10,000,000

<u>Breakdown</u> US\$	<u>Financing</u> (US\$)
- Labour (83,300 man-months)	Local: -
- National inputs	External: 10,000,000
- Imported inputs	Possible donor(s): AID

National body responsible: Consejo de Alcaldías, San Salvador's Metropolitan Region

Tentative duration: 3 to 5 years (according to estimated period for reconstruction)

Estimated starting date: December 1986

Special comments: Payment in cash should, if possible, be procured. It has been demonstrated this kind of payment increases productivity and frequently creates benefits that exceed the financial disbursement. On the other hand, payments in kind or projects that do not include payment are almost unmanageable in programmes of the size of the proposed one. On any account and on the understanding that assistance funds and donations for reconstruction will be used, it is important to verify the effects of the system or systems of payment chosen on GDP, generated income, public spending and the balance of payments (payment systems may differ for each project)

PROJECT PROFILE

Sector: Emergency

Subsector: -

Title of the project: Disposal of rubble and environmental improvement

Objectives of the project: Removal of rubble, construction materials and garbage deposited after the earthquake on slopes, water ways, canals and gutters of streets and roads near the damaged areas

Description of activities to be carried out: To deposit rubble, materials and garbage in an organized way by sanitary landfills in state-owned grounds near the capital which are not productive areas, in order to avoid contamination due to garbage thrown indiscriminately, and to facilitate the adequate disposal once completed the landfill phase (which will include possible garbage recycling or use of non-bio-degradable material); green areas will be built in those grounds.

Results expected from the project: To stop the indiscriminate disposal of rubble that can block water ways and natural drainages creating contamination and/or water overflows at the beginning of the rainy season (April/May)

Total investment required: US\$ 1.478,800

Breakdown US\$Financing (US\$)

- Labour	928,800	Local:	295,760
(8,372 man-months)		External:	1,183,040
- National inputs	50,000	Possible donor(s):	
- Imported inputs	500,000		

National body responsible: Natural Resources Center and Municipalities of the Metropolitan Region

Tentative duration: One year

Estimated starting date: 1987

Special comments:

SECTOR 2. HEALTH

Table 2

SUMMARY OF INVESTMENT AND EMPLOYMENT IN THE HEALTH SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>288 713</u>	<u>120 666.0</u>
2.1	Building and equipping the new General Hospital	4 000	16 000.0
2.2	Building and equipping new children's hospital (BLOOM)	37 500	15 000.0
2.3	Building and equipping the new Social Security Hospital	60 000	24 000.0
2.4	Building and equipping four health centres	75 000	24 000.0
2.5	Building and equipping five health centres	6 670	2 600.0
2.6	Rebuilding and equipping Polyclinic "Salvadoreña"	30 000	12 000.0
2.7	Rehabilitation of the Maternity Hospital	830	200.0
2.8	Rehabilitation of seven health centres	3 850	1 520.0
2.9	Rehabilitation and construction of the two military hospitals	32 500	13 000.0
2.10	Rehabilitation of nine private clinics	4 170	2 000.0
2.11	Construction of an Emergency Pediatric Hospital	23	200.0
2.12	Reconstruction of Asylum Sara	33 300	10 000.0
2.13	Multi-family kitchens and childcare centre modules	870	146.0

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Building and equipping the new Hospital General

Objectives of the project: Restoration of the infrastructure and equipment destroyed as a consequence of the earthquake

Description of activities to be carried out: To build the physical infrastructure and to acquire and install the necessary equipment

Results expected from the project: To provide 400 beds in a modern hospital

Total investment required: US\$ 16,000,000

Breakdown US\$

- Labour	4,800,000
(4 000 man-months)	
- National inputs	3,200,000
- Imported inputs	8,000,000

Financing (US\$)

Local:	1,600,000
External:	14,400,000
Possible donor(s):	IDB

National body responsible: Ministry of Health

Tentative duration: 5 years

Estimated starting date: 1987

Special comments: International tender for the construction is advised

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Building and equipping new children's hospital (Bloom)

Objectives of the project: Restoration of hospital infrastructure and equipment destroyed in the earthquake

Description of activities to be carried out: Building the physical infrastructure and purchasing and installing the equipment needed

Results expected from the project: Availability of 300 beds in a modern children's hospital

Total investment required: US\$ 15,000,000

Breakdown US\$Financing (US\$)

- Labour	4,500,000	Local:	1,500,000
(37,500 man-months)		External:	13,500,000
- National inputs	3,000,000	Possible donor(s):	IDB
- Imported inputs	7,500,000		

National body responsible: Ministry of Health

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: The work should be executed on the basis of an international public tender

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Building and equipping the new Social Security Hospital

Objectives of the project: Restoration of hospital infrastructure and equipment destroyed in the earthquake

Description of activities to be carried out: Building of the physical infrastructure and purchasing and installing the equipment needed

Results expected from the project: Availability of 300 beds in a modern hospital

Total investment required: US\$ 24,000,000

Breakdown US\$

- Labour	7,200,000
(60,000 man-months)	
- National inputs	4,800,000
- Imported inputs	12,000,000

Financing (US\$)

Local:	2,400,000
External:	21,600,000
Possible donor(s):	IDB

National body responsible: Ministry of Health

Tentative duration: 5 years

Estimated starting date: 1987

Special comments: Work should be executed by international public tender

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Building and equipping four health centres

Objectives of the project: To decentralize hospital care by constructing four secondary level hospitals with a hundred beds each in four different districts, in such a way that each of them covers a wide area

Description of activities to be carried out: Studies on location of the centres, purchase of the land needed, design, construction and equipping

Results expected from the project: Availability of 400 hospital beds and equipment in residential areas

Total investment required: US\$ 24,000,000

Breakdown US\$

- Labour	9,000,000
(75,000 man-months)	
- National inputs	3,000,000
- Imported inputs	12,000,000

Financing (US\$)

Local:	2,182,000
External:	21,818,000
Possible donor(s):	IDB

National body responsible: Ministry of Health

Tentative duration: 3 years

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Building and equipping 5 health centres

Objectives of the project: Decentralization of hospital care by establishing 5 third-level hospitals near to residential areas of low-income groups

Description of activities to be carried out: Studies on location of the centres, purchase of the land needed; building and equipping 5 hospital centres

Results expected from the project: Availability of 200 hospital beds and equipment in marginal sectors for medical treatment of not very serious cases

Total investment required: US\$ 2,600,000

Breakdown US\$

- Labour	1,700,000
(6,670 man-months)	
- National inputs	300,000
- Imported inputs	600,000

Financing (US\$)

Local:	200,000
External:	1,500,000
Possible donor(s):	IDB

National body responsible: Ministry of Health

Tentative duration: One year

Estimated starting date: 1987

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Rebuilding and equipping Polyclinic "Salvadoreña"

Objectives of the project: Rehabilitation of this polyclinic

Description of activities to be carried out: Rehabilitation and reconstruction of physical infrastructure and equipping of this polyclinic

Results expected from the project: To raise the capacity for hospital treatment by 180 beds and promote participation by the private sector in these activities

Total investment required: US\$ 12,000,000

Breakdown US\$

- Labour	3,600,000
(30,000 man-months)	
- National inputs	2,400,000
- Imported inputs	6,000,000

Financing (US\$)

Local:	2,000,000
External:	10,000,000 (loan)
Possible donor(s):	

National body responsible: Private sector

Tentative duration: 5 years

Estimated starting date: 1987

Special comments: The State should promote initiatives such as this one in the private sector in order to increase private participation in the area of health

Special comments:

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Restoration of the Maternity Hospital

Objectives of project: Rehabilitation of hospital infrastructure and equipment destroyed in the earthquake

Description of activities to be carried out: Construction of physical infrastructure and purchase and installation of the equipment needed

Results expected from the project: Availability of a hospital specialized in maternity and birth care

Total investment required: US\$ 200,000

Breakdown US\$

- Labour	100,000
(830 man-months)	
- National inputs	50,000
- Imported inputs	50,000

Financing (US\$)

Local:	100,000
External:	100,000
Possible donor(s):	IDB

National body responsible: Ministry of Health

Tentative duration: 3 months

Estimated starting date: December 1986

Special comments:

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Rehabilitation of seven health centres

Objectives of the project: To restore the hospital infrastructure and equipment destroyed in the earthquake in the areas of San Jacinto, Cuscatancingo, Concepción, Mejicanos, San Miguelito, Soyapango and Montserrat

Description of activities to be carried out: Construction of physical infrastructure and purchase and installation of the equipment needed

Results expected from the project: Restoration of 500 hospital beds

Total investment required: US\$ 1,520,000

Breakdown US\$

- Labour	462,000
(3,850 man-months)	
- National inputs	608,000
- Imported inputs	450,000

Financing (US\$)

Local:	320,000
External:	1,200,000
Possible donor(s):	IDB

National body responsible: Ministry of Health

Tentative duration: 3 years

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Rehabilitation and construction of the two military hospitals

Objectives of the project: To restore the hospital infrastructure and equipment destroyed in the earthquake

Description of activities to be carried out: Construction of the physical infrastructure and purchase and installation of the equipment needed

Results expected from the project: Availability of 1,000 hospital beds

Total investment required: US\$ 13,000,000

Breakdown US\$

- Labour 3,900,000
(32,500 man-months)
- National inputs 2,600,000
- Imported inputs 6,500,000

Financing (US\$)

- Local: 2,000,000
- External: 11,000,000
- Possible donor(s): AID

National body responsible: Ministry of Public Works

Tentative duration: 5 years

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Rehabilitation of nine private clinics

Objectives of the project: Restoration of hospital infrastructure and equipment destroyed in the earthquake

Description of activities to be carried out: Construction of physical infrastructure and purchase and installation of the equipment needed

Results expected from the project: Availability of 260 hospital beds

Total investment required: US\$ 2,000,000

Breakdown US\$

- Labour 500,000
(4,170 man-months)
- National inputs 500,000
- Imported inputs 1,000,000

Financing (US\$)

Local: 500,000
External: 1,500,000 (loan)
Possible donor(s):

National body responsible: Private sector

Tentative duration: One year

Estimated starting date: 1987

Special comments: The State should promote initiatives such as this one in the private sector, so as to increase private participation in the area of health.

PROJECT PROFILE

Sector: Health

Subsector: Hospitals

Title of the project: Construction of an emergency pediatric hospital

Objectives of the project: To restore promptly pediatric services in the vicinity of the destroyed installations of Hospital Benjamin Bloom

Description of activities to be carried out: With the participation of PAHO/WHO as executing agency, to build a light asbesto-cement structure in an area of 2,000 m² with 100 beds, two operating rooms, one laboratory for emergency exams, one portable X-ray room, sterilization and kitchen and pharmacy equipment (these last three recuperated from destroyed facilities)

Results expected from the project: Prompt pediatric attention until the final facilities are restored or built

Total investment required: US\$ 200,000

Breakdown US\$

- Labour 60,000
(23 man-months)
- National inputs 120,000
- Imported inputs 20,000

Financing (US\$)

- Local: -
- External: 200,000
- Possible donor(s): UNDP

National body responsible: Ministry of Health

Tentative duration: Three months

Estimated starting date: December 1986

Special comments: UNDP has approved funding as part of a 1.1 million package from its Special Programme Resources (SPR)

PROJECT PROFILE

Sector: Health

Subsector: Asylum

Title of the project: Reconstruction of Asylum Sara

Objectives of the project: Rehabilitation of equipment and infrastructure

Description of activities to be carried out: To build physical facilities, and to acquire and install necessary furniture and equipment

Results expected from the project: Availability of 500 beds

Total investment required: US\$ 10,000,000

Breakdown US\$

- Labour 4,000,000
(33,300 man-months)
- National inputs 3,000,000
- Imported inputs

Financing (US\$)

Local: 1,000,000
External: 9,000,000
Possible donor(s): AID

National body responsible: Ministry of Health

Tentative duration: 5 years

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Health

Subsector: Nutrition

Title of the project: Multi-family kitchens and child care centre modules

Objectives of the project: To improve nutrition levels of affected families and apply techniques to optimize child development among the affected

Description of activities to be carried out: To create with UNICEF's assistance, 20 multi-family kitchens, for 10 families each, and twenty child care units self-managed by users. To train 400 mothers and family heads in organizing these activities, and in preparing clean, low-cost, nutritive and adequate meals as well as in techniques for early stimulation of children of different age groups

Results expected from the project: Organization of local communities around multi-family units, optimization of healthy and low-cost family nutrition, improving nutrition levels of families, specially of mothers and children, to better development of nursery and pre-school children and to provide free time for mothers to improve children's well-being

Total investment required: US\$ 146,280

Breakdown US\$

- Labour	113,280
(870 man-months)	
- National inputs	27,000
- Imported inputs	6,000

Financing (US\$)

Local:	29,256
External:	117,024
Possible donor(s):	

National body responsible: Ministry of Health

Tentative duration: 3 years

Estimated starting date:

Special comments: UNICEF could undertake these actions as international executing agency given its experience in this field

SECTOR 3. SEWERAGE

Table 3

SUMMARY OF INVESTMENT AND EMPLOYMENT IN THE SANITATION SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>56 080</u>	<u>21 713.1</u>
3.1	Reconstruction of part of the distribution network	18 100	4 435.8
3.2	Repairs to house connections	2 730	728.0
3.3	Purchase and installation of water meters	-	806.0
3.4	Repairs to four drinking water reservoirs	14 800	4 440.0
3.5	Reconstruction of the foul drainage system	8 700	2 176.0
3.6	Reconstruction of house connections	6 750	1 800.0
3.7	Rehabilitation of the rain drainage system	5 000	1 500.00
3.8	Replacing and purchase of machinery, equipment, generators, transformers, pumps and engines	-	5 827.3

PROJECT PROFILE

Sector: Water supply and sanitation

Subsector: Drinking water

Title of the project: Reconstruction of part of the distribution network

Objectives of the project: To increase the effectiveness of the water supply system, affected by damages in various aqueducts

Description of activities to be carried out: Replacing 72 kilometres of galvanized iron tubing by PVC tubes and increasing the diameters of six kilometres of cast-iron tubes

Results expected from the project: Significant reduction in water loss, lower operating costs and ability to fully meet the demand for water

Total investment required: US\$ 4,435,800

Breakdown US\$

- Labour 2,173,542
(18,100 man-months)
- National inputs 1,596,888
- Imported inputs 665,370

Financing (US\$)

Local: 887,160
External: 3,548,640
Possible donor(s): IDB and/or CABI

National body responsible: National Water Supply and Sewerage Authority

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: The work would be executed under direct management

PROJECT PROFILE

Sector: Water supply and sanitation

Subsector: Drinking water

Title of the project: Repairs to house connections

Objectives of the project: To improve the effectiveness of the supply of drinking water to 20,000 dwellings

Description of activities to be carried out: Replacing with PVC pipes some 20,000 galvanized iron house connections in poor condition

Results expected from the project: To reduce water loss in accesses to affected dwellings

Total investment required: US\$ 728,000

Breakdown US\$

- Labour 327,600
(2,730 man-months)
- National inputs 269,400
- Imported inputs 131,000

Financing (US\$)

- Local: 145,000
- External: 583,000
- Possible donor(s): IDB or CABEI

National body responsible: National Water Supply and Sewerage Authority

Tentative duration: 18 months

Estimated starting date: November 1987

Special comments: The work would be executed under direct management

PROJECT PROFILE

Sector: Water supply and sanitation

Subsector: Drinking water

Title of the project: Purchase and installation of water meters

Objectives of the project: Provision of instruments to measure the water consumed in each dwelling

Description of activities to be carried out: Purchase and installation of meters

Results expected from the project: To facilitate billing users in accordance with the amount consumed

Total investment required: US\$ 806,000

Breakdown US\$

- Labour
(man-months)
- National inputs
- Imported inputs 806,000

Financing (US\$)

Local: 160,000
 External: 646,000
 Possible donor(s): IDB and/or CABI

National body responsible: National Water Supply and Sewerage Authority

Tentative duration: One year

Estimated starting date: 1987

Special comments: The priority of this initiative is debatable

PROJECT PROFILE

Sector: Water supply and sanitation

Subsector: Drinking water

Title of the project: Repairs to four drinking water reservoirs

Objectives of the project: To store effectively water to be distributed

Description of activities to be carried out: Structural repairs

Results expected from the project: Ability to store water effectively

Total investment required: US\$ 4,440,000

Breakdown US\$

- Labour 1,776,000
(14,800 man-months)
- National inputs 1,021,200
- Imported inputs 1,642,800

Financing (US\$)

Local: 888,000
External: 3,552,000
Possible donor(s): IDB and/or CABI

National body responsible: National Water Supply and Sewerage Authority

Tentative duration: One year

Estimated starting date: 1987

Special comments: The work would be executed under direct management

PROJECT PROFILE

Sector: Water supply and sanitation

Subsector: Sewerage

Title of the the project: Reconstruction of the foul drainage system

Objectives of the project: To re-establish the service and increase its effectiveness

Description of activities to be carried out: Reconstructing 56 kilometres of collectors, measuring 8 to 48 inches in diameter

Results expected from the project: Ability to fully meet pertinent drainage needs, avoidance of pollution and improvement of the environment

Total investment required: US\$ 2,176,000

Breakdown US\$

- Labour 1,044,480
(8,700 man-months)
- National inputs 739,840
- Imported inputs 391,680

Financing (US\$)

- Local: 436,000
- External: 1,740,000
- Possible donor(s): IDB and/or CABEI

National body responsible: National Water Supply and Sewerage Authority

Tentative duration: 18 months

Estimated starting date: 1987

Special comments: The work would be executed under direct management

PROJECT PROFILE

Sector: Water supply and sanitation

Subsector: Sewerage

Title of the project: Reconstruction of house connections

Objectives of the project: To enable waste waters to flow from dwellings to collectors

Description of activities to be carried out: Reconstruction of 30,000 house connections

Results expected from the project: To extend this indispensable sewerage service to the entire population

Total investment required: US\$ 1,800,000

Breakdown US\$

- Labour 810,000
(6,750 man-months)
- National inputs 666,000
- Imported inputs 324,000

Financing (US\$)

- Local: 360,000
- External: 1,440,000
- Possible donor(s): IDB and/or CABI

National body responsible: National Water Supply and Sewerage Authority

Tentative duration: 18 months

Estimated starting date: November 1987

Special comments: The work would be executed under direct management

PROJECT PROFILE

Sector: Water supply and sanitation

Subsector: Drainage of rain water

Title of the project: Rehabilitation of the rain drainage system

Objectives of the project: Reconstruction of the subsystem and overcoming temporary obstructions

Description of activities to be carried out: Rehabilitation of drainage networks by reconstruction, replacing pipes, cleaning and removing rubble

Results expected from the project: Enabling the rain drains to work and avoiding the risk of partial flooding

Total investment required: US\$ 1,500,000

Breakdown US\$

- Labour 600,000
(5,000 man-months)
- National inputs 600,000
- Imported inputs 300,000

Financing (US\$)

- Local: 300,000
- External: 1,200,000
- Possible donor(s): IDB and/or CABI

National body responsible: National Water Supply and Sewerage Authority

Tentative duration: 6 months

Estimated starting date: November 1986

Special comments: The work would be executed under direct management

PROJECT PROFILE

Sector: Water supply and sanitation

Subsector:

Title of the project: Replacing and purchase of machinery, equipment, generators, transformers, pumps and engines

Objectives of the project: To provide the National Water Supply and Sewerage Authority with the equipment needed to manage projects 3.1 to 3.7 directly and to ensure that the subsystems function normally prior to the subsequent enlargement

Description of activities to be carried out: To purchase equipment and machinery

Results expected from the project: Normal operation of drinking water and water disposal subsystems

Total investment required: US\$ 5,827,250

Breakdown US\$

- Labour
(man-months)
- National inputs
- Imported inputs 5,827,250

Financing (US\$)

Local: 1,165,250
External: 4,662,000
Possible donor(s):

National body responsible: National Water Supply and Sewerage Authority

Tentative duration:

Estimated starting date:

Special comments:

SECTOR 4. HOUSING

Table 4

SUMMARY OF INVESTMENT AND EMPLOYMENT IN THE HOUSING SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>1 014 042</u>	<u>264 890.3</u>
4.1	Purchase of lots with sanitation facilities	37 500	10 000.0
4.2	Self-help development of 5,000 lots with sanitation facilities	56 250	15 000.0
4.3	Self-help production of materials and construction of 7,500 houses	112 500	30 000.0
4.4	Repairs to 20,860 houses	312 900	83 440.0
4.5	Building of 4,000 houses	90 000	24 000.0
4.6	Building of high-density and low height housing development for 1,200 families	31 500	8 400.0
4.7	Building integral developments consisting of 2,000 single-family houses	60 000	16 000.0
4.8	Building of multi-family settlements totalling 1,400 houses	42 000	11 200.0
4.9	Building 3,900 houses which may also serve as workshops for small scale home industries	146 250	39 000.0
4.10	Self-help production of building materials and modular construction components	4 170	2 000.0
4.11	Urban settlements for rural origin affected population	7 900	2 290.0
4.12	Relocation of families from the Santa Teresa ex-hacienda	64 200	12 840.0
4.13	Relocation of affected families		500.0
4.14	Donations and credit for building materials and implements	30 000	6 500.0
4.15	Rehabilitation of three slums	16 700	3 500.0
4.16	Communal participation in the building of temporary housing and primary health care	2 172	220.3

PROJECT PROFILE

Sector: Housing

Subsector: Urban development schemes

Title of the project: Purchase of lots with sanitation facilities

Objectives of the project: To provide 5,000 lots with sanitation facilities to low-income groups

Description of activities to be carried out: Purchase of appropriate land (within or outside the area affected); parcelling off; provision of water; moving families; construction of urban facilities while at the same time building provisional dwellings (at the rear of the lot assigned to each family)

Results expected from the project: Absorption of the housing deficit (which existed prior to the earthquake) in those residential areas most severely affected by the earthquake

Total investment required: US\$ 10,000,000

Breakdown US\$

- Labour	4,500,000
(37,500 man-months)	
- National inputs	4,800,000
- Imported inputs	700,000

Financing (US\$)

Local:	3,000,000
External:	7,000,000
Possible donor(s):	AID

National body responsible:

Tentative duration: 4 years

Estimated starting date: December 1986

Special comments: Emergency solution to problems resulting from eviction of persons from land intended for other uses. It would be better to use for this project dwellings earmarked for total donation. The estimated cost of one lot with sanitation facilities is US\$ 2,000

PROJECT PROFILE

Sector: Housing

Subsector: Urban development schemes

Title of the project: Self-help development of 5,000 lots with sanitation facilities

Objectives of the project: Making part of the low-class sector the recipient of credit and having it participate in the solution of its problem by contributing its own labour

Description of activities to be carried out: Organization, regulation and training of work teams with a view to produce semi-skilled self-help builders

Results expected from the project: To obtain 5,000 improved dwellings and trained labour in the construction of sanitation facilities

Total investment required: US\$ 15,000,000

Breakdown US\$

- Labour	6,750,000
(56,250 man-months)	
- National inputs	7,200,000
- Imported inputs	1,050,000

Financing (US\$)

Local:	4,000,000
External:	11,000,000
Possible donor(s):	AID

National body responsible:

Tentative duration: 5 years

Estimated starting date: December 1986

Special comments: 1) the loans are to be made in kind and will be controlled by teams to be considered as production units; 2) project to begin as an emergency solution consisting in the moving of tents or temporary dwellings to the rear of the lots; 3) the average cost of developing a lot is US\$ 3,000.

PROJECT PROFILE

Sector: Housing

Subsector: House-building and materials

Title of the project: Self-help production of materials and construction of 7,500 houses

Objectives of the project: To supply houses for middle and working class strata, adding for this purpose a contribution in labour as a production factor, to be used at no financial cost

Description of activities to be carried out: Entrepreneurial organization of homogeneous groups capable of administrating the credits obtained to purchase land, building materials, raw materials and some tools and equipment

Results expected from the project: Making self-help production of materials and components as well as self-help house-building form part of a programme for social and economic development; having a supply of 7,500 houses, and training of semi-skilled labour

Total investment required: US\$ 30,000,000

Breakdown US\$

- Labour	13,500,000
(112,500 man-months)	
- National inputs	14,400,000
- Imported inputs	2,100,000

Financing (US\$)

Local:	3,000,000
External:	27,000,000
Possible donor(s):	AID

National body responsible:

Tentative duration: 5 years

Estimated starting date: January 1987

Special comments: The average value is estimated at US\$ 4,000, since the cost of labour, which is the participants contribution has not been included

PROJECT PROFILE

Sector: Housing

Subsector: Construction

Title of the project: Repairs to 20,860 houses

Objectives of the project: To repair restorable houses by means of loans assigned to their present owners

Description of activities to be carried out: Obtaining the necessary financial resources; setting up a system to assign soft mortgage-loans; making the necessary loan-related legal arrangements; creating adequate institutional mechanisms

Results expected from the project: Provide 20,860 properly restored houses

Total investment required: US\$ 83,440,000

Breakdown US\$

- Labour	37,548,000
(312,900 man-months)	
- National inputs	40,051,200
- Imported inputs	5,840,800

Financing (US\$)

Local:	10,000,000
External:	73,440,000
Possible donor(s):	AID

National body responsible:

Tentative duration: 5 years

Estimated starting date: 1987

Special comments: Estimated average cost of US\$ 4,000 per house

PROJECT PROFILE

Sector: Housing

Subsector: Construction

Title of the project: Building of 4,000 houses

Objectives of the project: Execution of housing developments

Description of activities to be carried out: Obtaining the necessary financial resources; setting up a system to assign soft mortgage-loans; making the necessary loan-related legal arrangements; creating adequate institutional mechanisms

Results expected from the project: Available inventory of 4,000 houses duly rehabilitated

Total investment required: US\$ 24,000,000

Breakdown US\$

- Labour	10,800,000
(90,000 man-months)	
- National inputs	11,520,000
- Imported inputs	1,680,000

Financing (US\$)

Local:	4,000,000
External:	20,000,000
Possible donor(s):	AID

National body responsible:

Tentative duration: 5 years

Estimated starting date: 1987

Special comments: The estimated average cost is US\$ 6,000 per house

PROJECT PROFILE

Sector: Housing

Subsector: Construction

Title of the project: Building of high-density and low-height housing development for 1,200 families

Objectives of the project: To provide the lower-middle class stratum with a housing solution compatible with its characteristic degree of individuality

Description of activities to be carried out: Acquiring land in zones susceptible of densification; preparation of projects for progressive-growth housing developments by means of adding extra stages, and execution of works

Results expected from the project: Optional utilization of land close to the centre of San Salvador, already having urban infrastructure and utilities

Total investment required: US\$ 8,400,000Breakdown US\$

- Labour	3,780,000
(31,500 man-months)	
- National inputs	4,032,000
- Imported inputs	588,000

Financing (US\$)

Local:	1,400,000
External:	7,000,000 (loan)
Possible donor(s):	AID

National body responsible:

Tentative duration:

Estimated starting date:

Special comments: The lots have the maximum dimensions for progressive vertical growth, preserving the characteristics of single-family house. In this way, it is possible to reach similar densities to those of 4-story multi-family housing solutions, with the added advantage of preventing social conflicts and having one single owner of the land. The estimated cost is US\$ 7,000 per house

PROJECT PROFILE

Sector: Housing

Subsector: Building

Title of the project: Building of integral developments consisting of 2,000 single-family houses

Objectives of the project: Replacement of middle-class houses through urban renewal projects

Description of activities to be carried out: Purchasing land, project development; house-building

Results expected from the project: Availability of 2,000 houses; reducing the housing deficit; providing incentives for construction and related activities and generating employment

Total investment required: US\$ 16,000,000

Breakdown US\$

- Labour	7,200,000
(60,000 man-months)	
- National inputs	7,680,000
- Imported inputs	

Financing (US\$)

Local:	4,000,000
External:	12,000,000 (loan)
Possible donor(s):	AID

National body responsible:

Tentative duration: 5 years

Estimated starting date: 1987

Special comments: The estimated average cost is US\$ 8,000

PROJECT PROFILE

Sector: Housing

Subsector: Construction

Title of the project: Building of multi-family housing developments to provide 1,400 houses

Objectives of the project: Replacement of middle-class houses through urban renewal projects

Description of activities to be carried out: Purchasing land; project development; house-building

Results expected from the project: Availability of 1,400 houses; reducing the housing deficit; providing incentives to building and related activities and generating employment

Total investment required: US\$ 11,200,000

Breakdown US\$

- Labour	5,040,000
(42,000 man-months)	
- National inputs	5,376,000
- Imported inputs	784,000

Financing (US\$)

Local:	1,200,000
External:	10,000 (loan)
Possible donor(s):	AID

National body responsible:

Tentative duration: 5 years

Estimated starting date: 1987

Special comments: The estimated cost is US\$ 8,000 per house

PROJECT PROFILE

Sector: Housing

Subsector: Construction and furnishing of workshops

Title of the project: Building of 3,900 houses to be also used as handicrafts workshops

Objectives of the project: To continue to reduce the housing deficit; to provide incentives to construction; to promote the crafts micro-industry; to generate productive employment and to increase the income and productivity of people

Description of activities to be carried out: Developing housing projects; studying the feasibility of micro-industries; house-building; furnishing workshops; designing and setting up the appropriate financial and credit procedures

Results expected from the project: Available supply of 3,900 workshop-houses; creating a large number (at the very least 10,000) of productive and stable jobs; increasing productivity and income of people concerned

Total investment required: US\$ 39,000,000

Breakdown US\$

- Labour	17,550,000
(146,250 man-months)	
- National inputs	18,720,000
- Imported inputs	2,730,000

Financing (US\$)

Local:	9,000,000
External:	30,000,000
Possible donor(s):	AID

National body responsible:

Tentative duration: 5 years

Estimated starting date: 1987

Special comments: This initiative could be expanded gradually on the basis of results obtained

PROJECT PROFILE

Sector: Housing

Subsector: Production of building materials

Title of the project: Self-help production of materials and modular construction components

Objectives of the project: Productive utilization of idle labour in the production of building materials

Description of activities to be carried out: Production of bricks and roof-tiles (using procedures already known in El Salvador) through the use of appropriate technologies and local raw materials (cement, sand, additives, pumice stone, etc.)

Results expected from the project: To start stock-piling low-cost primary building materials for walls and roofs and to sponsor the creation of small micro-enterprises

Total investment required: US\$ 2,000,000

Breakdown US\$

- Labour
(4,170 man-months)
- National inputs 500,000
- Imported inputs 1,500,000

Financing (US\$)

Local: 1,000,000
External: 1,000,000
Possible donor(s): AID

National body responsible:

Tentative duration: Indefinite

Estimated starting date: November 1986

Special comments: The organized groups will initially produce materials for the State; later, for themselves or to be bartered for other materials necessary for building their own houses and, finally, as free-supply products

PROJECT PROFILE

Sector: Housing

Subsector: Resettlements

Title of the project: Urban Settlements for rural origin affected population

Objectives of the project: To resettle a significant number of desplazados to areas with agriculture or cattle breeding possibilities near the San Salvador Metropolitan Region (SSMR)

Description of activities to be carried out: Upgrading available areas for agricultural use in the San Salvador Metropolitan Region (SSMR); conducting edaphological studies in those areas; studying supply and demand for agricultural products in the SSMR; developing housing and physical structure projects

Results expected from the project: Reduction of land use of natural disaster areas in the San Salvador Metropolitan Region; spatial redistribution of affected population in areas where employment could be found; improve supply of agricultural products in the SSMR; reduction of unemployment and underemployment in the SSMR

Total investment required: US\$ 2,290,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	1,291,667	Local:	290,000
(7,900 man-months)		External:	2,000,000
- National inputs	768,456	Possible donor(s):	
- Imported inputs	230,537		

National body responsible: Ministries of Public Works and Agriculture

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: The purpose is to relocate people displaced by war (it has been estimated in 500,000 the number of immigrants to the SSMR from rural areas in the 1980-1986 period)

PROJECT PROFILE

Sector: Housing

Subsector: Resettlements

Title of the project: Relocation of families from the Santa Teresa ex-hacienda

Objectives of the project: To establish 3,205 lots of 50 sq. metres each in an area of 51 has. Lots will have basic services (drinking water, sewerage, rain water drainage and electricity). Common areas will include schooling, health centres, common meeting hall, care centres, market and green areas

Description of activities to be carried out: To undertake urbanization and topographic studies, building and self-building of medium-type houses

Results expected from the project: To resettle population affected by the earthquake that formerly lived in mesones and slums

Total investment required: US\$ 12,840,000

Breakdown US\$

- Labour	7,700,000
(64,200 man-months)	
- National inputs	4,370,000
- Imported inputs	770,000

Financing (US\$)

Local:	4,120,000
External:	8,720,000
Possible donor(s):	Italy

National body responsible: Fundación Salvadoreña de Desarrollo y Vivienda Mínima (Salvadorean Development & Minimal Housing Foundation)

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: This type of solution is deemed as expandable since its cost is low, uses intensive labour and is gratifying for the beneficiaries

PROJECT PROFILE

Sector: Housing

Subsector: Resettlement

Title of the project: Relocation of affected families

Objectives of the project: To contribute to the resettlement of families affected by the earthquake

Description of activities to be carried out: To manage the external funds and assist in the execution of family relocation projects

Results expected from the project: Relocation of affected families

Total investment required: US\$ 500,000Breakdown US\$

- Labour -
 (___ man-months)
 - National inputs -
 - Imported inputs -

Financing (US\$)

Local: -
 External: 500,000
 Possible donor(s): UNDP

National body responsible:

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: Funding and project approved by UNDP as part of total funds of 1.1 million from the Special Programme Resources (SPR) and the Country Indicative Programme (CIP)

PROJECT PROFILE

Sector: Housing

Subsector: Building materials

Title of the project: Donations and credit for building materials and implements

Objectives of the project: To assist 7,600 affected families to reconstruct damaged houses, avoid price increases of those materials; channel self-help efforts to solve the housing problem

Description of activities to be carried out: To estimate damages of individual dwellings; analyse legal aspects pertaining to property rights of affected houses; classify help, train in self-construction; building of houses

Results expected from the project: Replacement of 7,600 houses, train labour force in construction activities and provide capital for skilled workers

Total investment required: US\$ 6,500,000

Breakdown US\$

- Labour	3,575,000
(30,000 man-months)	
- National inputs	2,600,000
- Imported inputs	325,000

Financing (US\$)

Local:	1,500,000
External:	5,000,000
Possible donor(s):	IDB

National body responsible: Fundación Salvadoreña de Desarrollo y Vivienda Mínima

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: It seems convenient to expand this type of solution since it has a low cost, uses intensive labour and is gratifying for the beneficiaries

PROJECT PROFILE

Sector: Housing

Subsector: Construction

Title of the project: Rehabilitation of three slums

Objectives of the project: To improve the precarious living conditions of three slums through the rehabilitation of physical infrastructure and adequation of their habitat

Description of activities to be carried out: Self-construction and training in self-construction, design and supervision; purchase of equipment and tools; social promotion; tenants rights legalization; publicizing the experience

Results expected from the project: Provide 500 dwellings with acceptable comfort and living conditions

Total investment required: US\$ 3,500,000

Breakdown US\$

- Labour	2,000,000
(16,700 man-months)	
- National inputs	1,325,000
- Imported inputs	175,000

Financing (US\$)

Local:	1,000,000
External:	2,500,000
Possible donor(s):	European agencies and countries

National body responsible:

Tentative duration: 2 years

Estimated starting date: 1987

Special comments: It seems convenient to expand this type of solution since it has a low cost, uses intensive labour and is gratyfying for the beneficiaries

PROJECT PROFILE

Sector: Housing

Subsector: Construction

Title of the project: Communal participation in the building of temporary housing and primary health care

Objectives of the project: To provide primary health care and temporary shelter to 6,000 families in the areas of La Vega, Ciudad Delgado and Mejicanos

Description of activities to be carried out: Installation, with the assistance of UNICEF, of 10 tanks of 11,500 litres of water for neighbourhoods lacking drinking water; assure the availability of water with trucks; installation of 500 latrines; provide systematic garbage disposal mechanisms; train 180 promoters in primary health care so that each provides attention to 30 families with children of less than 5 years; distribution of a basic-goods basket to 500 families during reconstruction period

Results expected from the project: To attain a minimum of environmental sanitation for 6,000 families; to reduce by one third preventable illnesses in 7,200 children; diminish pathological risk during pregnancies and birth (1,500); provide minimum shelter for 500 families for one year

Total investment required: US\$ 220,300Breakdown US\$

- Labour	51,200
(2,172 man-months)	
- National inputs	149,100
- Imported inputs	20,000

Financing (US\$)

Local:	100,000
External:	120,300
Possible donor(s):	

National body responsible: Ministry of Health

Tentative duration: 1 year

Estimated starting date: December 1986

Special comments: UNICEF could execute this project as responsible international agency

SECTOR 5. TRANSPORT

Table 5
SUMMARY OF INVESTMENTS AND EMPLOYMENT IN THE TRANSPORT SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>29 196</u>	<u>8 433.5</u>
5.1	Restoration of the San Salvador-Canton Lourdes road	1 350	404.8
5.2	Restoration of the San Salvador-Comalapa motorway	2 737	821.1
5.3	Restoration of the San Salvador-Planes de Renderos-Panchimalco road	3 170	951.3
5.4	Restoration of the San Salvador-Olocuilta-Santo Tomas road	1 257	377.1
5.5	Restoration of the Boulevard del Ejército Nacional San Miguel road	667	200.3
5.6	Restoration of the San Salvador-Northern Junction road	2 885	865.5
5.7	Restoration of the Héroes Boulevard	403	120.8
5.8	Restoration of the 25th North Avenue of San Salvador	835	250.6
5.9	Restoration of San Salvador 3rd North Avenue	391	117.3
5.10	Restoration of San Antonio Abad Street (75 Ave. North)	81	24.4
5.11	Restoration of 1st Diagonal Universitaria	67	20.2
5.12	Restoration of Lara Street	11	3.4
5.13	Restoration of 5 de Noviembre Street	155	46.5
5.14	Restoration of San Antonio Abad Boulevard	562	168.6
5.15	Restoration of Tutunichapa Boulevard	26	7.8
5.16	Restoration of Rubén Darío Street	223	67.1
5.17	Restoration of San Salvador 5th North Avenue	646	193.7
5.18	Restoration of bridges and vaults in several roads in San Salvador	4 730	1 417.6
5.19	Works management (Projects 5.1-5.18) general expenses, contingencies and equipment	9 000	2 375.4

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the San Salvador-Cantón Lourdes road.

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Paving 6 kilometres, removal of damaged structures and art-work construction.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of traffic and people.

Total investment required: US\$ 404,843

Breakdown US\$

- Labour 161,937
(1,350 man-months)
- National inputs
- Imported inputs

Financing (US\$)

Local:	80,843
External:	324,000
Possible donor(s):	IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 2 years

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the San Salvador-Comalapa motorway.

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Paving of 13 kilometres of road, removal of damaged structures and rubble, and art-work construction.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of traffic and people.

Total investment required: US\$ 821,148

Breakdown US\$

- Labour 328,458
(2,737 man-months)
- National inputs 164,230
- Imported inputs 328,460

Financing (US\$)

Local: 164,148
External: 657,000
Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the San Salvador-Planes de Renderos-Panchimalco road.

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Paving of 20 kilometres of road, removal of damaged structures and rubble, and art-work construction.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of traffic and people.

Total investment required: US\$ 951,320

Breakdown US\$

- Labour 380,530
(3,170 man-months)
- National inputs 190,000
- Imported inputs 380,530

Financing (US\$)

- Local: 190,320
- External: 761,000
- Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the San Salvador-Olocuilta-Santo Tomás Road.

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Paving of 5 kilometres of road, removal of damaged structures and rubble, and art-work construction.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of traffic and people.

Total investment required: US\$ 377,100

Breakdown US\$

- Labour 150,842
(1,257 man-months)
- National inputs 75,420
- Imported inputs 150,838

Financing (US\$)

- Local: 75,600
- External: 301,500
- Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 2 years

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the boulevard del Ejército Nacional-San Miguel Road.

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Paving of 500 metres of road and construction of bridges and vaults.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 200,300

Breakdown US\$

- Labour 80,120
(667 man-months)
- National inputs 50,075
- Imported inputs 70,104

Financing (US\$)

- Local: 40,240
- External: 160,060
- Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 20 months

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the San Salvador-Northern Junction road.

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Paving of 5 kilometres of road and construction of several bridges and vaults.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 865,500

Breakdown US\$

- Labour 346,200
(2,885 man-months)
- National inputs 216,375
- Imported inputs 497,925

Financing (US\$)

- Local: 173,500
- External: 692,000
- Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the Heroes Boulevard.

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Demolition of structures, excavations, levelling of ground; sundry repair and paving of 200 metres of road; construction of bridges and vaults.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 120,839

Breakdown US\$

- Labour 48,335
(403 man-months)
- National inputs 27,793
- Imported inputs 44,711

Financing (US\$)

- Local: 24,839
- External: 96,000
- Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 9 months

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the 25th North Avenue

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Demolition of structures and subsequent removal, excavating/levelling, sundry repairs, paving of 50 metres of road. Building of bridges and vaults.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 250,550

Breakdown US\$

- Labour 100,220
(835 man-months)
- National inputs 52,620
- Imported inputs 97,710

Financing (US\$)

- Local: 50,550
- External: 200,000
- Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: One year

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of 3rd North Avenue in San Salvador

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Debris removal, excavations, levelling, sundry repairs and paving of 200 metres, construction of bridges and vaults.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 117,274

Breakdown US\$

- Labour 46,910
(391 man-months)
- National inputs 25,800
- Imported inputs 44,564

Financing (US\$)

- Local: 23,274
- External: 94,000
- Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 9 months

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of San Antonio Abad Street (75th North Avenue)

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Debris removal, ground levelling and compacting, paving of 10 metres of road and vault construction.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 24,433

<u>Breakdown US\$</u>	<u>Financing (US\$)</u>
- Labour 9.773 (81 man-months)	Local: 4,433
- National inputs 4,900	External: 20,000
- Imported inputs 9,760	Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 3 months

Estimated starting date: December 1986

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the 1st Diagonal Universitaria

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Debris removal, excavations and levelling, repairing of 24 metres of road and vault construction.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 20,150

Breakdown US\$

- Labour 8,060
(67 man-months)
- National inputs 4,635
- Imported inputs 7,455

Financing (US\$)

Local: 4,150
External: 16,000
Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 3 months

Estimated starting date: November 1986

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of Lara Street

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Debris removal, excavations and levelling of land, sundry repairs and paving of 200 metres.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 3,380

Breakdown US\$

- Labour 1,350
(11 man-months)
- National inputs 850
- Imported inputs 1 180

Financing (US\$)

Local: 3,380
External:
Possible donor(s):

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: One month

Estimated starting date: November 1986

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of 5 de Noviembre Street

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Rubble removal, repairing of 225 metres and building of one bridge.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 46,470

Breakdown US\$

- Labour 18,590
(155 man-months)
- National inputs 9,300
- Imported inputs 18,580

Financing (US\$)

- Local: 9,470
- External: 37,000
- Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 6 months

Estimated starting date: December, 1986

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of the San Antonio Abad Boulevard

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Rubble removal, repaving of 400 metres and construction of bridges and vaults.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 168,620

Breakdown US\$

- Labour 67,448
(562 man-months)
- National inputs 33,724
- Imported inputs 67,449

Financing (US\$)

- Local: 33,620
- External: 135,000
- Possible donor(s): IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: One year

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of Tutumichapa Boulevard

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Rubble removal, excavations and fillings, sundry repairs and repaving of 250 metres.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 7,833

Breakdown US\$

- Labour 3,133
(26 man-months)
- National inputs 1,880
- Imported inputs 2,820

Financing (US\$)

Local: 7,833
External:
Possible donor(s):

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: One month

Estimated starting date: November, 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of Ruben Dario Street

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Sundry repairs, repaving of 200 metres and vault construction.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 67,075

Breakdown US\$Financing (US\$)

- Labour 26,830 (223 man-months)		Local:	13,075
- National inputs 16,100		External:	54,000
- Imported inputs 24,145		Possible donor(s):	IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 8 months

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of San Salvador 5th North Avenue

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Rubble removal, excavations and fillings, paving of 500 metres and construction of bridges and vaults.

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 193,727

Breakdown US\$

- Labour	77,490
	(646 man-months)
- National inputs	44,557
- Imported inputs	71,680

Financing (US\$)

Local:	38,727
External:	155,000
Possible donor(s):	IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: One year

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Restoration of bridges and vaults in several roads in San Salvador

Objectives of the project: To repair the indispensable road infrastructure.

Description of activities to be carried out: Construction of several bridges and vaults located in different roads and avenues (not included in previous projects).

Results expected from the project: Availability of unobstructed paved roads to permit the normal flow of vehicles and people.

Total investment required: US\$ 1,417,600

Breakdown US\$

- Labour	567,040
(4,730 man-months)	
- National inputs	340,223
- Imported inputs	510,337

Financing (US\$)

Local:	282,667
External:	1,134,933
Possible donor(s):	IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: The works will be carried out through direct management.

PROJECT PROFILE

Sector: Transport

Subsector: Roads

Title of the project: Works administration (Projects 5.1 to 5.18), general expenses, contingencies and equipment

Objectives of the project: To provide the General Roads Office with the necessary means for the self-management of the works of the proposed restoration plan.

Description of activities to be carried out: Management and administration of civil works.

Results expected from the project: Restoration of roads, bridges and vaults described in the foregoing projects.

Total investment required: US\$ 2,375,400

Breakdown US\$

- Labour	593,840
(9,000 man-months)	
- National inputs	890,760
- Imported inputs	890,800

Financing (US\$)

Local:	475,400
External:	1,900,000
Possible donor(s):	IBRD

National body responsible: Roads General Office (Dirección General de Caminos)

Tentative duration: 3 years

Estimated starting date: 1987

Special comments:

SECTOR 6. EDUCATION

Table 6

SUMMARY OF INVESTMENTS AND EMPLOYMENT IN THE EDUCATION SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>310 125</u>	<u>95 490.3</u>
6.1	Reconstruction of part of the University of El Salvador	52 163	26 110.1
6.2	Reconstruction of 150 pre-fabricated modular educational units	120 487	32 130.0
6.3	Emergency plan to reinitiate classes in February, 1987 <u>a/</u>	32 625	8 700.0
6.4	Reconstruction and rehabilitation of 1,145 "equivalent-classrooms" in the medium term	63 750	17 000.0
6.5	Reconstruction and/or restoration of 48 private education centres	67 770	18 185.5
6.6	Restoration of sports facilities	5 955	2 064.7

a/ Funding for this project is included in project 6.2.

PROJECT PROFILE

Sector: Education

Subsector: State-owned educational centres

Title of the project: Reconstruction of part of the University of El Salvador

Objectives of the project: To complete restoration of buildings and equipment of this university

Description of activities to be carried out: Demolition and reconstruction of 54% of the buildings; repairing sundry damages in the remaining 46%, of which an average 40% was affected; and purchasing the necessary equipment

Results expected from the project: To have all the necessary installations for the normal development of university activities

Total investment required: US\$ 26,110,085

Breakdown US\$

- Labour	6,259,538
(52,163 man-months)	
- National inputs	18,876,841
- Imported inputs	973,706

Financing (US\$)

Local:	
External:	26,110,085
Possible donor(s):	European Economic Community

National body responsible: University of El Salvador

Tentative duration: 5 years

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Education

Subsector: State-owned educational centres

Title of the project: Reconstruction of 150 pre-fabricated modular educational units.

Objectives of the project: To speed up the replacement of educational units, reducing costs and increasing protection against earthquakes

Description of activities to be carried out: Reconstruction in the short term of the school buildings that suffered damages

Results expected from the project: Replacement of at least 70% of the classrooms destroyed by the earthquake for the normal development of activities and the safety of students and teachers

Total investment required: US\$ 32,130,000

Breakdown US\$

- Labour	14,458,500
(120,487 man-months)	
- National inputs	15,422,400
- Imported inputs	2,249,100

Financing (US\$)

Local:	6,426,000
External:	25,704,000
Possible donor(s):	

National body responsible: Ministry of Public Works and Ministry of Education

Tentative duration: 5 months

Estimated starting date: 1987

Special comments: Availability of these units is intended for March 1987

PROJECT PROFILE

Sector: Education

Subsector: State-owned educational centre

Title of the project: Emergency plan to reinstitute classes in February 1987

Objectives of the project: To provide temporary facilities (1,200 classrooms) to initiate the school year in a normal manner

Description of activities to be carried out: Demolition and removal of debris and building of 1,200 temporary classrooms and repair of buildings

Results expected from the project: To provide adequate and safe infrastructure for the normal functioning of activities

Total investment required: US\$ 8,700,000

Breakdown US\$

- Labour 3,915,000
(32,625 man-months)
- National inputs 4,785,000
- Imported inputs

Financing (US\$)

Local:
External: 8,700,000
Possible donor(s):

National body responsible: Ministry of Education

Tentative duration: 3 to 4 months

Estimated starting date: November, 1986

Special comments: This project is included in project 6.2 "Reconstruction of 150 pre-fabricated modular educational units"

PROJECT PROFILE

Sector: Education

Subsector: State-owned educational centres

Title of the project: Reconstruction and rehabilitation of 1,145 "equivalent-classrooms" in the medium-term

Objectives of the project: To provide adequate and safe facilities for the normal conduction of educational activities (including sanitary services)

Description of activities to be carried out: Micro-planning studies, detailed inspections, determination of specific educational needs, architectural programmes, building of 1,145 classrooms

Results expected from the project: To provide adequate and safe installations to enable the normal functioning of educational activities

Total investment required: US\$ 17,000,000

Breakdown US\$

- Labour	7,650,000
(63,750 man-months)	
- National inputs	8,160,000
- Imported inputs	1,190,000

Financing (US\$)

Local:	3,000,000
External:	14,000,000
Possible donor(s):	

National body responsible: Ministry of Education

Tentative duration: 2 years

Estimated starting date: December 1986

Special comments:

PROJECT PROFILE

Sector: Education

Subsector: Private educational centres

Title of the project: Reconstruction and/or restoration of 48 private educational centres.

Objectives of the project: To reconstruct and/or repair the private educational infrastructure

Description of activities to be carried out: Demolition, construction, reconstruction, replacement of equipment and furniture damaged by the earthquake

Results expected from the project: To have the necessary physical infrastructure and installations.

Total investment required: US\$ 18,185,500

Breakdown US\$

- Labour	8,132,400
(67,770 man-months)	
- National inputs	8,780,115
- Imported inputs	1,272,985

Financing (US\$)

Local:	3,637,100
External:	14,548,400
Possible donor(s):	

National body responsible: Catholic Church

Tentative duration: 5 years

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Education

Subsector: Sports facilities

Title of the project: Recovery and restoration of 7 sports centres

Objectives of the project: To repair gymnasiums and stadiums

Description of activities to be carried out: Restoration of buildings and furniture

Results expected from the project: To have the necessary infrastructure for the development of physical education

Total investment required: US\$ 2,064,700

Breakdown US\$

- Labour	714,600
(5,955 man-months)	
- National inputs	714,600
- Imported inputs	144,500

Financing (US\$)

Local:	412,940
External:	1,651,760
Possible donor(s):	

National body responsible: INDES

Tentative duration: 3 years

Estimated starting date: 1988

Special comments:

SECTOR 7. ENERGY

Table 7

SUMMARY OF INVESTMENTS AND EMPLOYMENT IN THE ENERGY SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>4 880</u>	<u>5 961</u>
7.1	Substitution of damaged equipment in the sub-stations of San Santonio Abad and Soyapango	480	3 040
7.2	Partial reconstruction of the electricity distribution network of San Salvador	3 900	2 180
7.3	Analysis of the seismic and volcanic risks in geothermal areas and hydroelectric plants	500	741

PROJECT PROFILE

Sector: Energy

Subsector: Electricity

Title of the project: Substitution of damaged equipment in the sub-stations of San Antonio Abad and Soyapango

Objectives of the project: To warrant the normal operation of the two damaged sub-stations (bearing in mind that the system is supported by 4 sub-stations), which are at present operating in precarious conditions

Description of activities to be carried out: Replacement of damaged equipment (two transformers, switches, lightning conductors and other minor appliances) and carrying out different civil works

Results expected from the project: To warrant the safe operation of 100% of the electric system

Total investment required: US\$ 3,040,000

Breakdown US\$

- Labour 120,000
(480 man-months)
- National inputs 580,000
- Imported inputs 2,340,000

Financing (US\$)

Local: 610,000
External: 2,430,000
Possible donor(s): IBRD and/or IDB

National body responsible: Executive Hydro-electricity Commission for the River Lempa.

Tentative duration: 6 months

Estimated starting date: November 1986

Special comments: The works will be carried out through direct administration

PROJECT PROFILE

Sector: Energy

Subsector: Electricity

Title of the project: Partial reconstruction of the electricity distribution network of San Salvador

Objectives of the project: To supply electricity to several areas whose service was interrupted as a consequence of the earthquake

Description of activities to be carried out: Restoring electric lines and repairing the damages suffered by several distribution sub-stations

Results expected from the project: Total restoration of the electricity supply service

Total investment required: US\$ 2,180,000

Breakdown US\$

- Labour	590,000
(3,900 man-months)	
- National inputs	60,000
- Imported inputs	1,530,000

Financing (US\$)

Local:	590,000
External:	1,590,000
Possible donor(s):	CABEI and/or IDB

National body responsible: Electricity Company of San Salvador

Tentative duration: 3 years

Estimated starting date: January 1987

Special comments: The works will be executed through direct administration

PROJECT PROFILE

Sector: Energy

Subsector: Studies

Title of the project: Analysis of the seismic and volcanic risks in geothermal areas and hydroelectric plants

Objectives of the project: To study seismic behaviour and the evolution of volcanic and seismic activity along the faults where hydroelectric plants are located; to analyse register of earthquakes; to determine frequency and acceleration of seisms

Description of activities to be carried out: To install networks of micro-seismic stations in places of interest to CEL and provide the necessary equipment to record pertinent information

Results expected from the project: To provide better criteria for the design of hydroelectric plants and verify the adequacy of existing regulations

Total investment required: US\$ 741,000

Breakdown US\$

- Labour	60,000
(500 man-months)	
- National inputs	561,000
- Imported inputs	120,000

Financing (US\$)

Local:	141,000
External:	600,000
Possible donor(s):	CABEI and/or IDB

National body responsible: Electricity Company of San Salvador

Tentative duration: Two years for the installation; functioning will be indefinite

Estimated starting date: 1987

Special comments:

SECTOR 8. COMMUNICATIONS

Table 8

SUMMARY OF INVESTMENTS AND EMPLOYMENT IN THE COMMUNICATIONS SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>22 425</u>	<u>42 070</u>
8.1	Restoration and reconstruction of telephone plants	10 000	28 470
8.2	Restoration of the external telephone plant	9 000	4 000
8.3	Rehabilitation of 17,000 telephone lines in the metropolitan area of San Salvador	2 388	6 800
8.4	Immediate reposition of tele-communications service by the use of movable exchanges	1 037	2 800

PROJECT PROFILE

Sector: Communications

Subsector: Telecommunications

Title of the project: Restoration and reconstruction of telephone plants

Objectives of the project: To restore as soon as possible the pre-existing level of the local, inter-city and international telephone services. The need for the immediate restoration of the service calls for the installation of switchboard equipment in the same places that housed the equipment destroyed. It is foreseen that these will be moved at a later stage to such places as determined by the design of the definite network, once the new channels are finished

Description of activities to be carried out: 20,000 lines will be expanded in the exchanges of Merijot (8,000 lines), Altamira (4,000 lines), Montebello (4,000 lines) and Soyapango (4,000 lines) because as a consequence of the earthquake, a movement of users towards these zones is anticipated. These will replace the 30,000 lines lost in exchanges CENTRO I (digit 21) and CENTRO II (digit 22). Once the Altamira and Soyapango plants are expanded, they will become the main plants with the incorporation of processing, group access, signalling and access equipment

Results expected from the project: To restore the telephone service to former levels, yet adjusting supply to the zones where the users are expected to move on account of the earthquake.

Total investment required: US\$ 28,470,000

Breakdown US\$

- Labour 5,400,000
(10,000 man-months)
- National inputs
- Imported inputs 23,070,000

Financing (US\$)

Local: 5,694,000
External: 22,776,000
Possible donor(s): IBRD and/or IDB

National body responsible: National Telecommunications Administration (ANTEL)

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: The equipment to be financed with the resources of the project forms part of the telephone network being restored, and not of extensions. ANTEL is covered by an insurance that will make it possible to finance part of the project, after the corresponding loss adjustment.

PROJECT PROFILE

Sector: Communications

Subsector: Telecommunications

Title of the project: Restoration of the external telephone plant

Objectives of the project: To repair and restore the external telephone network which was damaged by the earthquakes

Description of activities to be carried out: Repairing ducts and replacing damaged lines (overground and underground) as needed in the zones of Centre I, II and III in order to restore the service to a desirable level (14,000 lines) and extending the necessary network to the zones in which displaced demand is expected to relocate (Merliot, Altamira, Montebello and Soyapango)

Results expected from the project: To serve the restored and reconstructed plants permitting the user-central connection

Total investment required: US\$ 4,000,000

<u>Breakdown US\$</u>	<u>financing (US\$)</u>
- Labour 1,080,000 (9,000 man-months)	Local: 500,000
- National inputs 420,000	External: 3,500,000
- Imported inputs 2,500,000	Possible donor(s):

National body responsible: National Telecommunications Administration (ANTEL)

Tentative duration: 18 months

Estimated starting date: December 1986

Special comments: The deadline for these works should coincide with that for the repairs to the internal plant (project 8.1)

PROJECT PROFILE

Sector: Communications

Subsector: Telecommunications

Title of the project: Rehabilitation of 17,000 lines in the metropolitan area of San Salvador

Objectives of the project: To restore the function of 17,000 lines destroyed by the earthquake in units CENTRO I (7,000 lines) and II (10,000 lines)

Description of activities to be carried out: To install a digital exchange for 17,000 lines in the location used by the CENTRO I unit, downtown building, in order to restore the same number of lines that were housed in this exchange and in CENTRO II

Results expected from the project: To provide service to 17,000 lines damaged by the earthquake and attain the normal functioning of the telephone service in benefit of the population

Total investment required: US\$ 6,800,000

Breakdown US\$

- Labour	1,289,780
(2,388 man-months)	
- National inputs	-
- Imported inputs	5,510,220

Financing (US\$)

Local:	1,360,000
External:	5,440,000
Possible donor(s):	IBRD and/or IDB

National body responsible: National Telecommunications Administration (ANTEL)

Tentative duration: 15 months

Estimated starting date: 1987

Special comments: ANTEL has insurance that will fund part of the project after the loss adjustment

PROJECT PROFILE

Sector: Communications

Subsector: Telecommunications

Title of the project: Immediate reposition of telecommunications service by the use of movable exchanges

Objectives of the project: To contribute to the immediate restoration of telephone service during the reconstruction of the damaged telephone exchanges, with easily adaptable equipment that can substitute any damaged exchanges in the most damaged areas. At the same time, to provide flexibility to the enterprise so that it can satisfy, with more permanent projects, the telephone demand in areas where such demand is displaced

Description of activities to be carried out: To purchase three movable exchanges (with a total capacity of 2,000 lines) in order to restore exchanges identified with digits 21 and 22 (CENTRO I and CENTRO II). Even though these units provided 17,000 lines, it has already been requested that 2,000 of these be relocated in other areas

Results expected from the project: To restore telephone service promptly and allow for the completion of reconstruction and rehabilitation projects that have a longer time-span. At the same time, it would provide the country with telephone equipment that can easily be moved to areas affected by earthquakes

Total investment required: US\$ 2,800,000

Breakdown US\$

- Labour 560,000
(1,037 man-months)
- National inputs
- Imported inputs 2,240,000

Financing (US\$)

Local: 560,000
External: 2,240,000
Possible donor(s): IBRD and/or IDB

National body responsible: National Telecommunications Administration (ANTEL)

Tentative duration:

Estimated starting date:

Special comments: Project consists of two movable units of 1,000 lines each (at a cost of 700 dollar per line) and one moving unit of 2,000 lines (with the same cost per unit). Unit cost includes: 550 dollars as estimated for line/unit (cif, port of ACAJUTLA) and 150 dollars per line of feeder system

SECTOR 9. RECONSTRUCTION OR REHABILITATION OF
PUBLIC BUILDING

107
Table 9
SUMMARY OF INVESTMENTS AND EMPLOYMENT OF THE RECONSTRUCTION OR
RESTORATION OF THE PUBLIC BUILDINGS SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>145 550</u>	<u>39 359.8</u>
9.1	Reconstruction of building No. 2 of the Ministry of Planning	9 750	2 600.0
9.2	Construction of building No. 1 of the Ministry of Planning	5 625	1 500.0
9.3	Reconstruction of the building of the Ministry of Justice (Government centre)	11 250	3 000.0
9.4	Rehabilitation of the building of the Ministry of the Treasury (Government centre)	5 250	1 400.0
9.5	Restoration of the building of the Ministry of the Interior	187	50.0
9.6	Reconstruction of the building housing the Ministry of Agriculture and Livestock Growing	5 625	1 500.0
9.7	Repairs to the building of the Ministry of Education	188	50.0
9.8	Repairs to the building of the Ministry of Public Health	188	50.0
9.9	Repairs to the Presidential House	188	50.0
9.10	Repairs to the building of the Ministry of Public Works	6 375	1 700.0
9.11	Reconstruction of buildings No. 1 and No. 2 of the Road Transport Head Office	720	191.9
9.12	Restoration of the old building (No.1) and new (No. 2) building of the Urban Planning and Architecture Office (DUA) and the Supplies Building of the (DUA)	1 856	495.0
9.13	Reconstruction of the Migration Head Office	2 437	650.0
	<u>Subtotal for Ministries</u>	<u>49 639</u>	<u>13 236.9</u>
9.14	Reconstruction and rehabilitation of the Headquarters of the Supplies Regulation Institute (IRA)	2 625	700.0
9.15	Reconstruction of the building housing the Salvadorean Institute of Agrarian Transformation (ISTA)	1 875	500.0
9.16	Repairs to the building housing the Fisheries Office	56	15.0
9.17	Repairs to the building housing the Agricultural Promotion Bank	75	20.0
9.18	Repairing the facilities of the Geotechnical Research Centre	225	60.0
9.19	Restoration of the National Geographic Institute building	2 812	750.0
9.20	Repairing the building of the National Printing Press	75	20.0
9.21	Reconstruction of the buildings of the Courts of Justice and Chambers	12 000	3 200.0
9.22	Reconstruction of the building housing the Central Reserve Bank	37 500	10 000.0
	<u>Subtotal for public organizations and Ministries</u>	<u>106 882</u>	<u>28 501.9</u>
9.23	Restoration of the central building of the River Lempa Hydro-electricity Executive Commission (CEL)	16 700	5 000.0
9.24	Reconstruction of the buildings of the National Telecommunications Administration (ANTEL)	3 750	1 000.0
9.25	Restoration of the administrative offices of the National Aquaduct and Sewerage Authority (ANDA)	938	250.0
9.26	Reconstruction of Municipal Buildings	2 249	600.0
9.27	Reconstruction and repairing of markets in the San Salvador municipality	4 069	1 085.0
9.28	Reconstruction of the markets of the San Marcos municipality	1 687	450.0
9.29	Reconstruction of the municipal market of Ayutuxtepeque	750	200.0
9.30	Restoration of the "Home for Minors" located in the city of Santa Tecla, La Libertad Department	3 750	1 000.0
9.31	Restoration of prisons of the Ministry of Justice	4 125	1 100.0
9.32	Rehabilitation of the building of the Legislative Assembly	650	172.9
	<u>Subtotal</u>	<u>38 668</u>	<u>10 857.9</u>

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Reconstruction of building No. 2 of Ministry of Planning

Objectives of the project: To provide the Ministry with the physical infrastructure for the normalization of activities

Description of activities to be carried out: Reconstruction of a five-storey building with a total area of 3,800 sq. m.

Results expected from the project: To have a suitable and safe building for the staff working in this Ministry

Total investment required: US\$ 2,600,000

Breakdown US\$

- Labour	1,170,000
(9,750 man-months)	
- National inputs	1,248,000
- Imported inputs	182,000

Financing (US\$)

Local:	520,000
External:	2,080,000
Possible donor(s):	IDB

National body responsible: Ministry of Planning

Tentative duration: 5 years

Estimated starting date: 1988

Special comments: Given the magnitude of the damage suffered by the public central administration's buildings, government is considering the convenience of building a compound in the outskirts of San Salvador to house all the ministries and headquarters of the national government's organizations, occupying state-owned properties located near the present capital and which have a lower seismic risk

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Construction of building No. 1 of the Ministry of Planning

Objectives of the project: To provide the Ministry with the physical infrastructure for the normalization of activities

Description of activities to be carried out: Construction of a five-storey building with a total area of 2,200 sq. m.

Results expected from the project: To have an adequate and safe place to lodge the people working at the Ministry

Total investment required: US\$ 1,500,000

Breakdown US\$

- Labour	675,000
(5,625 man-months)	
- National inputs	720,000
- Imported inputs	105,000

Financing (US\$)

Local:	300,000
External:	1,200,000
Possible donor(s):	IDB

National body responsible: Ministry of Planning

Tentative duration: 16 months

Estimated starting date: 1988

Special comments: Given the magnitude of the damage suffered by the public central administration's buildings, government is considering the convenience of building a compound in the outskirts of San Salvador to house all the ministries and headquarters of the national government's organizations, occupying state-owned properties located near the present capital and which have a lower seismic risk

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Reconstruction of the Ministry of Justice located in the City of San Salvador (Government Centre)

Objectives of the project: To provide the physical infrastructure for the dependencies that form the Ministry of Justice

Description of activities to be carried out: Construction of a six-storey building, each storey with an area of 2 500 m²

Results expected from the project: Normal and efficient operation of the Office, of the Property and Mortgage Records; the Commerce Registry; the Penal Service Direction and the necessary services for its operation.

Total investment required: US\$ 3,000,000

Breakdown US\$

- Labour	1,350,000
(11,250 man-months)	
- National inputs	1,440,000
- Imported inputs	210,000

Financing (US\$)

Local:	600,000
External:	2,400,000
Possible donor(s):	IDB

National body responsible: Ministry of Justice

Tentative duration: 5 years

Estimated starting date: 1988

Special comments: Given the magnitude of the damage suffered by the public central administration's buildings, government is considering the convenience of building a compound in the outskirts of San Salvador to house all the ministries and headquarters of the national government's organizations, occupying state-owned properties located near the present capital and which have a lower seismic risk

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Rehabilitation of the Ministry of the Treasury (main collections building) located in the Government centre of the City of San Salvador

Objectives of the project: To provide the physical infrastructure for the normal operation of the institution

Description of activities to be carried out: Build and repair walls, repair the pipe and drains system, elevators, air-conditioning, electric system and re-install registry and computing services as well as replacing furniture and equipment

Results expected from the project: Normal and efficient functioning of the collection and registry of tax contributions as well as restore the Ministry's operation in an infrastructure that is adequate and safe for its personnel

Total investment required: US\$ 1,400,000

<u>Breakdown US\$</u>	<u>Financing (US\$)</u>
- Labour 630,000 (5,250 man-months)	Local: 280,000
- National inputs 672,000	External: 1,120,000
- Imported inputs 98,000	Possible donor(s): IDB

National body responsible: Ministry of the Treasury and/or Ministry of Public Works

Tentative duration: 5 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Restoration of the building of the Ministry of the Interior

Objectives of the project: To provide the physical infrastructure to attain the normalization of activities in the institution

Description of activities to be carried out: Construction of walls, repairs to the electricity sub-station, pipes and drains, elevators, air-conditioning systems, etc., as well as replacement of furniture and equipment

Results expected from the project: To have an adequate and safe infrastructure for the staff working and to supply the necessary hardware and equipment

Total investment required: US\$ 50,000

Breakdown US\$

- Labour	22,500
(187 man-months)	
- National inputs	24,000
- Imported inputs	3,500

Financing (US\$)

Local:	10,000
External:	40,000
Possible donor(s):	IDB

National body responsible: Ministry of the Interior

Tentative duration: 3 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Reconstruction of the building housing the Ministry of Agriculture and Livestock Growing

Objectives of the project: To provide the physical infrastructure, to attain the adequate and safe development of activities in the institution

Description of activities to be carried out: Construction of walls, pillars, pipe system, etc. as well as replacement of equipment

Results expected from the project: To have adequate and safe facilities for the normal functioning of the institution

Total investment required: US\$ 1.500,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	675,000	Local:	300,000
(5,625 man-months)		External:	1,200,000
- National inputs	720,000	Possible donor(s):	
- Imported inputs	105,000		

National body responsible: Ministry of Agriculture and Livestock Growing

Tentative duration: 1 year

Estimated starting date: 1987

Special comments: Given the magnitude of the damage suffered by the public central administration's buildings, government is considering the convenience of building a compound in the outskirts of San Salvador to house all the ministries and headquarters of the national government's organizations, occupying state-owned properties located near the present capital and which have a lower seismic risk

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Repairs to the building of the Ministry of Education

Objectives of the project: To provide safe location for the normal conduction of activities

Description of activities to be carried out: Repairs of walls, floors, etc.

Results expected from the project: To have a safe physical infrastructure that allows the normal functioning of the institution

Total investment required: US\$ 50,000

Breakdown US\$

- Labour	22,500
(188 man-months)	
- National inputs	24,000
- Imported inputs	3,500

Financing (US\$)

Local:	10,000
External:	40,000
Possible donor(s):	

National body responsible: Ministry of Education

Tentative duration: 3 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Repairs to the building of the Ministry of Public Health

Objectives of the project: To provide adequate and safe facilities for the normal functioning of activities

Description of activities to be carried out: Repairs to walls, floors, etc.

Results expected from the project: To have a safe physical infrastructure that allows the normal functioning of the institution

Total investment required: US\$ 50,000

Breakdown US\$

- Labour	22,500
(188 man-months)	
- National inputs	24,000
- Imported inputs	3

Financing (US\$)

Local:	10,000
External:	40,000
Possible donor(s):	
	5
	0
	0

National body responsible: Ministry of Public Health

Tentative duration: 3 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Repairs to the Presidential House

Objectives of the project: To provide adequate and safe infrastructure for the normal conduction of institutional activities

Description of activities to be carried out: Repairs to walls, floors, etc.

Results expected from the project: To have adequate and safe facilities to enable the normal functioning of the institutions

Total investment required: US\$ 50,000

Breakdown US\$

- Labour	22,500
(188 man-months)	
- National inputs	24,000
- Imported inputs	3,500

Financing (US\$)

Local:	10,000
External:	40,000
Possible donor(s):	

National body responsible: Presidential house

Tentative duration: 3 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Repairs to the building of the Ministry of Public Works

Objectives of the project: To provide adequate and safe infrastructure for the normal conduction of institutional activities

Description of activities to be carried out: Building and repairs to walls, piping system, etc. and replacement of equipment

Results expected from the project: To have adequate and safe facilities to enable the normal functioning of the institution

Total investment required: US\$ 1,700,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	765,000	Local:	340,000
(6,375 man-months)		External:	1,360,000
- National inputs	816,000	Possible donor(s):	
- Imported inputs	119,000		

National body responsible: Ministry of Public Works

Tentative duration: 1 year

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Reconstruction of buildings No. 1 and 2 of the Road Transport Head Office

Objectives of the project: To provide the physical infrastructure to attain the normalization of activities in the institution

Description of activities to be carried out: Demolition of building No. 1 and reconstruction of a five-storey building and its basement

Results expected from the project: To have an adequate and safe place to house the staff of the Head Office

Total investment required: US\$ 191,886

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	86,350	Local:	38,368
(720 man-months)		External:	153,518
- National inputs	92,105	Possible donor(s):	IDB
- Imported inputs	13,432		

National body responsible: Ministry of Public Works

Tentative duration: 24 months

Estimated starting date: 1988

Special comments: Given the magnitude of the damage suffered by the public central administration's buildings, government is considering the convenience of building a compound in the outskirts of San Salvador to house all the ministries and headquarters of the national government's organizations, occupying state-owned properties located near the present capital and which have a lower seismic risk

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Restoring the old (No.1) and new (No. 2) buildings of the Urban Planning and Architecture Office (DUA) and the Supplies Building of the DUA

Objectives of the project: Provide the physical infrastructure to attain the normal operation of the activities of the institution

Description of activities to be carried out: Repairing roofs, walls and floors

Results expected from the project: To have an adequate and safe place to house the staff working there

Total investment required: US\$ 495,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	222,750	Local:	99,000
(1,856 man-months)		External:	396,000
- National inputs	237,600	Possible donor(s):	IDB
- Imported inputs	34,650		

National body responsible: Ministry of Public Works

Tentative duration: 2 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Reconstruction of the Migration Head Office

Objectives of the project: Provide the physical infrastructure to attain the normal operation of the activities of the institution

Description of activities to be carried out: Demolition of 30% of the building, reconstruction of an area of 1,170 sq.m. and repairing and restoring furnishings and equipment

Results expected from the project: To have an adequate physical infrastructure for the staff of these institutions and to supply the necessary equipment

Total investment required: US\$ 650,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	292,500	Local:	130,000
(2,437 man-months)		External:	520,000
- National inputs	312,000	Possible donor(s):	IDB
- Imported inputs	45,500		

National body responsible: Ministry of the Interior

Tentative duration: 10 months

Estimated starting date: 1988

Special comments: Given the magnitude of the damage suffered by the public central administration's buildings, government is considering the convenience of building a compound in the outskirts of San Salvador to house all the ministries and headquarters of the national government's organizations, occupying state-owned properties located near the present capital and which have a lower seismic risk

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public Organizations

Title of the project: Reconstruction and rehabilitation of the headquarters of the Supplies Regulation Institute (IRA)

Objectives of the project: To provide an adequate and safe infrastructure to attain the normal functioning of institutional activities

Description of activities to be carried out: Demolish and reconstruct the building as well as replace damaged equipment

Results expected from the project: To have an adequate and safe place to enable the functioning of the institution

Total investment required: US\$ 700,000

Breakdown US\$

- Labour	315,000
(2,625 man-months)	
- National inputs	336,000
- Imported inputs	49,000

Financing (US\$)

Local:	140,000
External:	560,000
Possible donor(s):	

National body responsible: Instituto Regulator de Abastecimiento (IRA)

Tentative duration: 1 year

Estimated starting date: 1987

Special comments: Given the magnitude of the damage suffered by the public central administration's buildings, government is considering the convenience of building a compound in the outskirts of San Salvador to house all the ministries and headquarters of the national government's organizations, occupying state-owned properties located near the present capital and which have a lower seismic risk

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public Organizations

Title of the project: Reconstruction of the building housing the Salvadorean Institute of Agrarian Transformation (ISTA)

Objectives of the project: To provide an adequate and safe physical infrastructure to attain the normal functioning of institutional activities

Description of activities to be carried out: Demolish and reconstruct the building as well as replace damaged equipment

Results expected from the project: To have an adequate and safe place to enable the functioning of the institution

Total investment required: US\$ 500,000

Breakdown US\$

- Labour	225,000
(1,875 man-months)	
- National inputs	240,000
- Imported inputs	34,000

Financing (US\$)

Local:	100,000
External:	400,000
Possible donor(s):	

National body responsible: Instituto Salvadoreño de Transformaciones Agrarias (ISTA)

Tentative duration: 9 months

Estimated starting date: 1987

Special comments: Given the magnitude of the damage suffered by the public central administration's buildings, government is considering the convenience of building a compound in the outskirts of San Salvador to house all the ministries and headquarters of the national government's organizations, occupying state-owned properties located near the present capital and which have a lower seismic risk

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Repairs of the building housing the Fisheries Office of the Ministry of Agriculture

Objectives of the project: To rehabilitate the safe and adequate physical infrastructure that enables the normal functioning of the Institution

Description of activities to be carried out: To repair the walls of the building

Results expected from the project: To have adequate and safe facilities that allow the normal functioning of the institution

Total investment required: US\$ 15,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	6,750	Local:	3,000
(56 man-months)		External:	12,000
- National inputs	7,200	Possible donor(s):	
- Imported inputs	1,050		

National body responsible: Ministry of Agriculture and Cattle Growing (MAG)

Tentative duration: 2 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public Organizations

Title of the project: Repairs to the building housing the Agriculture Promotion Bank (BFA)

Objectives of the project: To provide safe and adequate facilities to enable the normal functioning of the institution

Description of activities to be carried out: Repair walls of the building

Results expected from the project: To have an adequate and safe physical infrastructure that allows normal institutional work

Total investment required: US\$ 20,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	9,000	Local:	4,000
(75 man-months)		External:	16,000
- National inputs	9,600	Possible donor(s):	
- Imported inputs	1,400		

National body responsible: Banco de Fomento Agrícola (BFA)

Tentative duration: 2 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public Organizations

Title of the project: Repairing the installations of the Geo-Technical Research Centre

Objectives of the project: To provide the physical infrastructure to attain the normalization of activities in the institution's headquarters and affected stations

Description of activities to be carried out: Repairing of one seismological station; repairs to 50% of the warehouses and front of the main office, repairing walls and floors and demolition of the maintenance unit

Results expected from the project: To have an adequate and safe building for the normal operation of the institution

Total investment required: US\$ 60,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	27,000	Local:	12,000
(225 man-months)		External:	48,000
- National inputs	28,800	Possible donor(s):	IDB
- Imported inputs	4,200		

National body responsible: Ministry of Public Works

Tentative duration: 3 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public Organizations

Title of the project: Restoration of the National Geographic Institute building

Objectives of the project: Provide the physical infrastructure to attain the normal operation of the activities of the institution

Description of activities to be carried out: Repairs to roofs, walls and electricity and water installations; repairing the workshop, supports in containing walls and staircases as well as replacement of equipment

Results expected from the project: To have an adequate and safe place to house the staff working at the Institute

Total investment required: US\$ 750,000

Breakdown US\$

- Labour	337,500
(2,812 man-months)	
- National inputs	360,000
- Imported inputs	52,500

Financing (US\$)

Local:	150,000
External:	600,000
Possible donor(s):	IDB

National body responsible: Ministry of Public Works

Tentative duration: 9 months

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public Organizations

Title of the project: Repairing the building of the National Printing Press

Objectives of the project: To provide the physical infrastructure to attain the normal operation of the Printing Press

Description of activities to be carried out: Repairs to walls, electric sub-station, electric control systems for the machines, communications systems, etc., and replacement of furniture and equipment

Results expected from the project: To have an adequate physical infrastructure for the staff of this institution and to supply the necessary equipment

Total investment required: US\$ 20,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	9,000	Local:	4,000
(75 man-months)		External:	16,000
- National inputs	9,600	Possible donor(s):	IDB
- Imported inputs	1,400		

National body responsible: Ministry of the Interior

Tentative duration: 3 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public Organizations

Title of the project: Reconstruction of the buildings of the courts of justice and chambers

Objectives of the project: To provide the physical infrastructure for the courts of justice and chambers

Description of activities to be carried out: Construction of four buildings, two of them with six storeys, one with four and one with 2. Total Area: 15,900 sq.m.

Results expected from the project: Normal and efficient operation of the different courts and chambers

Total investment required: US\$ 3,200,000

Breakdown US\$

- Labour	1,440,000
(12,000 man-months)	
- National inputs	1,536,000
- Imported inputs	224,000

Financing (US\$)

Local:	640,000
External:	2,560,000
Possible donor(s):	IDB

National body responsible: Supreme Court of Justice

Tentative duration: 3 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public organizations

Title of the project: Reconstruction of the building housing the Central Bank

Objectives of the project: To provide safe and adequate facilities for the normal conduction of activities

Description of activities to be carried out: To demolish and rebuild the facilities used by this institution

Results expected from the project: To have a safe physical infrastructure that enables the normal functioning of the institution

Total investment required: US\$ 10,000,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	4,500,000	Local:	2,000,000
(37,500 man-months)		External:	8,000,000
- National inputs	4,800,000	Possible donor(s):	
- Imported inputs	700,000		

National body responsible:

Tentative duration: 3 years

Estimated starting date: 1987

Special comments: Given the magnitude of the damage suffered by the public central administration's buildings, government is considering the convenience of building a compound in the outskirts of San Salvador to house all the ministries and headquarters of the national government's organizations, occupying state-owned properties located near the present capital and which have a lower seismic risk

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public enterprises

Title of the project: Restoration of the Central Building of the River Lempa Hydro-electricity Executive Commission (CEL)

Objectives of the project: To provide the physical infrastructure to attain the normalization of the institution's functions and activities

Description of activities to be carried out: Transport and removal of debris resulting from the earthquake and reconstruction of damaged parts

Results expected from the project: To have an adequate and safe physical infrastructure for the staff working at the institution

Total investment required: US\$ 5,000,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	2,000,000	Local:	1,000,000
(16,700 man-months)		External:	4,000,000
- National inputs	2,650,000	Possible donor(s):	IDB
- Imported inputs	350,000		

National body responsible: Lempa River Hydro-electricity Executive Commission (CEL)

Tentative duration: 4 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public enterprises

Title of the project: Reconstruction of buildings of the National Telecommunications Administration (ANTEL)

Objectives of the project: To provide the physical infrastructure to attain the normalization of the activities of the institution

Description of activities to be carried out: Reconstruction of ANTEL Roma, San Miguelito, Montebello, Merliot, Soyapango, Government Centre Building, Centre, Centre Annex, Hospital and INCATEL

Results expected from the project: To have an adequate and safe place for the staff working at these institutions so that they may carry out their work in an efficient way

Total investment required: US\$ 1,000,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	450,000	Local:	200,000
(3,750 man-months)		External:	800,000
- National inputs	480,000	Possible donor(s):	IDB
- Imported inputs	70,000		

National body responsible: National Telecommunications Administration (ANTEL)

Tentative duration: 12 months

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Public Enterprises

Title of the project: Restoration of the administrative offices of the National Aqueduct and Sewerage Authority (ANDA)

Objectives of the project: To provide adequate and safe premises for the normal functioning of the institution

Description of activities to be carried out: To repair walls, floors, piping system, elevators, air conditioning, etc. as well as to replace equipment

Results expected from the project: To have an adequate and safe infrastructure that enables the normal conduction of activities

Total investment required: US\$ 250,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	112,500	Local:	50,000
(938 man-months)		External:	200,000
- National inputs	120,000	Possible donor(s):	
- Imported inputs	17,500		

National body responsible: Administración Nacional de Acueductos y Alcantarillado (ANDA)

Tentative duration: 1 year

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Municipal buildings

Title of the project: Reconstruction of the Municipal Buildings of the San Marcos, Mejicanos and Cuscatancingo townships

Objectives of the project: To restore the capacity of municipal services

Description of activities to be carried out: Demolition, rubble removal and construction of the Municipal Building

Results expected from the project: Restoring municipal services

Total investment required: US\$ 600,000

<u>Breakdown</u> US\$		<u>Financing</u> (US\$)	
- Labour	270,000	Local:	40,000
(2,249 man-months)		External:	160,000
- National inputs	288,000	Possible donor(s):	CABEI and/or IDB
- Imported inputs	42,000		

National body responsible: Municipal Councils

Tentative duration: 2 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Municipal markets

Title of the project: Reconstruction and repairing of markets in the San Salvador Municipality

Objectives of the project: To restore the means of living of the salespersons and the services offered to the community living in the capital

Description of activities to be carried out: Demolition and reconstruction of the buildings of the Twetty, San Miguelito, Ex-cuartel, Modelo and Central Market. In the later replace damaged blinds

Results expected from the project: To provide a new services infrastructure for the inhabitants of the capital. To preserve the services capacity of the market network

Total investment required: US\$ 1,085,000

<u>Breakdown</u> US\$		<u>Financing</u> (US\$)	
- Labour	488,250	Local:	217,000
(4,069 man-months)		External:	868,000
- National inputs	520,800	Possible donor(s):	CABEI
- Imported inputs	75,950		

National body responsible: Municipality of San Salvador

Tentative duration: 3 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Municipal markets

Title of the project: Reconstruction of the markets of the San Marcos Municipality

Objectives of the project: To restore the means of living of the salespersons and the services capacity

Description of activities to be carried out: Demolition, rubble removal and construction of three buildings, two of them with two-storeys and one with one

Results expected from the project: Restoration of services in the short term

Total investment required: US\$ 450,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	202,500	Local:	90,000
(1,687 man-months)		External:	360,000
- National inputs	216,000	Possible donor(s):	CABEI
- Imported inputs	31,500		

National body responsible: Municipal Council of San Marcos

Tentative duration: 18 months

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Municipal markets

Title of the project: Reconstruction of the Municipal Market of Ayutuxtepeque, Municipality of Ayutuxtepeque

Objectives of the project: To restore the means of living of the salespersons and the services offered

Description of activities to be carried out: Demolition, rubble removal and reconstruction of the building

Results expected from the project: Restoring the services capacity

Total investment required: US\$ 200,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	90,000	Local:	40,000
(750 man-months)		External:	160,000
- National inputs	96,000	Possible donor(s):	CABEI
- Imported inputs	14,000		

National body responsible: Municipality of Ayutuxtepeque

Tentative duration: 2 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector:

Title of the project: Restoration of the "Home for Minors" located in the City of Santa Tecla, La Libertad Department

Objectives of the project: To provide the adequate and safe physical infrastructure to attain the normal development of the activities of the institution

Description of activities to be carried out: Construction of the different facilities used to provide housing, education and integral assistance to orphaned or abandoned children or for exceptional cases

Results expected from the project: To give the necessary security to safeguard the lives of the children and guarantee the continuity of training and adaptation activities

Total investment required: US\$ 1,000,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	450,000	Local:	200,000
(3,750 man-months)		External:	800,000
- National inputs	480,000	Possible donor(s):	IDB
- Imported inputs	70,000		

National body responsible: Salvadorean Council for Minors

Tentative duration: 2 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Restoration of prisons of the Ministry of Justice

Objectives of the project: To restore the physical infrastructure of the following prisons: "La Esperanza" Central Penitentiary, "Rosa Virginia Peletties" centre for minors, and "La Gloria" centre for minors

Description of activities to be carried out: Carrying out repairs in the installations of the following sectors: Prevention, regular inmates and political convicts, as well as works to prevent landslides in the northern sector of the prison of the Central Penitentiary located in the Mejicanos Municipality; carrying out repairs in the structure of one of the six buildings that shelter 50 girls in the "Rosa Virginia Peletties" centre and repair walls and rods of remaining buildings and the water tank; and carrying-out repairs in the nursery, observation centre for minors, admission and diagnosis centre as well as access bridge, water pipes, reservoir and ramparts of the "La Gloria" centre for minors

Results expected from the project: To offer security to the inmates, adults and minors and ensure the continuity of reformation and training activities

Total investment required: US\$ 1,100,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	495,000	Local:	220,000
(4,125 man-months)		External:	880,000
- National inputs	528,000	Possible donor(s):	IDB
- Imported inputs	77,000		

National body responsible: Ministry of Justice

Tentative duration: 3 years

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Reconstruction or restoration of public buildings

Subsector: Ministries

Title of the project: Rehabilitation of the building of the Legislative Assembly

Objectives of the project: Provide adequate and safe physical infrastructure for the normal functioning of this institution

Description of activities to be carried out: Demolish and rebuild the eastern side of the main entrance, walls in the first floor and the dome

Results expected from the project: Re-establish normal functioning of parliament

Total investment required: US\$ 172,903

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	77,807	Local:	
(650 man-months)		External:	172,903
- National inputs	82,993	Possible donor(s):	
- Imported inputs	12,103		

National body responsible: Legislative Assembly

Tentative duration: Six months

Estimated starting date: 1987

Special comments:

SECTOR 10. AGRICULTURE AND ANIMAL HUSBANDRY

Table 10

SUMMARY OF EMPLOYMENT AND INVESTMENTS IN THE AGRICULTURAL SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>14 264</u>	<u>8 053.1</u>
10.1	Soil conservation and flood control in the outskirts of the metropolitan area	1 350	312.0
10.2	Training programme for the application of technology to the production and marketing of agriculture products in the affected area <u>a/</u>	528	1 142.9
10.3	Implementation of bee-keeping modules	135	187.4
10.4	Development of fowl and pig farms	16	126.8
10.5	Integrated aquaculture and fishing basins restoration	524	1 248.3
10.6	Setting up of home orchards	170	1 039.0
10.7	Fruit, decorating plants and flower orchards	1 320	325.5
10.8	Agro-industrial micro-enterprises for housewives	1 670	1 120.0
10.9	Nursery and orchard for the production of coffee saplings and plants	503	211.9
10.10	Wood production to use in houses built for affected population	670	210.0
10.11	Production of plants and reforestation of 500 ha in the Department of San Salvador to replace the trees used in the areas affected by the earthquake	4 628	1 000.0
10.12	Extension, technification and marketing of food stuffs in the areas affected by the earthquake	550	149.4
10.13	Itinerant market to supply basic-products to zones most seriously affected by the earthquake	400	230.0
10.14	Setting up of a network of distribution centres for sea products	1 800	749.9

a/ Support to the income-generating projects for the reconstruction of San Salvador.

PROJECT PROFILE

Sector: Agriculture and Animal Husbandry

Subsector: Conservation of basins

Title of the project: Soil conservation and flood control in the outskirts of the metropolitan area where the earthquake produced serious landslides

Objectives of the project: To prevent and control problems of erosion by water in the soil of water-courses flowing along steep canyons; to protect the soil and prevent landslides that may endanger populated areas; to reduce the speed of flow and the sediments dragged along the natural courses and drains that lead into urban centres

Description of activities to be carried out: Treatments for the conservation of soils; biological and afforestation measures; drainages; engineering works

Results expected from the project: To stabilize the basins of the streams in the outskirts of the city of San Salvador to minimize the risks of future natural disasters

Total investment required: US\$ 312,000

Breakdown US\$

- Labour 162,000
(1,350 man-months)
- National inputs 150,000
- Imported inputs

Financing (US\$)

Local:
External: 312,000
Possible donor(s):

National body responsible: Natural Resources Centre

Tentative duration: 6 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Agriculture and Animal Husbandry

Subsector: Agricultural education

Title of the project: Training programme for the application of technology to the production and marketing of agricultural products in the area affected (support to the income-generating projects for the reconstruction of San Salvador)

Objectives of the project: To promote agricultural diversification and productivity and stimulate an improvement in the quality of life and living conditions of the families affected by the earthquake

Description of activities to be carried out: To carry out 190 training events in the 19 townships of San Salvador; to support the income-generating projects considered in the reconstruction of San Salvador and directed to people affected by the earthquake

Results expected from the project: Trained labour for specific jobs related to such activities as agriculture and agro-industry; promoting the creation of a peasant organization structure; promoting the values of solidarity, mutual assistance and social harmony

Total investment required: US\$ 1,142,920

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>
- Labour	225,400	Local:
(528 man-months)		External: 1,142,920
- National inputs	847,520	Possible donor(s):
- Imported inputs	70,000	

National body responsible: Farming Training Centre

Tentative duration: 2 years

Estimated starting date: 1987

Special comments: Beneficiaries will be selected from the poorest sectors of the population, who have lost their houses and/or goods as a result of the earthquake and had migrated from war affected areas. Training areas and contents will be determined according to the conditions of the community and the projects to be launched

PROJECT PROFILE

Sector: Agriculture and fishing

Subsector: Animal Husbandry

Title of the project: Implementation of bee-keeping modules

Objectives of the project: Generating employment for the victims that will settle in the peripheral zones of the Department of San Salvador in box-production, handling of modules, honey packaging and marketing; improving the income and food intake of the families involved

Description of activities to be carried out: Implementation of 100 bee-keeping modules of 50 bee-hives, each of them in peripheral areas of the Department of San Salvador, La Libertad, Cuscatlán and Cabañas

Results expected from the project: A production of 2 800 pounds of honey; 20 beehives and 100 pounds of wax, with total sales of 6.8 millions of colones per year. It is expected that by the second year the initial investment will be repaid, with a profit of 80%

Total investment required: US\$ 187,420

Breakdown US\$

- Labour	16,200
(135 man-months)	
- National inputs	161,220
- Imported inputs	10,000

Financing (US\$)

Local: Installed capacity
External: 187,420
Possible donor(s):

National body responsible: Ministry of Agriculture and Animal Husbandry

Tentative duration: 6 months

Estimated starting date: November 1987

Special comments: To be able to increase production indices, it is necessary to locate the modules in zones that are highly suitable for honey production (woods) and to adopt bee-handling systems which allow for bee-hives to be moved; in the rainy season, move the hives from the high lands to the low lands reversing the procedure in the summer. This activity should be carried out in pesticide-free zones.

PROJECT PROFILE

Sector: Agriculture and fishing

Subsector: Animal Husbandry

Title of the project: Development of fowl and pig farms

Objectives of the project: To improve the food intake of the victims of the earthquake, to create jobs for the families in the Department of San Salvador; to train 50 families in the technologies of fowl and pig production

Description of activities to be carried out: To implement 50 modules for production; to train families selected in the technologies of fowl and/or pig production; to promote the use of by-products

Results expected from the project: To improve the nutritional conditions of the population that suffered damages; to create 50 family mini-enterprises; to improve the diet of the population by incorporating animal protein to it, at a low cost and provide derivate goods for commercial sale

Total investment required: US\$ 126,832

Breakdown US\$

- Labour	1,600
(16 man-months)	
- National inputs	77,232
- Imported inputs	48,000

Financing (US\$)

Local:	8,000 plus installed capacity
External:	118,832
Possible donor(s):	

National body responsible: Natural Resources Centre

Tentative duration: One year

Estimated starting date: 15 November 1986

Special comments: 50 breeding modules will be implemented, for fowl and pigs in strategic zones in the Department of San Salvador, La Libertad, Cuscatlán and Cabañas

PROJECT PROFILE

Sector: Agriculture and Animal Husbandry

Subsector: Fishing

Title of the project: Integrated Aquaculture and fishing basins restoration

Objectives of the project: To contribute to increase food production by means of the integration of several productive resources, developing modules in micro-basins in order to integrate production technologies and train the settlers which, in this case, will be earthquake victims

Description of activities to be carried out: Identification of the families with the re-locating unit and improve the use of micro-basins through setting up demonstration modules in the lakes of Chanmico and Calderas in the fishing community of Atiocoyo and by building floating cages. Training activities in the utilization of the soil, water and other resources; promoting within the fishing communities the acceptance of new members and training in the marketing of sea products

Results expected from the project: Setting up two micro-basins for integrated fish-farming, improving the use of the Ilopango lake and restoring the community of Atiocoyo, resettlement of affected and displaced population and generate income

Total investment required: US\$ 1,248,284

Breakdown US\$

- Labour	137,160
(524 man-months)	
- National inputs	1,111,124
- Imported inputs	10,000

Financing (US\$)

Local:	137,160
External:	1,111,124
Possible donor(s):	

National body responsible: Ministry of Agriculture and Animal Husbandry

Tentative duration: 2 years

Estimated starting date: 1987

Special comments: The inputs will be locally purchased or imported if not locally available

PROJECT PROFILE

Sector: Agriculture and fishing

Subsector: Agriculture

Title of the project: Setting up home orchards

Objectives of the project: To generate employment for victims of quake, to improve their diet, to contribute to finance and improve the family income of the participants in the project

Description of activities to be carried out: Setting up 1,000 home orchards, with an area of 50 sq. m. each; to train the beneficiaries in intensive cultivation; to provide orientation in the marketing of the products

Results expected from the project: A production of vegetables equivalent to 900 annual colones/year/module is expected, thus permitting the initial investment to be recouped in 10 years, under the assumption that 50% of the annual production will be used to repay the investment

Total investment required: US\$ 1,039,000

Breakdown US\$

- Labour	20,000
(170 man-months)	
- National inputs	384,000
- Imported inputs	635,000

Financing (US\$)

Local: CENTA Technical Assistance
External: 1,039,000
Possible donor(s):

National body responsible: Ministry of Agriculture and Animal Farming (CENTA)

Tentative duration: Indefinite

Estimated starting date: 1987

Special comments: Six annual crops of vegetables will be produced, since the average cycle of each of the crops is 60 days. As the technological level to be used is highly sophisticated, there is a need for permanent assistance due to the fact that this is an intensive-type exploitation system

PROJECT PROFILE

Sector: Agriculture and Animal Husbandry

Subsector: Agriculture

Title of the project: Fruit, decorating plants and flower orchards

Objectives of the project: To generate employment for the victims; to contribute to stimulate the diversification of crops; to train the beneficiaries in the preparation and handling of fruit-tree, decorating plants and flower orchards; to contribute to the economic recovery of these families by generating income

Description of activities to be carried out: Setting up 90 nurseries of fruit trees (with the following species: Valencia orange, 3,000 trees per nursery; Persian lemon, 2,000 trees per nursery; Paw-paw, 1,000 trees per nursery) and 30 of decorating plants and flowers (fern and other decorating plants and flowers like carnations, chrysanthemus and parasite orchyds

Results expected from the project: Producing and marketing 500,000 plants every three months, which may generate a quarterly income of 600,000 dollars, i.e. 4,200 dollars per nursery, thus yielding a net income per nursery of between 600 and 800 dollars

Total investment required: US\$ 325,500

Breakdown US\$

- Labour	160,000
(1,320 man-months)	
- National inputs	77,000
- Imported inputs	88,500

Financing (US\$)

Local:	50,000
External:	275,500
Possible donor(s):	

National body responsible: Agriculture Technology Centre (CENTA)

Tentative duration: 1 year

Estimated starting date: November 1986

Special comments:

PROJECT PROFILE

Sector: Agriculture and fishing

Subsector: Agro-industrial

Title of the project: Agro-industrial micro-enterprises for housewives

Objectives of the project: To reincorporate women to direct and active participation in the development of agro-industrial projects in order to contribute to the family income and raise the calorie intake of the beneficiaries of the project from 2,057 to 2,229

Description of activities to be carried out: Development of 1,000 semi-urban micro-enterprises engaged in the processing of fruit and vegetables; all of which will be integrated into three components: technical assistance, production of preserves, marketing

Results expected from the project: An estimated production of 1.6 million kilos of jam, equivalent to a net income of 2 million colones p.a.; pickled vegetables will generate 79,200 kilos equivalent to 910,750 colones net annual income; tomato sauce is expected to yield 3,017,000 kilos, representing a net income of 2,275,000 colones p.a.

Total investment required: US\$ 1,120,000

Breakdown US\$

- Labour	700,000
(1,670 man-months)	
- National inputs	148,000
- Imported inputs	772,000

Financing (US\$)

Local:	200
External:	920
Possible donor(s):	

National body responsible: Ministry of Agriculture and Animal Husbandry

Tentative duration: Indefinite

Estimated starting date: 1987

Special comments: The 1,000 micro-enterprises have been divided into three groups: 500 of them producing jam to be used for baking and packing; 250 producing pickle vegetables; 250 producing tomato sauce. The price of jams and pickle vegetables are 25% lower than the market prices and that of tomato sauce 15% lower

PROJECT PROFILE

Sector: Agriculture and Animal Husbandry

Subsector: Agriculture

Title of the project: Nursery and orchard for the production of coffee saplings and plants

Objectives of the project: Generating employment and income in coffee-growing zones close to the area affected by the earthquake; contributing to the recovery of coffee-growing by the replanting of coffee farms

Description of activities to be carried out: 4 nurseries and 4 farms located on the following farms: Mapilapa, Jurisdiction of Apopa; Santa Adelaida in San Salvador; el Espino, Jurisdiction of Old Cuscatlan and Santo Tomás, Jurisdiction of Santo Tomás

Results expected from the project: Production of 250,000 coffee saplings per nursery to feed the orchards, totalling 1,000,000 coffee plants which will be marketed at the national level

Total investment required: US\$ 211,888

Breakdown US\$

- Labour	60,608
(503 man-months)	
- National inputs	11,280
- Imported inputs	140,000

financing (US\$)

Local:	50,000
External:	161,888
Possible donor(s):	

National body responsible: Salvadorean Institute for Research on Coffee (SSIC)

Tentative duration: 20 months

Estimated starting date: 1987

Special comments: The inputs will be purchased locally or imported if not available locally

PROJECT PROFILE

Sector: Agriculture and Animal Husbandry

Subsector: Forestry

Title of the project: Wood production to use in houses built for affected population

Objectives of the project: To obtain wood rolls from the clearing of forest plantations to be used in rural construction, fencing and firewood for family consumption, among other uses

Description of activities to be carried out: Project consists of wood cutting procedures such as clearing and branch cutting that produces wood rolls from 150 has. of forest plantations. Activities include the use, extraction and transportation to consumer sites

Results expected from the project: Satisfy demand for wood products from rural and marginal areas settlers in the metropolitan area, and generate employment in rural area

Total investment required: US\$ 210,000

Breakdown US\$

- Labour	80,000
(670 man-months)	
- National inputs	40,000
- Imported inputs	90,000

Financing (US\$)

Local:	40,000
External:	170,000
Possible donor(s):	

National body responsible: Natural Resources Centre (CENREN)

Tentative duration: 3.5 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: Agriculture and Fishing

Subsector: Forestry

Title of the project: Production of plants and reforestation of 500 has. in the Department of San Salvador to replace the trees used in the areas affected by the earthquake

Objectives of the project: Production of one million rapid-growth trees for the projects to replant the areas where trees were sawn to satisfy the demand for timber and firewood during the emergency produced by the earthquake. To protect the soil and human settlements by means of replacing the covering vegetation. To generate employment for victims and to increase the forestry resource of San Salvador to replace cut areas

Description of activities to be carried out: The project consists in producing plants in nurseries with good access, water supply, surveillance and supervision of executive unit. Half a million will be produced in the nurseries of San Andrés, El Paraíso and Soyapango. The remainder will be produced in communal nurseries. The plants will be produced in plastic bags and will be used in the reforestation of 500 has. of reformed land and beneficiaries of decree 20.7 in the Department of San Salvador and reference areas in the outskirts of the metropolitan zone. Activities will fully cover the planting and keeping of trees during the first year.

Results expected from the project: Providing the vegetation inputs for the reforestation projects of the metropolitan zone; generating employment in the areas surrounding San Salvador

Total investment required: US\$ 1,000,000

Breakdown US\$

- Labour 650,000
(4,628 man-months)
- National inputs 15,000 (plus
installed capacity)
- Imported inputs 335,000

Financing (US\$)

Local: 15,000
External: 985,000
Possible donor(s):

National body responsible: Natural Resources Centre (CENREN)

Tentative duration: 11 months

Estimated starting date: 16 January 1987

Special comments:

PROJECT PROFILE

Sector: Agriculture and Animal Husbandry

Subsector: Agricultural marketing

Title of the project: Extension technification and marketing of food stuffs in the areas affected by the earthquake

Objectives of the project: To extend and technify horticultural areas of the periphery of the city of San Salvador; to create sources of employment for the people affected by the earthquake; to establish a network of distribution centres for horticultural products, fruit, fowl meat and pigwear

Description of activities to be carried out: Channel increased production in areas producing tomatoes, cabbage, cucumber, carrot and sweet peppers and fowl and pig production from different zones of the Departments of San Salvador and La Libertad, located within a 30 km limit in the periphery of San Salvador. Total area estimated at 70 has.

Results expected from the project: To improve the food situation of the family groups of the earthquake victims; to generate income that may contribute to improve the economic situation and living conditions of the people affected

Total investment required: US\$ 149,430

Breakdown US\$

- Labour	38,670
(550 man-months)	
- National inputs	
- Imported inputs	110,760

Financing (US\$)

Local:	
External:	149,430
Possible donor(s):	

National body responsible: Region II

Tentative duration: 4 months

Estimated starting date: May 1987

Special comments:

PROJECT PROFILE

Sector: Agriculture and Animal Husbandry

Subsector: Agricultural Marketing

Title of the project: Itinerant market to supply basic products to zones most seriously affected by the earthquake

Objectives of the project: To prevent price rises as a result of hoarding and to supply basic products to the consumers in a quick way

Description of activities to be carried out: a) purchasing basic grains, milk, salt and sugar; b) lease 20 trailers to be located in strategic points with their products, c) purchase scales and other supplies necessary for the execution of the project

Results expected from the project: Timely supply to the consumers. Reducing the effects of the price rises generated by hoarding

Total investment required: US\$ 230,000

Breakdown US\$

- Labour	50,000
(400 man-months)	
- National inputs	150,000
- Imported inputs	30,000

Financing (US\$)

Local:
External: 230,000
Possible donor(s):

National body responsible: Supplies Regulating Institute (IRA)

Tentative duration: 6 months

Estimated starting date: November 1986

Special comments: There is an urgent need to implement this project to prevent a possible shortage of basic products, which may be generated in the short term

PROJECT PROFILE

Sector: Agriculture

Subsector: Fish marketing

Title of the project: Setting up a network of distribution centres for sea products

Objectives of the project: To contribute to the supply of sea products in the peripheral zones of the capital

Description of activities to be carried out: Setting up a network of distribution centres of sea products in the peripheral area of San Salvador, affected by the earthquake (San Marcos, Mejicanos, Ciudad Delgado, Soyapango and Ilopango)

Results expected from the project: Five sea products distribution agencies; distribution of 47,736 pounds of fish per month

Total investment required: US\$ 749,910

Breakdown US\$

- Labour	216,000
(1,800 man-months)	
- National inputs	
- Imported inputs	533,910

Financing (US\$)

Local:	216,000
External:	533,910
Possible donor(s):	

National body responsible: Ministry of Agriculture and Animal Husbandry

Tentative duration: 2 years

Estimated starting date: February 1987

Special comments: The inputs will be locally purchased. If not available locally, they will be imported

SECTOR 11. INDUSTRY

Table 11

SUMMARY OF INVESTMENTS AND EMPLOYMENT IN THE INDUSTRIAL SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>55 850</u>	<u>45 240.0</u>
11.1	Recuperation of the affected industries	55 700	20 000.0
11.2	Credit support for the small enterprises or commercial establishments from the informal sector	-	5 000.0
11.3	Setting up of sewing workshops in the areas affected by the earthquake	50	50.0
11.4	Bakeries located in zones surrounding the area affected by the earthquake	100	190.0
11.5	Credit support to the small and medium-size industry	-	20 000.0

PROJECT PROFILE

Sector: Industry

Subsector: Restoration

Title of the project: Recuperation of the affected industry

Objectives of the project: Reconstruction of the infrastructure and rehabilitation of equipment

Description of activities to be carried out: Restoring and repairing the physical infrastructure; purchase and installation of new machinery

Results expected from the project: To restore the installed industrial capacity, to continue and maintain the productive process and to prevent the firing of staff

Total investment required: US\$ 20,000,000Breakdown US\$

- Labour	8,000,000
(55,700 man-months)	
- National inputs	4,000,000
- Imported inputs	8,000,000

Financing (US\$)

Local:	20,000,000
External:	
Possible donor(s):	

National body responsible: The private sector

Tentative duration: 2 years

Estimated starting date: 1987

Special comments: This sector does not need external financing since it was insured against earthquakes, and has a financial and credit capacity of its own

PROJECT PROFILE

Sector: Industry

Subsector: Financial

Title of the project: Credit support to the small enterprise or commercial establishments from the informal sector

Objectives of the project: a) To replace lost or damaged capital assets and provide cash flows funding; b) to maintain or increase real income levels of informal sector in the metropolitan region

Description of activities to be carried out: a) To promote loan and credit availability through radio and other media; b) to design a credit programme using the facilities and services of the commercial banking sector; c) to design subsidized credit and interest plans to fit the user's capability; d) to speed-up paperwork and form-filling; e) to supervise initial use of credit; f) to train, if possible, beneficiaries in managerial skills

Results expected from the project: a) Quick absorption of additional unemployment created by the closure of small establishments; b) to stimulate economic reactivation; c) to increase beneficiaries income; and, e) to increase sectorial added value

Total investment required: US\$ 5,000,000

<u>Breakdown US\$</u>	<u>Financing (US\$)</u>	
- Labour	Local:	1,000,000
(man-months)	External:	4,000,000
- National inputs	Possible donor(s):	
- Imported inputs		

National body responsible: Ministry of Work and of the Treasury

Tentative duration: 3 years

Estimated starting date: December 1986

Special comments: Damage estimates indicate that the earthquake affected some 38,100 people through losses or destruction of small shops and microenterprises in the informal sector. These enterprises generate few paid jobs but owners, partners, non-paid family workers depend exclusively on these small shops for their livelihood. Loans should be managed like a fund in order to reduce the amount loaned in respect of required investment

PROJECT PROFILE

Sector: Manufactures

Subsector: Textiles and garments

Title of the project: Setting up sewing workshops in the areas affected by the earthquake, specifically in Mejicanos, Ciudad Delgado, San Jacinto, Soyapango and Old Cuscatlán

Objectives of the project: To improve the living conditions of the population by means of the generation of employment and income

Description of activities to be carried out: Construction of 5 sewing workshops with 50 sewing machines to make different garments

Results expected from the project: 150 finished garments per day will be produced for the local market

Total investment required: US\$ 50,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	10,000	Local:	
(50 man-months)		External:	50,000
- National inputs	10,000	Possible donor(s):	
- Imported inputs	30,000		

National body responsible: Rural Development Head Office

Tentative duration: 6 months

Estimated starting date: January 1987

Special comments: The activity developed in this project is permanent. A period of approximately six months has been estimated to build the workshops and implement them

PROJECT PROFILE

Sector: Manufactures

Subsector: Foodstuffs

Title of the project: Bakeries located in zones surrounding the area affected by the earthquake, particularly, San Jacinto, Mejicanos, Ayutuxtepeque, Ciudad Delgado, Soyapango, San Marcos, San Martín, Santo Tomás and Santa Tecla

Objectives of the project: To generate employment and income for the housewives of the community

Description of activities to be carried out: The project consists in the construction of ovens for bread-baking thus supplying this type of food for the population

Results expected from the project: A total of 450 batches of sweet bread of different kinds will be produced daily in the areas where the bakeries will be located

Total investment required: US\$ 190,000

<u>Breakdown</u> US\$		<u>Financing</u> (US\$)	
- Labour	10,000	Local:	
(100 man-months)		External:	190,000
- National inputs	80,000	Possible donor(s):	
- Imported inputs	100,000		

National body responsible: Rural Development Head Office

Tentative duration: 2 months

Estimated starting date: January 1987

Special comments: It is estimated that the implementation of this project will have a duration of two months, although bread-baking will be a permanent activity

PROJECT PROFILE

Sector: Industry

Subsector: Small and medium-sized enterprises

Title of the project: Credit support to the small and medium-sized industry

Objectives of the project: To help small and medium-sized entrepreneurs to recuperate their assets by providing special credit lines

Description of activities to be carried out: Evaluation of needs by branch of production; to design financial and loan schemes; to legalize and institutionalize the system to be used

Results expected from the project: To restore industrial activities and production; to keep and create employments

Total investment required: US\$ 20,000,000

Breakdown US\$

- Labour
(man-months)
- National inputs
- Imported inputs

Financing (US\$)

Local:
External: 20,000,000
Possible donor(s):

National body responsible:

Tentative duration:

Estimated starting date:

Special comments:

SECTOR 12. CONSTRUCTION OF BUILDINGS AND TRADE

Table 12

SUMMARY OF INVESTMENT AND EMPLOYMENT IN THE
CONSTRUCTION OF BUILDINGS AND TRADE SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>399 300</u>	<u>310 000.0</u>
12.1	Recuperation of the infrastructure	333 300	110 000.0
12.2	Recuperation of assets	66 000	200 000.0

PROJECT PROFILE

Sector: Construction of buildings and trade

Subsector: Reconstruction

Title of the project: Recuperation of infrastructure

Objectives of the project: To reconstruct private buildings to relocate shops, offices, and apartments in the centre of the city which is connected to the public utility services

Description of activities to be carried out: Reconstruction of the physical infrastructure and purchasing furnishings and other goods

Results expected from the project: Regularization of commercial and professional activities; To prevent obstructions to the process of product distribution to the consumer; to prevent firing of staff; to facilitate access to professional services

Total investment required: US\$ 110,000,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	40,000,000	Local:	110,000,000
(333,300 man-months)		External:	
- National inputs	60,000,000	Possible donor(s):	
- Imported inputs	10,000,000		

National body responsible: The private sector

Tentative duration: 5 years

Estimated starting date: 1987

Special comments: This sector does not need external financing since it was insured against earthquakes. It also has a financial and loans capacity of its own

PROJECT PROFILE

Sector: Construction of buildings and trade

Subsector: Trade

Title of the project: Recuperation of assets

Objectives of the project: Restablishing the normal functioning of formal trade activities or, through credit to entrepreneurs, provide for the recuperation of assets lost due to the earthquake

Description of activities to be carried out: To provide adequate credit lines and evaluate needs

Results expected from the project: To reestablish sectoral activities and avoid job losses

Total investment required: US\$ 200,000,000

Breakdown US\$

- Labour	8,000,000
(66,000 man-months)	
- National inputs	40,000,000
- Imported inputs	152,000,000

Financing (US\$)

Local:	200,000,000
External:	
Possible donor(s):	

National body responsible:

Tentative duration:

Estimated starting date:

Special comments: Funding required may come from credits granted to the Salvadorean banking system

SECTOR 13. MONUMENTS AND CHURCHES

Table 13

SUMMARY OF INVESTMENTS AND OCCUPATION IN THE NATIONAL MONUMENTS
AND CHURCHES SECTOR

Number	Project or activity	Employment (Man-months)	Investment (Thousands of dollars)
	<u>Total</u>	<u>19 065</u>	<u>5 084.1</u>
13.1	Restoration of the "Concepción-Convento" Church	1 149	306.4
13.2	Restoration of the Church of Nuestra Señora de Fátima, La Rabida	750	200.0
13.3	Restoration of the Church of El Carmen	38	10.0
13.4	Restoration of the Church of El Calvario	2 250	600.0
13.5	Restoration of the Church of El Rosario	262	70.0
13.6	Reparation of the Church Corazón de María	113	30.0
13.7	Restoration of the Chapel and Parish house, Colonia Amatepec	113	30.0
13.8	Restoration of the Church of the Sagrada Familia, Colonia Centroamérica	150	40.0
13.9	Restoration of Nuestra Señora de Dolores Parish church	75	20.0
13.10	Restoration of the church of María Auxiliadora	750	200.0
13.11	Reconstruction of the Convent San Marcos	600	160.0
13.12	Reconstruction of the San Jacinto complex	6 000	1 600.0
13.13	Reconstruction of the Church of Santa Marta	562	150.0
13.14	Reconstruction of the Church of San Roque, Colonia Harrison	56	15.0
13.15	Restoration of the Church of San Antonio, Sayapango	45	12.0
13.16	Restoration of the Church of San Antonio de Padua, (El Zapote), Colonia América	450	120.0
13.17	Restoration/reconstruction of 3 schools	1 687	450.0
13.18	Reconstruction and/or restoration of the Ana Guerra de Jesús Centre	375	100.0
13.19	Reconstruction and/or restoration of 2 churches, 3 schools and 1 convent	3 000	800.0
13.20	Restoration of the Archbishop's See in San Salvador	246	65.7
13.21	Restoration of churches located in the center of San Salvador (Candelaria, San Esteban, San Jacinto, San José, El Calvario and Basílica del Sagrado Corazón)	244	65.0
13.22	Restoration of the Ambrozi House and the National Palace of San Salvador	150	40.0

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoration of the "Iglesia Concepción y del Convento"

Objectives of the project: To restore the church

Description of activities to be carried out: Demolition of church: $706 \text{ m}^2 \times 500 = 353,000$; build church: $706 \times 1,500 = 1,059,000$; restoration of convent: $200 \times 0.4 \times 1,500 = 120,000$

Results expected from the project:

Total investment required: US\$ 306,400

Breakdown US\$

- Labour	137,880
(1,149 man-months)	
- National inputs	147,072
- Imported inputs	21,448

Financing (US\$)

Local:	61,280
External:	245,120
Possible donor(s):	

National body responsible: The Church

Tentative duration: 3 years

Estimated starting date: 1988

Special comments: This church houses the fresco on the ceiling of the dome, the value of which - as a work of art - cannot be calculated. Because of the costs involved, to replace the fresco would be out of the question

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: To restore the church of "Muestra Señora de Fátima-La Rabida"

Objectives of the project: To restore the church

Description of activities to be carried out: General repair of structure and walls; study and consolidation of soil, general restoration

Results expected from the project:

Total investment required: US\$ 200,000

<u>Breakdown</u> US\$		<u>Financing</u> (US\$)	
- Labour	90,000	Local:	40,000
(750 man-months)		External:	160,000
- National inputs	96,000	Possible donor(s):	
- Imported inputs	14,000		

National body responsible: The Church

Tentative duration: One year

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: To repair the church of "El Carmen"

Objectives of the project: To repair access ramp; to repair cracks in the columns of the ground floor; sundry repairs

Description of activities to be carried out:

Results expected from the project:

Total investment required: US\$ 10,000

Breakdown US\$

- Labour	4,500
(38 man-months)	
- National inputs	4,800
- Imported inputs	700

Financing (US\$)

Local:	2,000
External:	8,000
Possible donor(s):	

National body responsible: The Church

Tentative duration: 3 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: To restore the church of "El Calvario"

Objectives of the project: Restoring

Description of activities to be carried out: Demolition of damaged structures, removal of rubble; restoration, general repairs to secondary structure, consolidation

Results expected from the project:

Total investment required: US\$ 600,000

<u>Breakdown</u> US\$		<u>Financing</u> (US\$)	
- Labour	270,000	Local:	120,000
(2,250 man-months)		External:	480,000
- National inputs	288,000	Possible donor(s):	
- Imported inputs	42,000		

National body responsible: The Church

Tentative duration: 3 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoring the church of "El Rosario"

Objectives of the project: Restoring

Description of activities to be carried out: General repair of damages in arches, columns, walls in the north and south wings

Results expected from the project:

Total investment required: US\$ 70,000

Breakdown US\$

- Labour	31,500
(262 man-months)	
- National inputs	33,600
- Imported inputs	4,900

Financing (US\$)

Local:	14,000
External:	56,000
Possible donor(s):	

National body responsible: The Church

Tentative duration: One year

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoration of the church "Corazón de María"

Objectives of the project: To restore the church

Description of activities to be carried out: Repair stained-glass windows, walls, consolidate foundations, make electrical repairs

Results expected from the project:

Total investment required: US\$ 30,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	13,500	Local:	6,000
(113 man-months)		External:	24,000
- National inputs	14,400	Possible donor(s):	
- Imported inputs	2,100		

National body responsible: The Church

Tentative duration: 4 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Repairs to the chapel and parish house, Col. Amatepec

Objectives of the project: To restore the church

Description of activities to be carried out: Repairing the walls, consolidation of foundations, electrical repairs, building of containing walls

Results expected from the project:

Total investment required: US\$ 30,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	13,500	Local:	6,000
(113 man-months)		External:	24,000
- National inputs	14,400	Possible donor(s):	
- Imported inputs	2,100		

National body responsible: The Church

Tentative duration: 4 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoration of the Church "La Sagrada Familia", Centroamerica Neighbourhood

Objectives of the project: To restore

Description of activities to be carried out: To repair the structure and wall cracks, demolish and build new fencing

Results expected from the project:

Total investment required: US\$ 40,000

<u>Breakdown</u> US\$		<u>Financing</u> (US\$)	
- Labour	18,000	Local:	8,000
(150 man-months)		External:	32,000
- National inputs	19,200	Possible donor(s):	
- Imported inputs	2,800		

National body responsible: The Church

Tentative duration: 6 months

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoration of "Nuestra Señora de Dolores" parish church

Objectives of the project: To restore

Description of activities to be carried out: To repair walls and ceilings, to restore structure

Results expected from the project:

Total investment required: US\$ 20,000

Breakdown US\$

- Labour	9,000
(75 man-months)	
- National inputs	9,600
- Imported inputs	1,400

Financing (US\$)

Local:	4,000
External:	16,000
Possible donor(s):	

National body responsible: The Church

Tentative duration: 3 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoration of the church of "María Auxiliadora"

Objectives of the project: Restoring

Description of activities to be carried out: To repair damages in dome and front of church; to repair the structure

Results expected from the project:

Total investment required: US\$ 200,000

Breakdown US\$

- Labour	90,000
(750 man-months)	
- National inputs	96,000
- Imported inputs	14,000

Financing (US\$)

Local:	40,000
External:	160,000
Possible donor(s):	

National body responsible: The Church

Tentative duration: 3 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Reconstruction of the Convent of San Marcos

Objectives of the project: Reconstruction and restoration

Description of activities to be carried out: Demolition, rubble removal, general repairs, redesign, building

Results expected from the project:

Total investment required: US\$ 160,000

Breakdown US\$

- Labour	72,000
(600 man-months)	
- National inputs	76,800
- Imported inputs	11,200

Financing (US\$)

Local:	32,000
External:	128,000
Possible donor(s):	

National body responsible: The Church

Tentative duration: 2 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Reconstruction of the San Jacinto complex

Objectives of the project: General reconstruction of the complex

Description of activities to be carried out: Demolition, rubble removal, general redesign of the complex, construction

Results expected from the project:

Total investment required: US\$ 1,600,000

Breakdown US\$

- Labour	720,000
(6,000 man-months)	
- National inputs	768,000
- Imported inputs	112,000

financing (US\$)

Local:	320,000
External:	1,280,000
Possible donor(s):	

National body responsible: The Church

Tentative duration: 5 years

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Reconstruction of the church of Santa Marta

Objectives of the project: Demolition and reconstruction

Description of activities to be carried out: Demolition, rubble removal, construction, consolidation of soil

Results expected from the project:

Total investment required: US\$ 150,000

<u>Breakdown</u> US\$		<u>Financing</u> (US\$)	
- Labour	67,500	Local:	30,000
(562 man-months)		External:	120,000
- National inputs	72,000	Possible donor(s):	
- Imported inputs	10,500		

National body responsible: The Church

Tentative duration: 2 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoration of the Church of San Roque, Col. Harrison

Objectives of the project: Restoration

Description of activities to be carried out: Demolition of tower and unfinished wall; repairing columns

Results expected from the project:

Total investment required: US\$ 15,000

Breakdown US\$

- Labour	6,750
(56 man-months)	
- National inputs	7,200
- Imported inputs	1,050

Financing (US\$)

Local:	30,000
External:	12,000
Possible donor(s):	

National body responsible: The Church

Tentative duration: 3 months

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Reconstruction of the Church of San Antonio, Soyapango

Objectives of the project: Restoration

Description of activities to be carried out: Repairing the tower and convent; consolidation of soil and foundations

Results expected from the project:

Total investment required: US\$ 12,000

Breakdown US\$

- Labour	5,400
(45 man-months)	
- National inputs	5,760
- Imported inputs	840

Financing (US\$)

Local:	30,000
External:	120,000
Possible donor(s):	

National body responsible: The Church

Tentative duration: 2 months

Estimated starting date: 1987

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoration of the Parish Church of San Antonio de Padua (El Zapote) Colonia América

Objectives of the project: Restoration

Description of activities to be carried out: Demolition of the damaged part; reconstruction; structural repairs, sundry repairs

Results expected from the project:

Total investment required: US\$ 120,000

<u>Breakdown</u> US\$		<u>Financing</u> (US\$)	
- Labour	54,000	Local:	24,000
(450 man-months)		External:	96,000
- National inputs	57,600	Possible donor(s):	
- Imported inputs	8,400		

National body responsible: The Church

Tentative duration: 2 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Reconstruction and/or repair of three schools

Objectives of the project: Repair and/or reconstruction of Santa Ana School in the Santa Anita area, Marfa Catarina di Maggio School (Col. Luz); Colegio Espiritu Santo (San Jacinto)

Description of activities to be carried out: Demolition and rubble removal; general repairs; design and construction, consolidation of soil; construction of containing walls and terraces

Results expected from the project:

Total investment required: US\$ 450,000

Breakdown US\$

- Labour	202,500
(1,687 man-months)	
- National inputs	216,000
- Imported inputs	31,500

Financing (US\$)

Local:	90,000
External:	360,000
Possible donor(s):	

National body responsible: The Church

Tentative duration: 3 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Reconstruction and/or repair of the Ana Guerra de Jesús Centre

Objectives of the project: Reconstruction; repairs

Description of activities to be carried out: Demolition; rubble removal; redesign, building

Results expected from the project:

Total investment required: US\$ 100,000

<u>Breakdown</u> US\$		<u>Financing</u> (US\$)	
- Labour	45,000	Local:	20,000
(375 man-months)		External:	80,000
- National inputs	48,000	Possible donor(s):	
- Imported inputs	7,000		

National body responsible: The Church

Tentative duration: 2 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Reconstruction and/or restoration of 2 churches, 3 schools and 1 convent

Objectives of the project: Repair or reconstruct: the Church of Nuestra Señora de la Asunción; San Francisco Church; San Agustín school; San Agustín School (3rd cycle); Jesús Obrero School; Convent of the Carmelitas de San José sisters

Description of activities to be carried out: Demolition and removal of rubble; general repairs; design and building; soil consolidation; building of walls and side slopes

Results expected from the project:

Total investment required: US\$ 800,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	360,000	Local:	160,000
(3,000 man-months)		External:	640,000
- National inputs	384,000	Possible donor(s):	
- Imported inputs	56,000		

National body responsible: The Church

Tentative duration: 4 years

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoration of the Archbishop's See in El Salvador

Objectives of the project: Make the structure inhabitable

Description of activities to be carried out: Demolition: $324 \times 500 = 162,000$ sq.metres; rebuilding: $324 \times 1,500 = 486,000$ sq. metres; repairs: 680,400 sq. metres

Results expected from the project:

Total investment required: US\$ 65,680

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	29,556	Local:	13,680
(246 man-months)		External:	52,000
- National inputs	31,526	Possible donor(s):	
- Imported inputs	4,598		

National body responsible: The Church

Tentative duration: 1 year

Estimated starting date: 1988

Special comments:

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Churches

Title of the project: Restoration of four churches located in the Centre of San Salvador (Candelaria, San Esteban, San Jacinto, San José, El Calvario and Basílica del Sagrado Corazón)

Objectives of the project: To restore six churches

Description of activities to be carried out: Carrying out repairs in six church buildings

Results expected from the project: Achieving the restoration of six churches to preserve them as part of the cultural patrimony

Total investment required: US\$ 65,000

<u>Breakdown US\$</u>		<u>Financing (US\$)</u>	
- Labour	29,250	Local:	13,000
(244 man-months)		External:	52,000
- National inputs	31,200	Possible donor(s):	AID
- Imported inputs	4,550		

National body responsible: The Church

Tentative duration: 2 months

Estimated starting date: 1987

Special comments: The works may be carried out in a simultaneous way

PROJECT PROFILE

Sector: National monuments and churches

Subsector: Monuments and cultural centres

Title of the project: Restoration of the Ambrozi house and of the National Palace of San Salvador

Objectives of the project: To restore the buildings

Description of activities to be carried out: Checking up the physical infrastructure

Results expected from the project: Restoration of the buildings to preserve them as part of the historical patrimony

Total investment required: US\$ 40,000

<u>Breakdown US\$</u>		<u>financing (US\$)</u>	
- Labour	18,000	Local:	8,000
(150 man-months)		External:	32,000
- National inputs	19,200	Possible donor(s):	AID
- Imported inputs	2,800		

National body responsible: Ministry of Culture and Communications

Tentative duration: 3 months

Estimated starting date: 1987

Special comments: