

No. 20438

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**SPAIN  
and  
EQUADOR**

**Supplementary Agreement on technical co-operation for the development of irrigation areas (with protocol and annexes). Signed at Quito on 27 April 1981**

*Authentic text: Spanish.*

*Registered by Spain on 27 October 1981.*

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**ESPAGNE  
et  
ÉQUATEUR**

**Accord complémentaire relatif à la coopération technique dans le domaine de l'aménagement de zones d'irrigation (avec protocole et annexes). Signé à Quito le 27 avril 1981**

*Texte authentique : espagnol.*

*Enregistré par l'Espagne le 27 octobre 1981.*

## [TRANSLATION—TRADUCTION]

SUPPLEMENTARY AGREEMENT<sup>1</sup> ON TECHNICAL CO-OPERATION BETWEEN THE GOVERNMENTS OF ECUADOR AND SPAIN FOR THE DEVELOPMENT OF IRRIGATION AREAS

The Government of Spain and the Government of the Republic of Ecuador, pursuant to the provisions of the Basic Agreement on technical co-operation, signed by the two countries on 7 July 1971,<sup>2</sup> have agreed to conclude this Supplementary Agreement on technical co-operation, with the following provisions:

*Article I.* The basic objective of this Supplementary Agreement is to strengthen the technical co-operation extended by the National Agrarian Reform and Development Institute of Spain (hereinafter referred to as "IRYDA") to the Ecuadorian Water Resources Institute (hereinafter referred to as "INERHI"), of Ecuador, in respect of the agricultural development of irrigation areas, the use of underground water for irrigation and regulating structures and training to these ends, with emphasis on the following:

- (a) Training and on-the-job instruction of INERHI technicians in: plot-level irrigation, irrigation, drainage and salinity and/or construction of civil engineering works;
- (b) Agricultural development with irrigation in the zones served by the irrigation areas: Manuel J. Calle, Latacunga-Salcedo-Ambato, Montúfar and 10 additional areas which will subsequently be selected by INERHI.

*Article II.* 1. The Government of Spain designates IRYDA as the body responsible for fulfilling the obligations deriving from this Supplementary Agreement.

2. For its part, the Government of the Republic of Ecuador designates INERHI as the national body responsible for carrying out the activities envisaged in this Supplementary Agreement.

*Article III.* 1. In order to attain the objectives provided for in article I of this Supplementary Agreement, IRYDA undertakes to do the following:

- (a) Execute a programme for training INERHI technicians in the fields covered by this Agreement. Under this programme INERHI technicians shall each spend three-month periods in Spain in accordance with study programmes drawn up in advance and with the plan of work given in annex 1.

In principle, and except in cases of *force majeure*, this programme shall be spread over six periods, two each year, during which practical technical training shall be given to four INERHI professionals per course;

- (b) Make available to INERHI one expert with the title of senior engineer and three experts with the title of technical engineer. The senior engineer shall perform the functions of chief of mission and shall reside in Quito.

The technical engineers shall reside in the irrigation areas of Montúfar, Latacunga-Salcedo-Ambato and Manuel J. Calle. The experts in question shall provide advice to INERHI in accordance with the plan of work in annex 1.

<sup>1</sup> Came into force on 27 April 1981 by signature, in accordance with article VIII.

<sup>2</sup> United Nations, *Treaty Series*, vol. 899, p. 175.

This plan may be revised in order to ensure that the objectives envisaged are adequately fulfilled.

- (c) In addition to the experts referred to in the preceding paragraphs, IRYDA shall endeavor to make available to INERHI, at the request of that body, special experts for specific short-term consultancy missions, with a maximum of two per year.

*Article IV.* 1. IRYDA undertakes to maintain a technical co-ordinator in Spain who shall be responsible for preparing and monitoring the training of INERHI personnel and for supervising, co-ordinating and supporting the IRYDA personnel sent to Ecuador.

2. INERHI undertakes to appoint a technical co-ordinator who shall be responsible for co-ordinating between INERHI and the IRYDA personnel posted to Ecuador, for co-ordinating and monitoring the implementation of activities and for co-ordinating, organizing, planning and supervising the participation of INERHI personnel in the courses to be held in Spain, in order to ensure that the fullest benefit is derived from the training programme.

3. For each 12-month period that this Agreement is in force, and before such period begins, the co-ordinators of both countries shall draw up appropriate plans of work for the members of the IRYDA mission sent to Ecuador, referred to in article III, and, where appropriate, for the experts on specific missions referred to in article III, paragraph (c).

4. The chief of mission, in addition to his responsibilities as an expert, shall be responsible for supervising and monitoring the plans of work drawn up for the IRYDA experts sent to Ecuador. The chief of mission shall also, at the end of each six-month period, draw up a report on the activities carried out during that period, for the Spanish and Ecuadorian authorities.

*Article V.* 1. The financial obligations assumed by the Spanish Government under this Agreement shall be discharged by IRYDA, a branch of the Spanish Ministry of Agriculture, which shall pay the remuneration due in Spain to the Spanish technicians who are to collaborate with INERHI in Ecuador, the travel costs of the family members of those technicians from their place of residence in Spain to their destination in Ecuador, with the limitations specified in the protocol annexed to this Agreement, which forms an integral part of the Agreement, the expenses involved in holding the training courses in Spain for INERHI technicians and the expenses specified in the annexed protocol.

2. The International Technical Co-operation Directorate of the Spanish Ministry of Foreign Affairs shall defray the cost of round-trip travel between Ecuador and Spain, monthly allowances, daily subsistence and medical, pharmaceutical and hospital care for the Ecuadorian technicians who are to participate in the training programmes in Spain, and of supplementary allowances for the IRYDA technicians who are to collaborate with INERHI in Ecuador.

3. The two bodies shall discharge the obligations referred to in the previous paragraphs from their authorized budgetary allocations.

4. The financial obligations assumed by the Ecuadorian Government under the annexed protocol shall be discharged by INERHI, a branch of the Ministry of Agriculture and Livestock.

*Article VI.* The Government of the Republic of Ecuador undertakes to grant the Spanish experts who, pursuant to this Supplementary Agreement are sent by IRYDA to INERHI, the treatment specified in the Basic Agreement on technical co-operation between Spain and Ecuador, signed by the two Governments on 7 July 1971.<sup>1</sup>

<sup>1</sup> United Nations, *Treaty Series*, vol. 899, p. 175.

*Article VII.* In order to conduct an annual evaluation of the activities carried out under this Agreement, a Project Evaluation Committee shall be established, which shall consist of the National Project Co-ordinator and representatives of National Development Council, the Ministry of Agriculture and Livestock and the chief of mission of IRYDA in Ecuador.

The Committee shall submit an evaluation report to the Secretariat of the International Technical Co-operation Committee of Ecuador and to the National Technical Co-operation Directorate of the Ministry of Foreign Affairs of Spain.

The evaluations shall be carried out on the basis of an analysis of the activities referred to in the relevant plans of work, prior to the submission of the relevant reports by INERHI.

*Article VIII.* This Agreement shall enter into force on the date of its signature and shall remain in force for three years; it may be denounced by either of the Parties upon six months' notice.

SIGNED at Quito, on 27 April 1981 in two original copies in Spanish, both texts being equally authentic.

For the Government  
of Spain:  
[Signed]

ANTONIO DE OYARZÁBAL MARCHESI  
Ambassador of Spain

For the Government  
of the Republic of Ecuador:  
[Signed]

ALFONSO BARRERA VALVERDE  
Minister for Foreign Affairs

ANNEXED PROTOCOL GOVERNING THE STATUS OF PERSONNEL REFERRED TO IN  
THE SUPPLEMENTARY AGREEMENT ON TECHNICAL CO-OPERATION BETWEEN  
THE GOVERNMENTS OF SPAIN AND ECUADOR FOR THE DEVELOPMENT OF IR-  
IGATION AREAS

*Clause 1.* 1. For the purpose of carrying out the successive partial INERHI personnel training programmes referred to in article III (a) of the Supplementary Agreement, the Government of Spain shall provide the Ecuadorian technicians with the following facilities:

(a) Accommodation, not including food, in the IRYDA engineers' residences in the work areas, or in similar establishments.

The obligation of IRYDA to provide accommodation may be replaced by payment of an amount of 18,000 (eighteen thousand) pesetas monthly;

(b) An installation grant of 20,000 (twenty thousand) pesetas;

(c) A monthly grant of 28,000 (twenty-eight thousand) pesetas to cover additional expenses and technical supplies;

(d) Air fares, Quito-Madrid-Quito, in tourist class;

(e) Travel within Spain for work or training under the programme. These costs shall be defrayed by IRYDA;

(f) A daily subsistence allowance of 2,000 (two thousand) pesetas whenever, for work or training purposes, they spend the night away from the residences established for the purposes of the programmes;

(g) Medical, pharmaceutical and hospital care.

2. If any of the Ecuadorian technicians is accompanied by his wife and minor children, IRYDA shall provide them with accommodation, not including food, in the engineers' residence designated for the purposes of the programme, or similar establishments.

3. Medical, pharmaceutical and hospital care for wives and children under the age of 18 of the INERHI technicians posted to Spain, for the duration of their stay in that country.

*Clause 2.* 1. Similarly, the Government of the Republic of Ecuador shall provide the Spanish experts referred to in article III (b) of the Supplementary Agreement with the following facilities:

- (a) Air fares Madrid-Quito-Madrid, in tourist class;
- (b) Transport within Ecuador, when in the service of INERHI;
- (c) Travel subsistence of 600 (six hundred) sures whenever, owing to the exigencies of the service, they have to spend the night away from the residence or residences established for the purposes of the programmes;
- (d) Medical, pharmaceutical and hospital care;
- (e) Monthly allowances of 10,000 (ten thousand) sures;
- (f) Air fares, Madrid-Quito-Madrid, in tourist class for the special experts referred to in article III (c) of the Supplementary Agreement.

2. IRYDA undertakes to pay its technicians, for the duration of their stay in Ecuador, the full salaries payable to them in Spain.

3. The Government of Spain undertakes to provide to the IRYDA technicians referred to in article III (b), for the duration of their stay in Ecuador, a special grant consisting of the equivalent of 1,600 (one thousand six hundred) United States dollars monthly for the senior engineer and 1,100 (one thousand one hundred) United States dollars monthly for the technical engineers.

4. Similarly, the Government of Spain undertakes to provide to the special experts referred to in article III (c) a cost-of-living allowance of 85 (eighty-five) United States dollars per day while they are in Ecuador carrying out their mission. In addition, IRYDA shall provide to these experts appropriate allowances at the rate fixed for the area.

5. INERHI shall provide medical, pharmaceutical and hospital care for the wives and children under the age of 18 of the IRYDA technicians posted to Ecuador, for the duration of their stay in that country.

6. IRYDA undertakes to defray the travel costs of the technicians referred to in article III (b) who travel with their families from their residence in Spain to their destination in Ecuador and the return fare of their wives and minor children once every 12 months.

*Clause 3.* 1. The Government of the Republic of Ecuador shall provide the IRYDA co-ordinator referred to in article IV, paragraph 1, of the Supplementary Agreement with the following facilities:

- (a) Air fares, Madrid-Quito-Madrid, in tourist class, but not more than two per year;
- (b) Travel within Ecuador, when in the service of INERHI;
- (c) Medical, pharmaceutical and hospital care;
- (d) A cost-of-living allowance during his stay in Ecuador of 1,900 (one thousand nine hundred) sures per day. The duration of the IRYDA co-ordinator's stay in Ecuador shall not exceed one month per visit.

2. IRYDA undertakes to pay its co-ordinator, for the duration of his stay in Ecuador, the full salary payable to him in Spain and the allowances appropriate to his posting to Ecuador.

*Clause 4.* The Spanish Government shall provide the INERHI co-ordinator referred to in article IV, paragraph 2, of the Supplementary Agreement with the following facilities:

- (a) Air fares, Quito-Madrid-Quito, in tourist class, but not more than two per year;
- (b) Travel within Spain, if it is required by the service;
- (c) Medical, pharmaceutical and hospital care;

- (d) A cost-of-living allowance during his stay in Spain of 5,300 (five thousand three hundred) pesetas per day. The duration of the INERHI co-ordinator's stay in Spain shall not exceed 30 days per trip.

*Clause 5.* The IRYDA technicians referred to in article III (b) of the Supplementary Agreement shall, irrespective of the conditions set forth in clause 2, be subject to the following conditions:

- (a) They shall be at least 30 years old and have at least five years' professional experience, of which at least three must be in the areas covered by this Agreement;
- (b) The minimum stay of these technicians in Ecuador shall be 12 months;
- (c) When the stay of a technician is extended to two years, he shall be entitled during that time to two months' vacation in Spain, with all his rights guaranteed;
- (d) The air fares in tourist class for the vacation period referred to in the preceding paragraph shall be paid by INERHI.

*Clause 6.* If they are career personnel of the body providing the co-operation, the experts concerned shall have, for the duration of their assignment, the status of permanent staff on temporary assignment, in accordance with the rule 20/d of the Staff Rules of Autonomous Bodies, it being understood that all the requirements set forth in the aforementioned rule have been met because they were appointed by the presidency of IRYDA to carry out their assignment.

*Clause 7.* Both IRYDA and INERHI reserve the right to send back to their place of origin any technicians undergoing training or any serving technicians judged to be unsuitable. In this case, such Spanish technicians shall be given at least 45 days' notice and such Ecuadorian technicians at least 30 days' notice. The Spanish technicians shall be replaced within an appropriate period so as to avoid jeopardizing the progress of the programmes.

*Clause 8.* 1. The amounts provided for in clause 1, paragraphs 1 (a), 1 (b), 1 (c) and 1 (f), clause 2, paragraphs 1 (c), 1 (e) and 3, clause 3, paragraph 1 (d), and clause 4, paragraph 1 (d), shall be adjusted once, after 18 months, so as to reflect the cost-of-living increases which have occurred in the countries in which they are to be paid.

2. The adjustments shall be worked out in the eighteenth month following the signing of the Agreement using as a base the official cost-of-living index in each of the countries for the month of signature and, as a correction factor, the most recent official adjustment index available.

3. The adjustments referred to in the previous paragraph shall take effect on the first day of the nineteenth month following the signing of the Agreement.

DONE at Quito, on 27 April 1981, in two original copies in Spanish, both texts being equally authentic.

For the Government  
of Spain:

[Signed]

ANTONIO DE OYARZÁBAL MARCHESI  
Ambassador of Spain

For the Government  
of the Republic of Ecuador:

[Signed]

Alfonso Barrera Valverde  
Minister for Foreign Affairs

## PLAN OF WORK

## ANNEX 1

## OBJECTIVES AND GOALS OF THE PROJECT

<i>Objectives Description</i>	<i>C.M.</i>	<i>Goals Description</i>
1 Training and on-the-job instruction of INERHI technicians in: irrigation of plots, irrigation, drainage and salinity; and/or construction of civil engineering works	1.1 Organization of three courses in Spain, each lasting for five months, in: irrigation of plots (one course); irrigation, drainage and salinity (one course); and construction of civil engineering works (one course)	
2 Agricultural development with irrigation in the irrigation areas: Manuel J. Calle, Latacunga-Salcedo-Ambato and Montúfar	1.2 Training in instruction methods for 24 INERHI technicians, in groups of eight persons each	
3 Advising INERHI on agricultural development with irrigation.	2.1 Improving an area of 2,700 hectares and benefiting 1,200 rural families in the Montúfar area, through agricultural development with irrigation 2.2 Extending irrigated agricultural development to 4,000 hectares of land and 7,000 rural families in the Latacunga-Salcedo-Ambato area. 2.3 Improving the farm-level distribution methods of irrigation systems in a 15,000-hectare irrigated agricultural production zone in the Manuel J. Calle area and benefiting 2,000 rural families in the zone. 3.1 Providing advice on irrigated agricultural development to 10 areas of the Ecuadorian Water Resources Institute.	

## PROJECT ACTIVITIES AND EXECUTING PERSONNEL

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C.M.	C.A.	Activities <i>Description</i>	Foreign personnel			National personnel <i>Official</i>			Date <i>Beginning</i> <i>Ending</i>	Place of execution
			Name	Specialty	Institution	Specialty	Name	S/N		
1.1	1.1.1	Drawing up the terms of reference for the training and on-the-job instruction courses for INERHI technicians	To be designated	Spanish co-ordinator	INERHI	Technical co-ordinator	To be designated	S	1-III-80	Quito
	1.1.2	Co-ordination of the courses to be held in Spain	To be designated	Co-ordinator	INERHI	Technical co-ordinator	To be designated	S		Quito
	1.1.3	Preparation of new courses	To be designated		INERHI	Technical co-ordinator	To be designated	S		Quito
	1.1.4	Evaluation of the training	To be designated	Co-ordinator	INERHI	Co-ordinator	To be designated	S		Quito
1.2	1.2.1	Selection of fellowship-holders	To be designated	Co-ordinator	INERHI	Co-ordinator	To be designated	S		Quito
	1.2.2	Supervision of the training	To be designated	Co-ordinator	INERHI	Co-ordinator	To be designated	S		Quito
2.1	2.1.1	Reconnaissance of the area of the Montúfar irrigation project	To be designated	Irrigation engineer	INERHI	Counterpart	To be designated	S	1-III-80	Montúfar
	2.1.2	Analysis of the area covered by the Montúfar irrigation project, including: existing agricultural situation, infrastructure, mechanization, inputs used, productivity, viability, existing industries and agro-industries, marketing, etc.	To be designated	Irrigation engineer	INERHI	Counterpart	To be designated	S	1-III-80	Montúfar
	2.1.3	Demographic and occupational aspects of the Montúfar irrigation project	To be designated	Irrigation engineer	INERHI	Counterpart	To be designated	S	1-III-80	Montúfar
	2.1.4	Compilation and analysis of existing secondary and tertiary information on the Montúfar irrigation project	To be designated	Irrigation engineer	INERHI	Counterpart	To be designated	S	1-III-80	Montúfar

2.1	2.1.5	Preparation of a document: irrigated agricultural development of the Montúfar area	To be designated	Irrigation engineer	INERHI	Counterpart	To be designated	S	1-III-80	Montúfar
	2.1.6	Organization of training courses for farmers and operational personnel in irrigation by area and sprinkling.	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-XII-80	Montúfar
	2.1.7	Formation of a board of users with programmes to be carried out by each board and planning of plot-level irrigation	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-XII-80	Montúfar
	2.1.8	Establishment irrigation projects using sprinkling	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-XII-80	Montúfar
	2.1.9	Promotion, provision of inputs and agricultural development of the Montúfar project area	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-XII-80	Montúfar
	2.1.10	Organization of a bank of agricultural inputs	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-XII-80	Montúfar
2.2	2.2.1	<i>Reconnaissance of the area of the Latacunga-Salcedo-Ambato irrigation project</i>	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-XII-80	Latacunga-Salcedo-Ambato
	2.2.2	Analysis of the area covered by the Latacunga-Salcedo-Ambato irrigation project including: existing agricultural and livestock situation, infrastructure, mechanization, inputs used, productivity, viability, existing industries and agro-industries, marketing, etc.	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-XII-80	Latacunga-Salcedo-Ambato
	2.2.3	Demographic and occupational aspects of the Latacunga-Salcedo-Ambato irrigation project	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-XII-80	Latacunga-Salcedo-Ambato

## PROJECT ACTIVITIES AND EXECUTING PERSONNEL

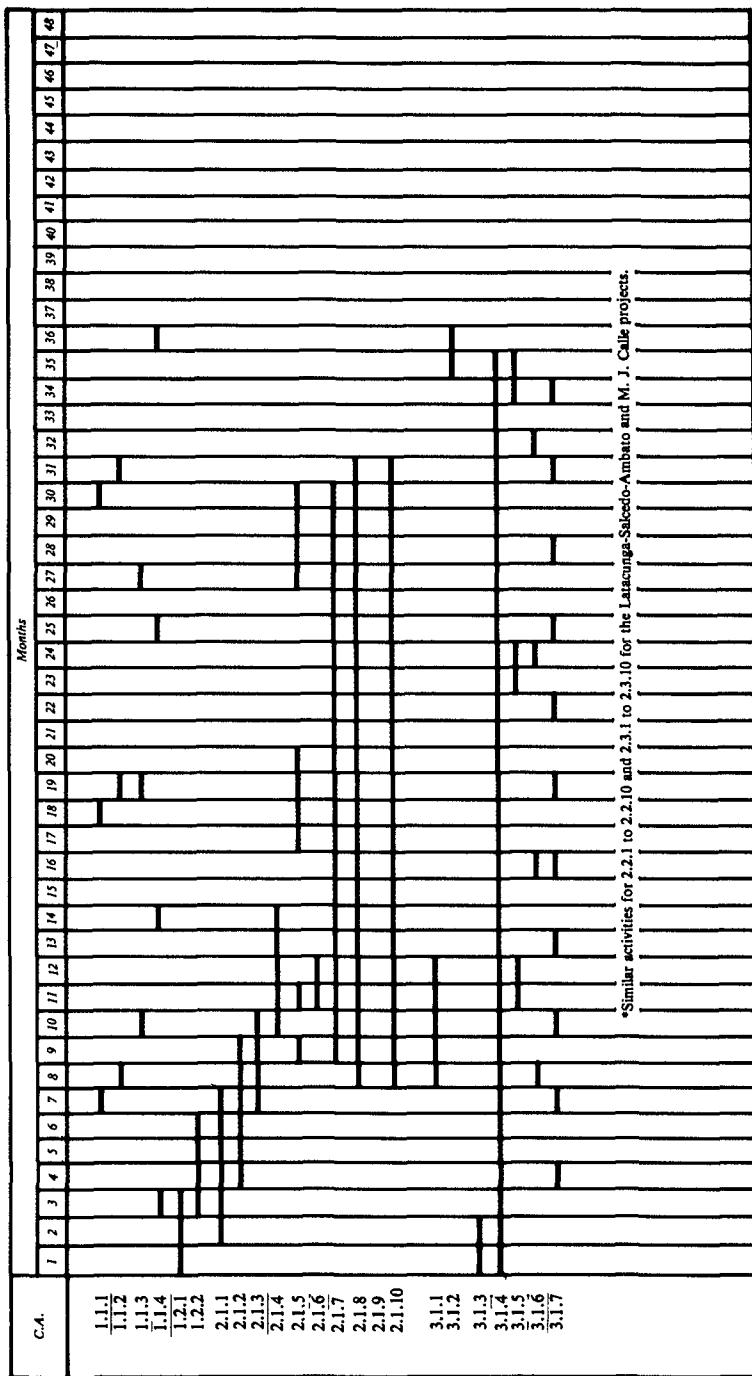
C.M.	C.A.	Activities <i>Description</i>	Foreign personnel		Institution	National personnel Official		S/N	Date		Place of execution
			Name	Specialty		Specialty	Name		Beginning	Ending	
2.2	2.2.4	Compilation and analysis of secondary and tertiary information on the Latacunga-Salcedo-Ambato irrigation project	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-XII-80		Latacunga-Salcedo-Ambato
	2.2.5	Preparation of a document: irrigated agricultural development of the Latacunga-Salcedo-Ambato area	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80		Latacunga-Salcedo-Ambato
	2.2.6	Organization of training courses for farmers, livestock farmers and operational personnel in irrigation by area and	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80		Latacunga-Salcedo-Ambato
	2.2.7	Formation of a board of users with programmes to be carried out by each board and planning of plot-level irrigation	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80		Latacunga-Salcedo-Ambato
	2.2.8	Establishment of irrigation projects using sprinkling	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80		Latacunga-Salcedo-Ambato
	2.2.9	Promotion, provision of inputs and agricultural development of the Latacunga-Salcedo-Ambato project area	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80		Latacunga-Salcedo-Ambato
	2.2.10	Organization of a bank of agricultural inputs	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80		Latacunga-Salcedo-Ambato
	2.3.1	<i>Reconnaissance of the area of the Manuel J. Calle irrigation project</i>	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80		Manuel J. Calle

2.3	2.3.2	Analysis of the area covered by the Manuel J. Calle irrigation project, including: existing agricultural and livestock situation, infrastructure, mechanization, inputs used, productivity, viability, existing industries and agro-industries, marketing, etc.	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Manuel J. Calle
	2.3.3	Demographic and occupational aspects of the M. J. Calle irrigation project	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Manuel J. Calle
	2.3.4	Compilation and analysis of secondary and tertiary information on the M. J. Calle project	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Manuel J. Calle
	2.3.5	Preparation of a document: irrigated agricultural development of the M. J. Calle area	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Manuel J. Calle
	2.3.6	Organization of training courses for farmers, livestock farmers and operational personnel in irrigation by area and sprinkling	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Manuel J. Calle
	2.3.7	Formation of a board of users with programmes to be carried out by each board and planning of plot-level irrigation	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Manuel J. Calle
	2.3.8	Establishment of irrigation projects using sprinkling	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Manuel J. Calle
	2.3.9	Promotion, provision of inputs and agricultural development of the area of the M. J. Calle irrigation project	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Manuel J. Calle
	2.3.10	Organization of a bank of agricultural inputs	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Manuel J. Calle

## PROJECT ACTIVITIES AND EXECUTING PERSONNEL

C.M.	C.A.	Activities		Foreign personnel		National personnel Official			Date Beginning Ending	Place of execution
		Description	Name	Specialty	Institution	Specialty	Name	S/N		
3.1	3.1.1	Establishment of rules for the use of agricultural equipment and machinery in the irrigation areas of the Ecuadorian Water Resources Institute	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Irrigation districts
	3.1.2	Advice to the Department for the promotion and follow up of agricultural development activities carried out by INERHI at the national level	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Quito
	3.1.3	Recommendations on the INERHI areas with emphasis on irrigation and agricultural development	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Quito
	3.1.4	Design of irrigation projects using sprinkling	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Quito
	3.1.5	Supervision of activities to be carried out by the international personnel of IRYDA in the Montúfar, Latacunga-Salcedo-Ambato and Manuel J. Calle irrigation areas	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-80	Irrigation districts
	3.1.6	Quarterly working meetings with international personnel and their national counterparts	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-83	Irrigation districts
	3.1.7	Preparation of six-monthly, annual and final reports on the activities carried out pursuant to the INERHI-IRYDA agreement, for submission to the Ministry of Agriculture and Livestock and the National Planning Board	To be designated	Irrigation engineer	INERHI	Irrigation engineer	To be designated	S	1-III-83	Quito

CHART OF THE PROJECT ACTIVITIES



\*Similar activities for 2.2.1 to 2.2.10 and 2.3.1 to 2.3.10 for the Latacunga-Salcedo-Ambato and M. J. Calle projects.

## CHART OF THE ACTIVITIES OF EXTERNAL STAFF

Similar activities for 2.1.10 and 2.3.1 to 2.3.10 for the Latacunga-Salcedo-Ambato and M. J. Calle projects.

## ANNEX 2

### CONTRIBUTION OF THE SPANISH GOVERNMENT

#### 1. *Experts*

- A co-ordinator, who, together with the Ecuadorian co-ordinator, shall have general responsibility for the project,
- A senior agricultural engineer, with expertise in the development of irrigation areas, who shall act as chief of mission,
- Three technical engineers with experience in irrigation and development in existing irrigation areas, and
- Six special experts, whose length of service and areas of specialization shall be determined in the course of operations, depending on the needs of the project.

#### 2. *Training*

- Six training courses (two per year) for four technicians, each lasting 12 weeks. Total 72 man-months. The fellowships shall cover: air fares, living allowances, travel expenses in Spain and cost of medical care.

#### 3. *Other expenditure*

- Round-trip air fares for travel between Madrid and Quito and return travel of the wives and minor children of Spanish experts posted to Ecuador.

## ANNEX 3

### CONTRIBUTION OF THE GOVERNMENT OF THE REPUBLIC OF ECUADOR

#### 1. *Technical personnel*

- A co-ordinator who is an agricultural engineer with experience in rural development in irrigated areas. He and the Spanish co-ordinator shall have general responsibility for the project.
- Three agricultural engineers with experience in irrigation and irrigated agricultural development, counterparts of the experts assigned to the Montúfar, Latacunga-Salcedo-Ambato, Milagro and Manuel J. Calle projects.

#### 2. *Installations and equipment*

- (a) Offices for experts and their counterparts in Quito and at the project sites: Montúfar, Latacunga-Salcedo-Ambato and Manuel J. Calle.
- (b) Equipment and vehicles needed for field-work and tests.
- (c) Office equipment: furniture, drawing and reproduction equipment needed for the smooth operation of the project.
- (d) Raw materials: fertilizers, plant-health products and improved seeds.

#### 3. *Other expenditure*

- Consumable items (fuel, oil, water, motor power, lighting, etc.) are included. For maintenance and repairs, not only labour but also equipment and spare parts will have to be provided.
- Accommodation expenses of the Spanish personnel and their families, with a monthly allowance of 10,000 sures.
- Madrid-Quito-Madrid air fares for Spanish experts posted to Ecuador, and for special experts requested by INERHI.