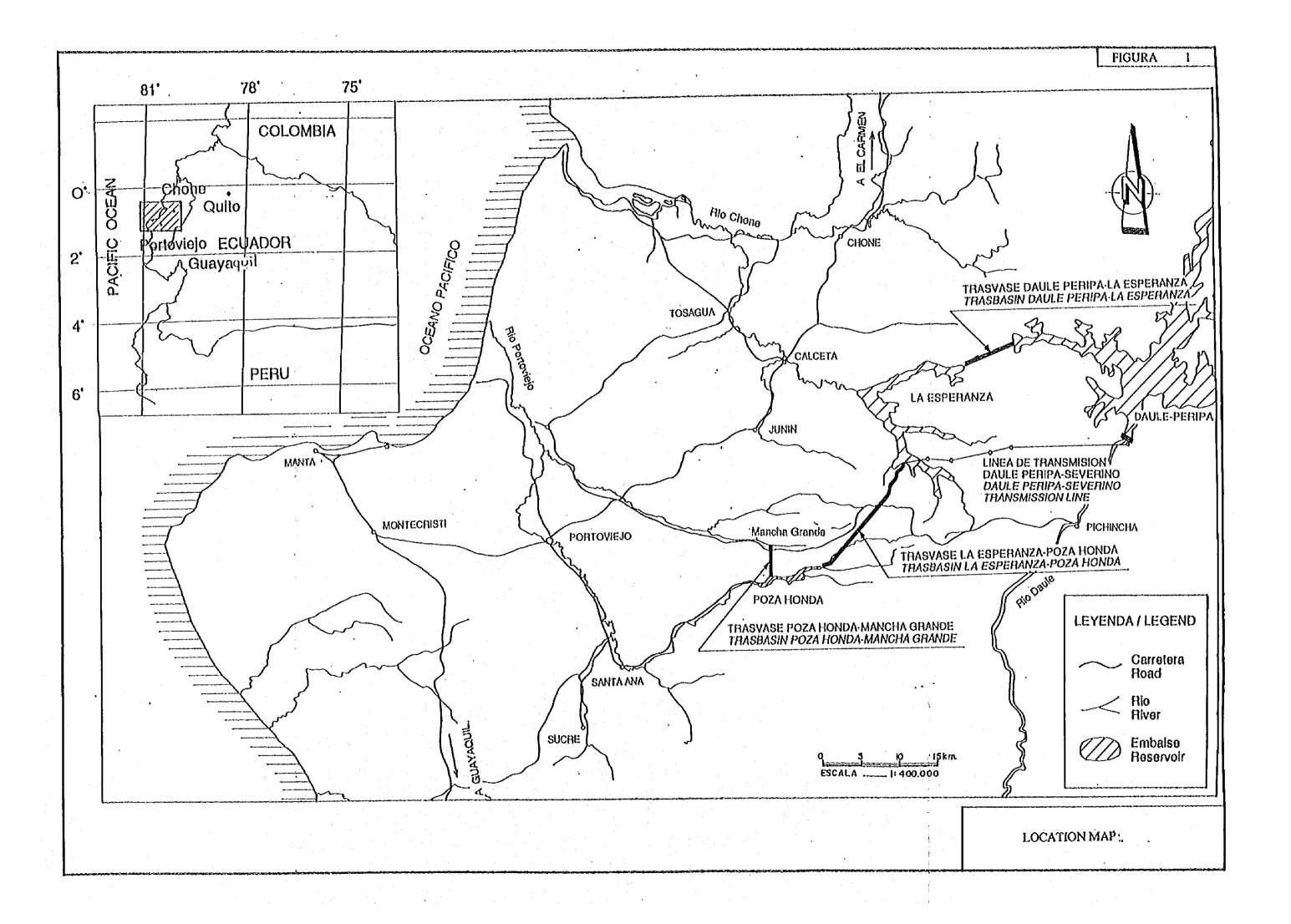
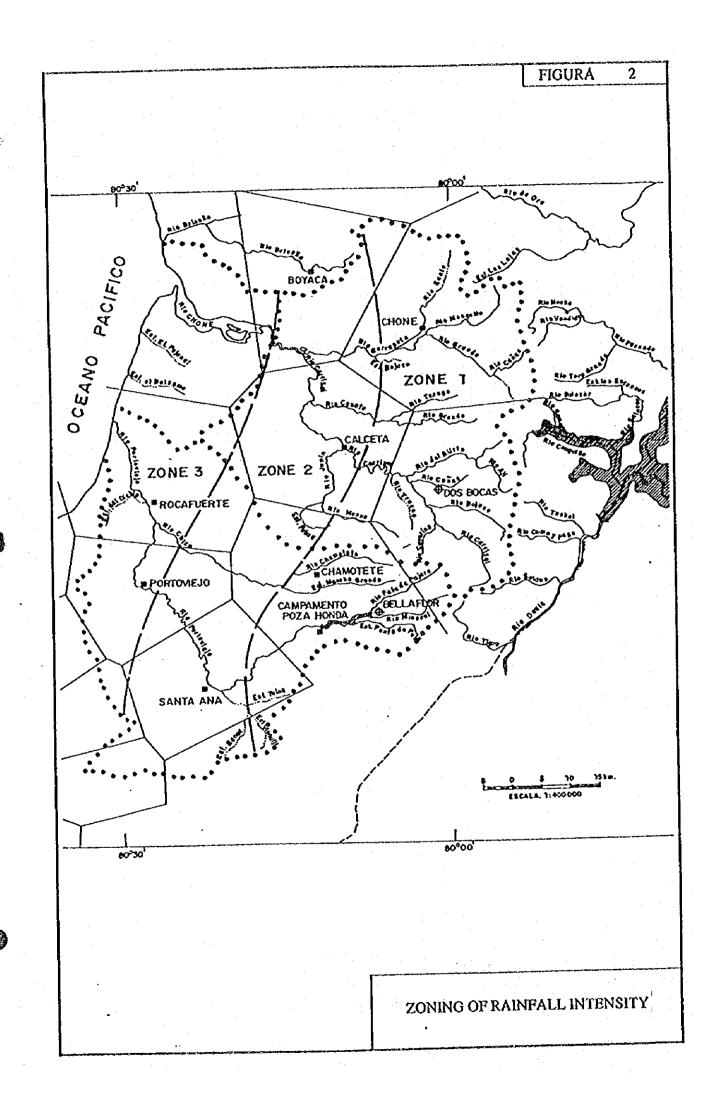
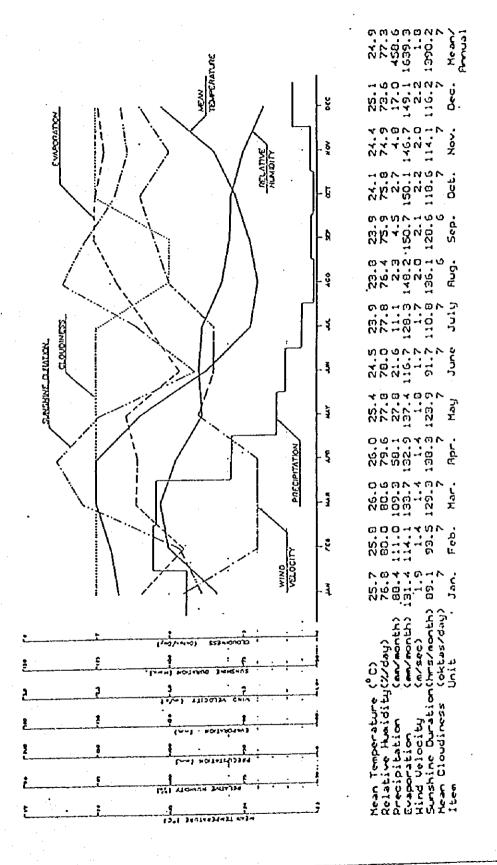
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	TYPICAL CROSS SECTIONS







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MEAN METEOROLOGICAL AND HYDROLOGICAL DATA AT PORTOVIEJO UTM.

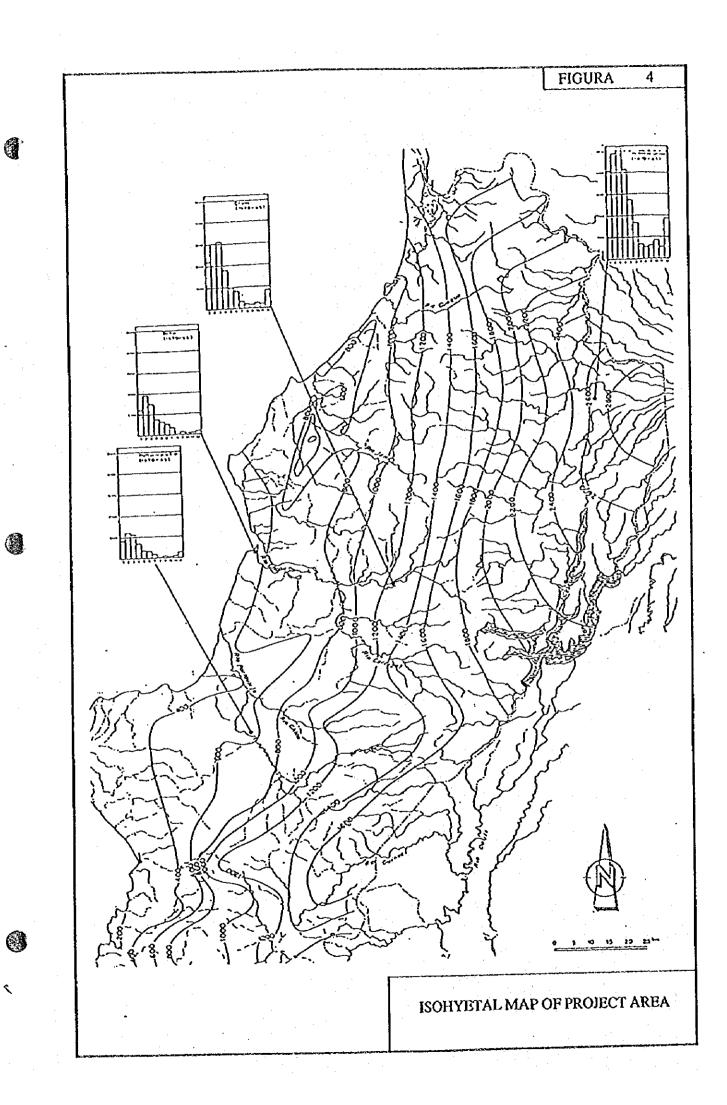
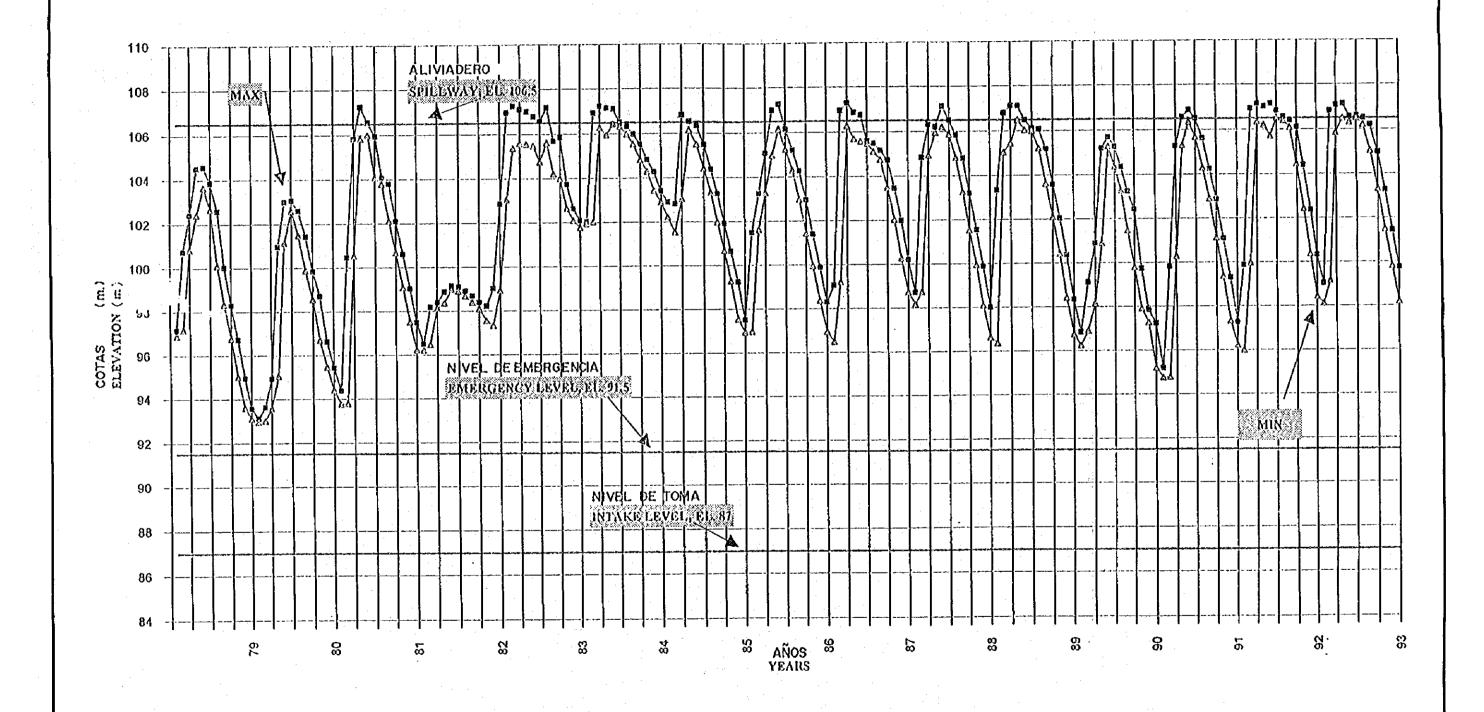
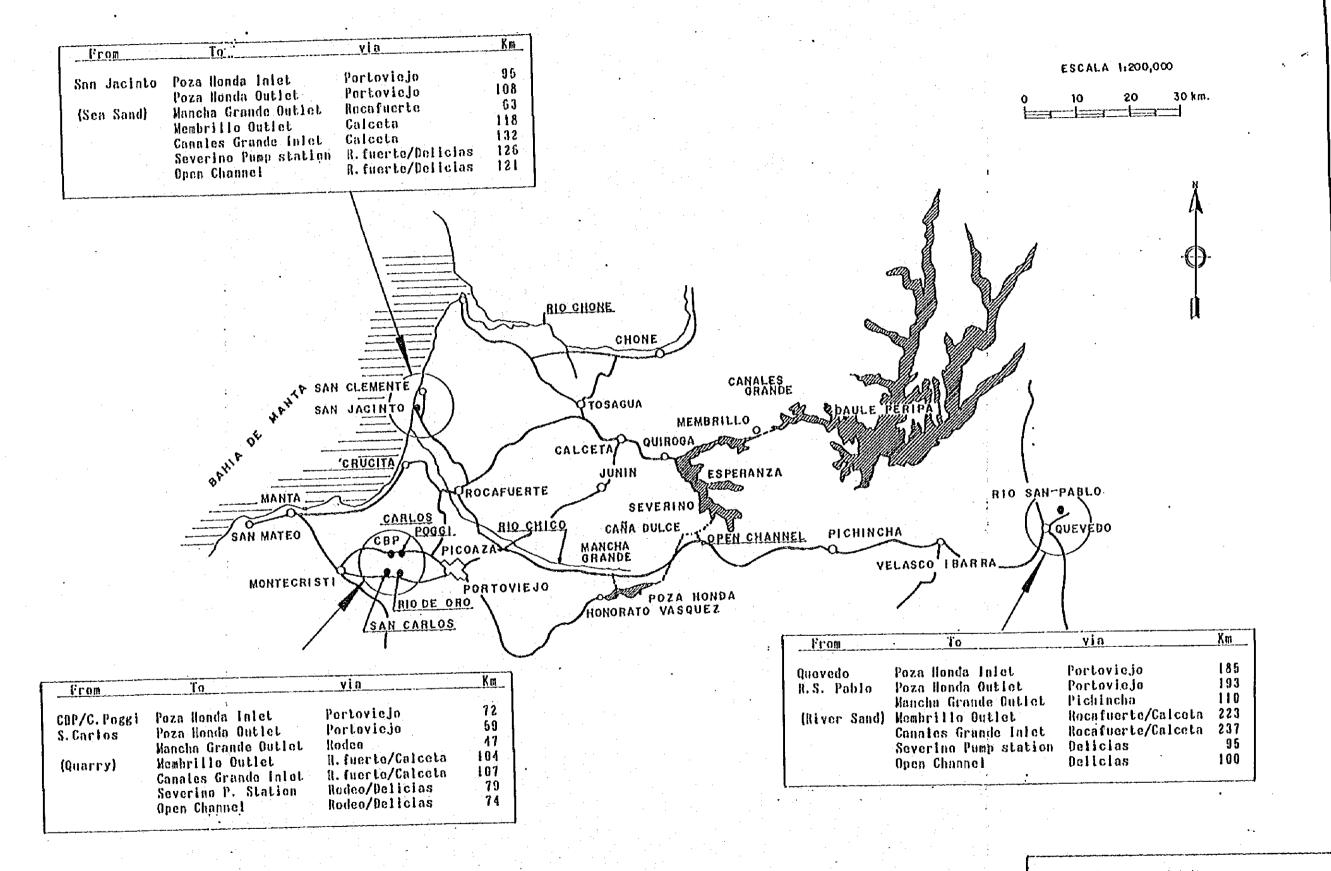


FIGURA 5

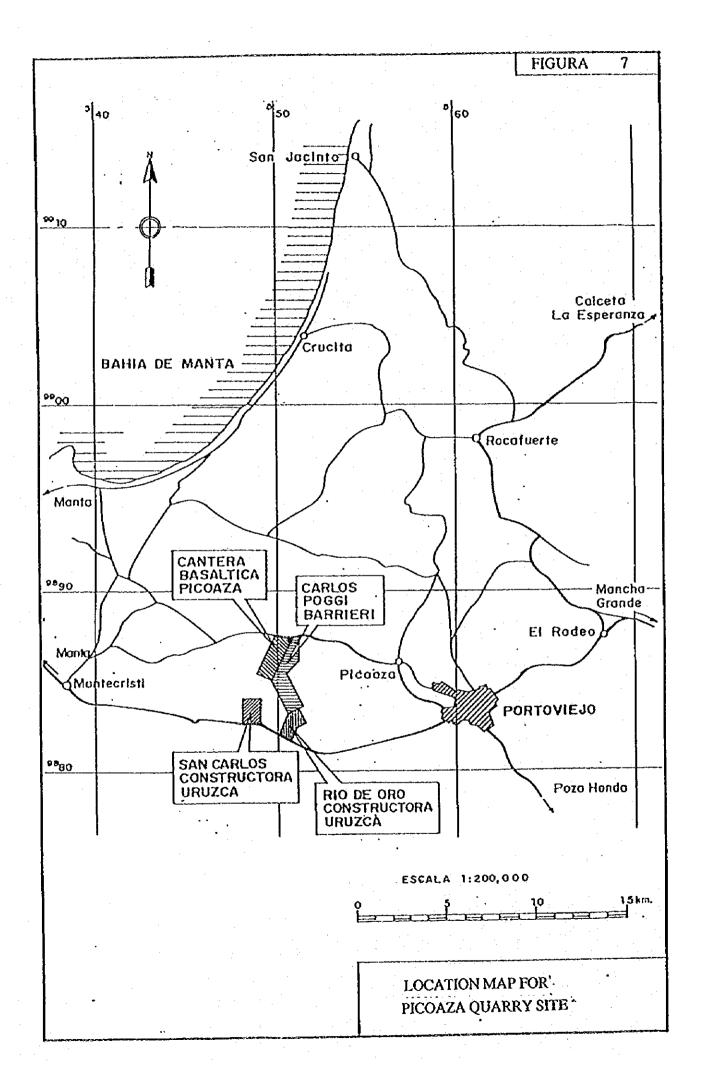


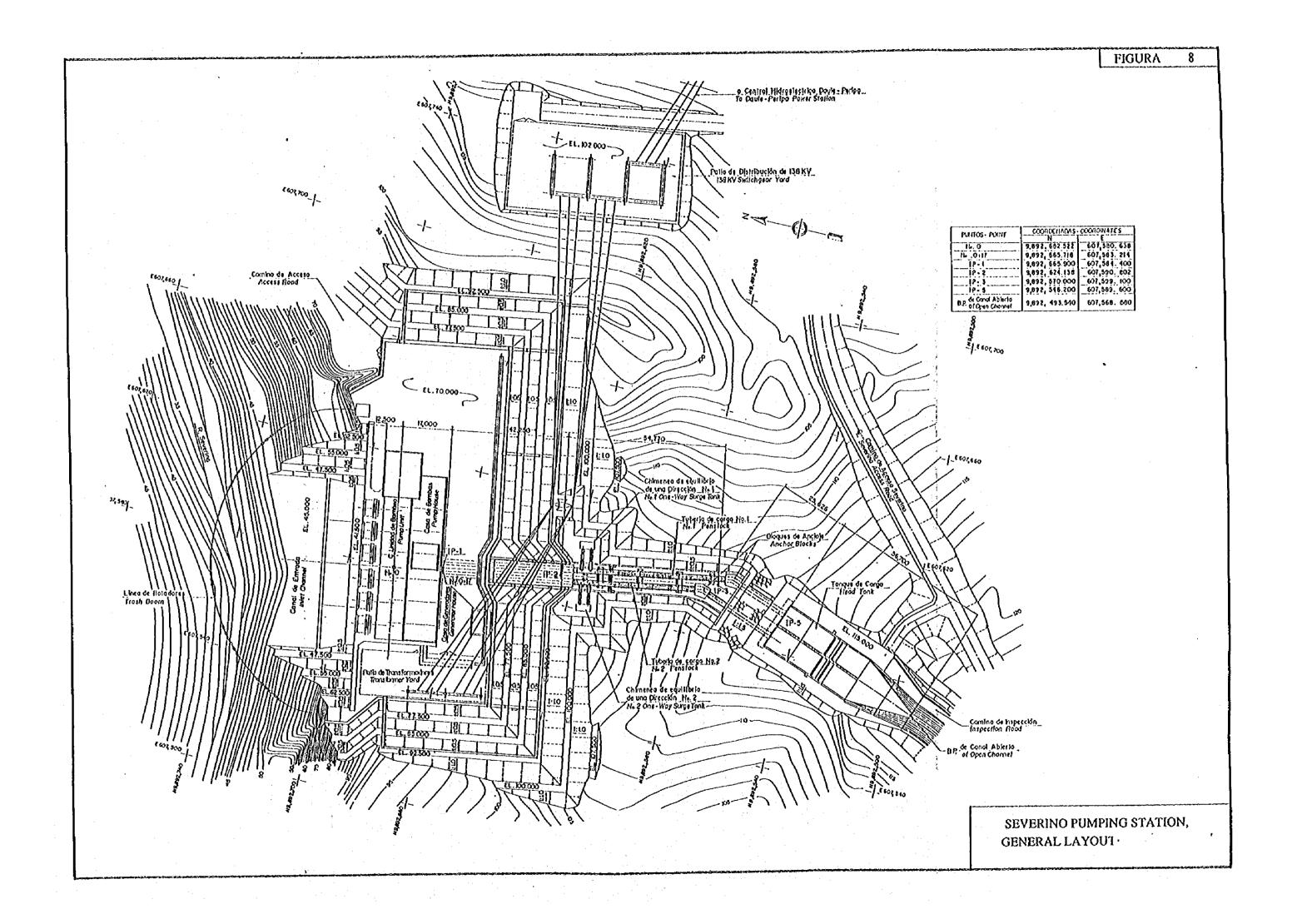
POZA HONDA DAM, RESERVOIR WATER LEVEL RECORD



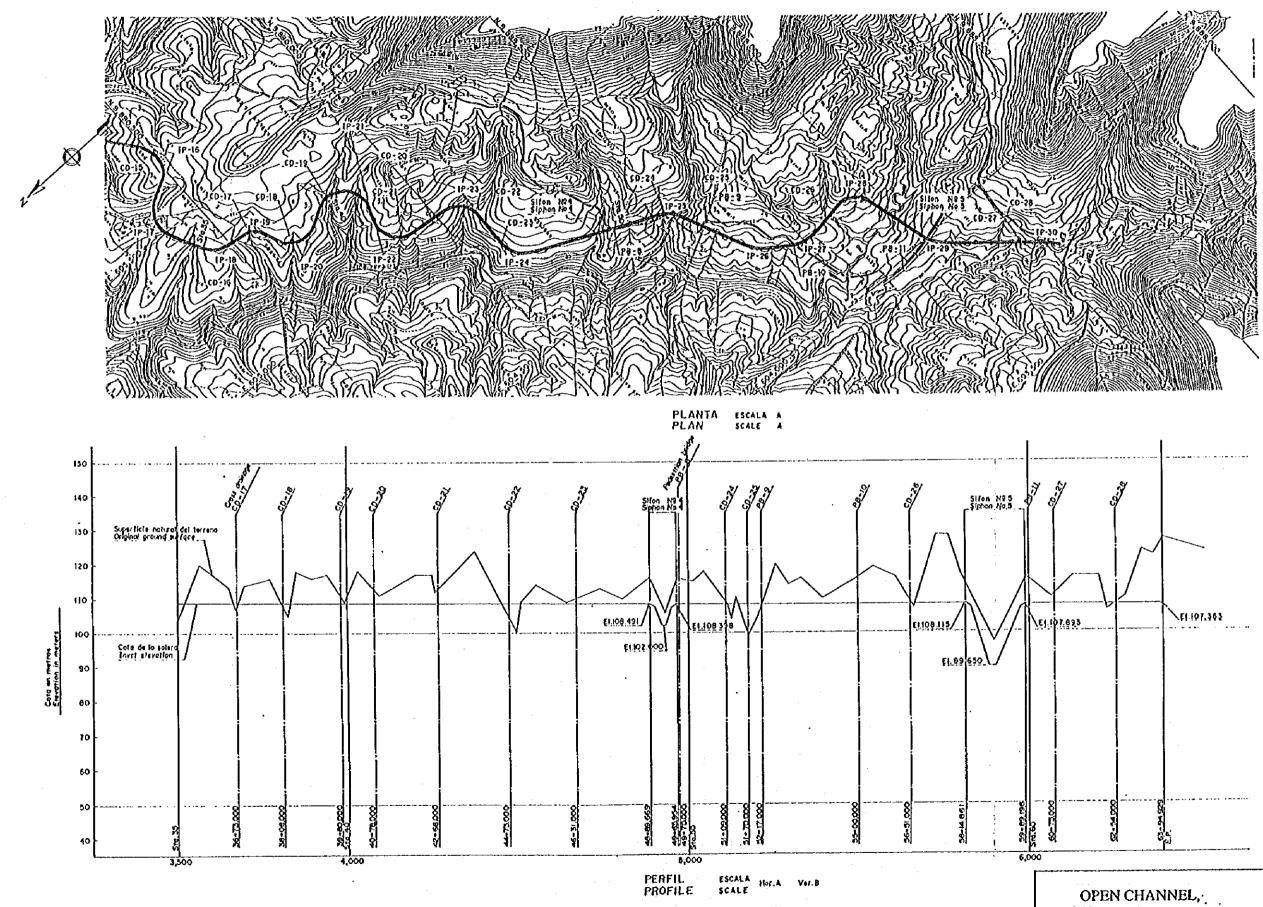


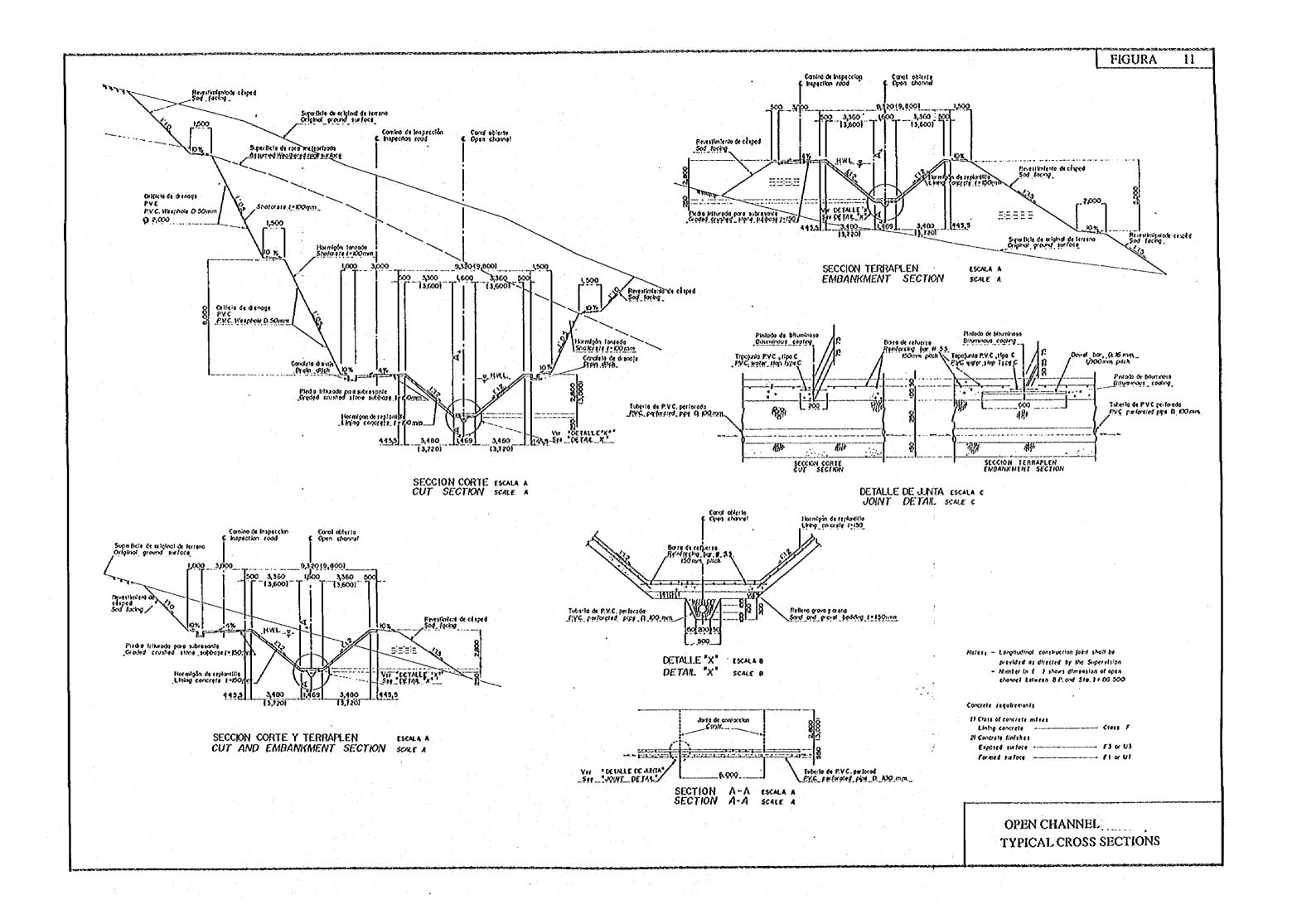
TRANSPORT DISTANCE FOR CONCRETE AGGREGATE

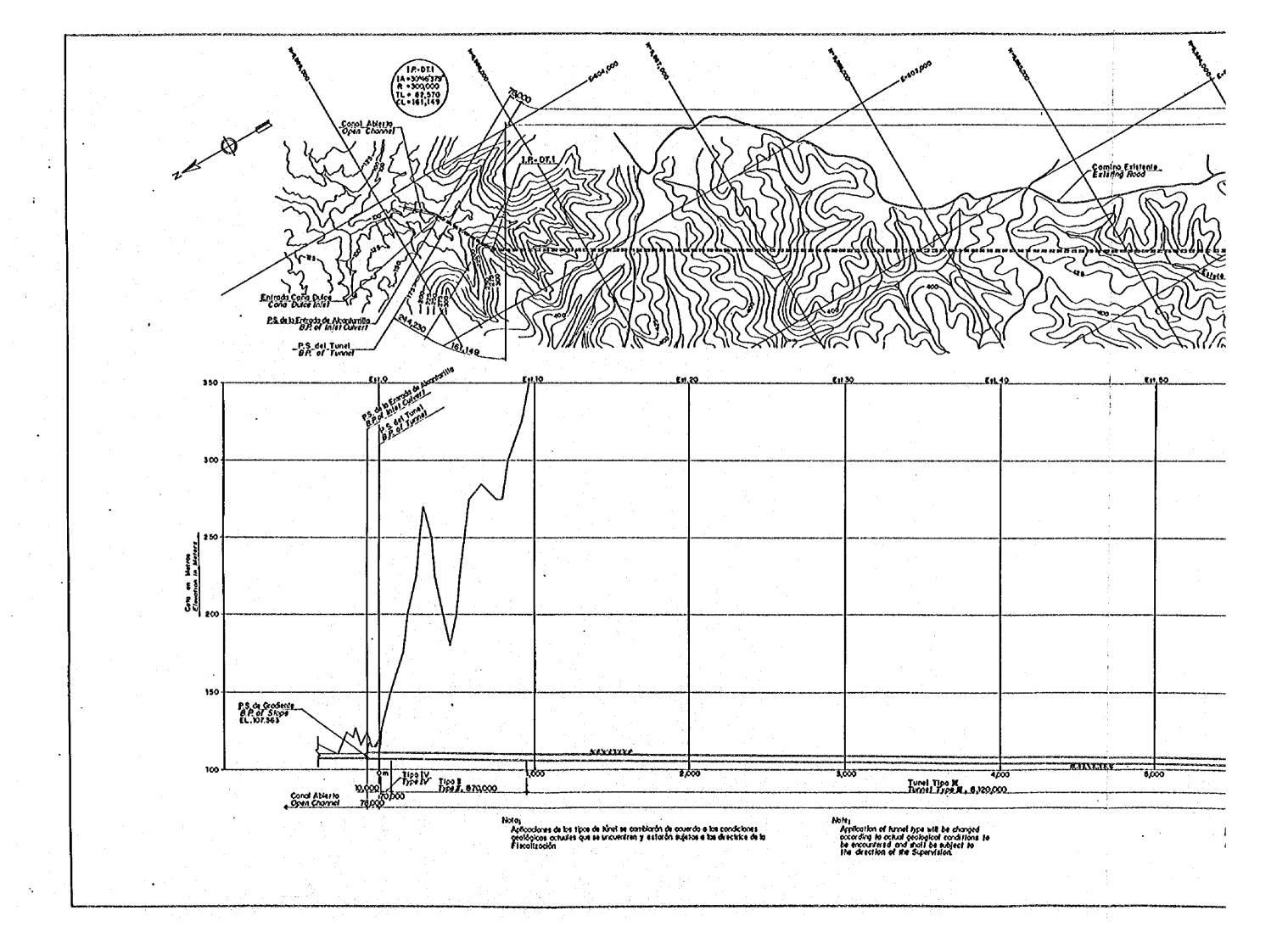


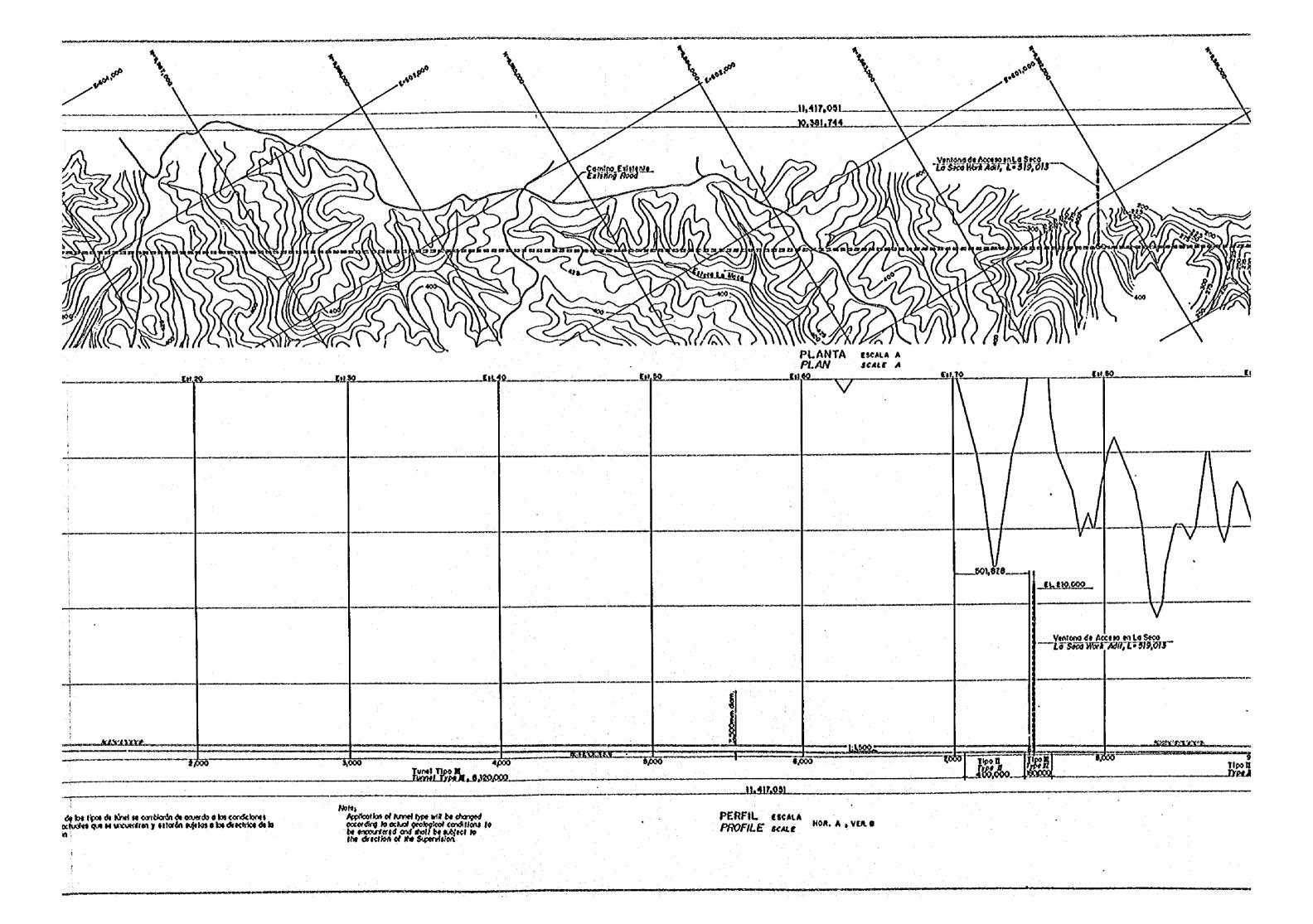


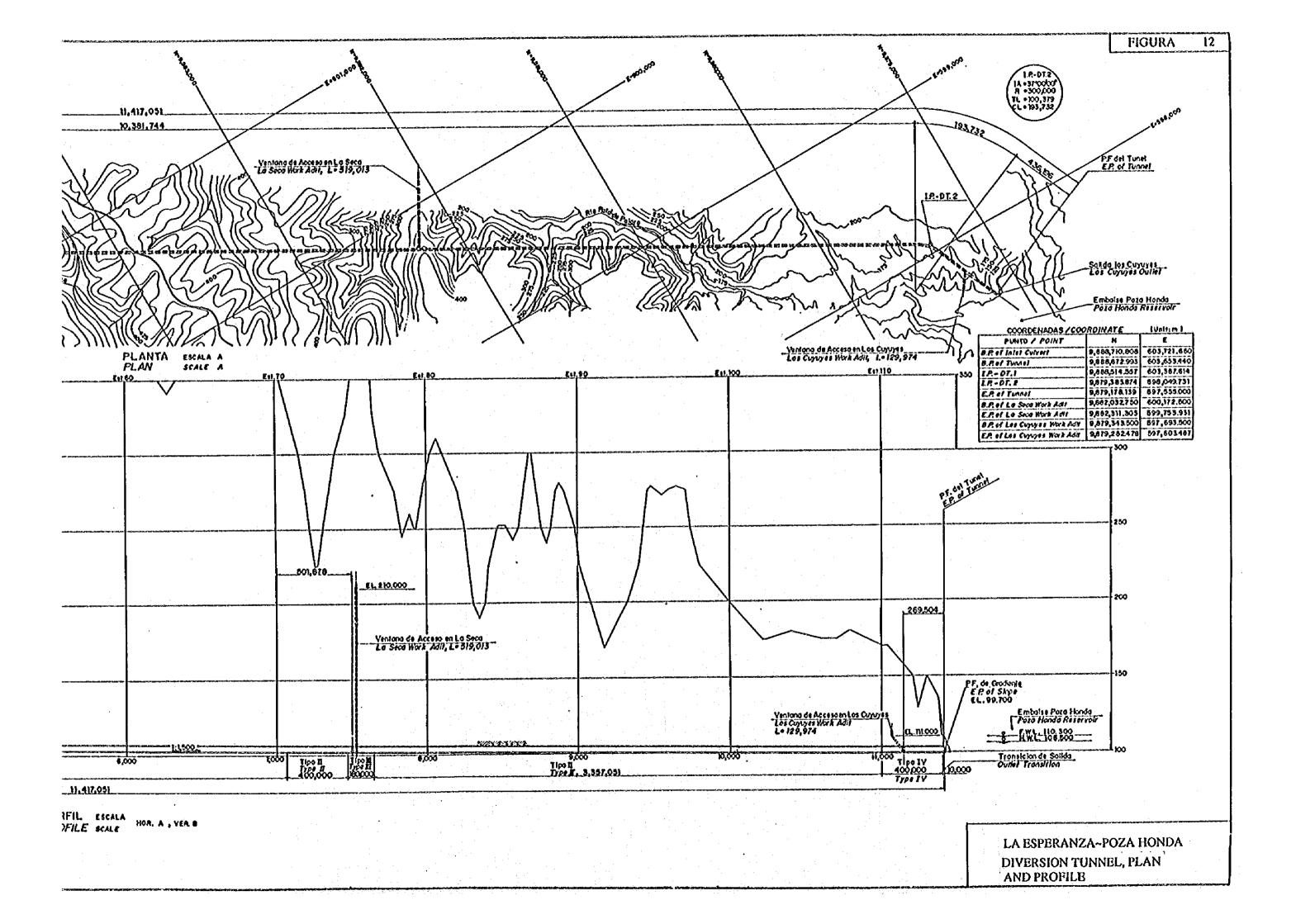
PLAN AND PROFILE(2)

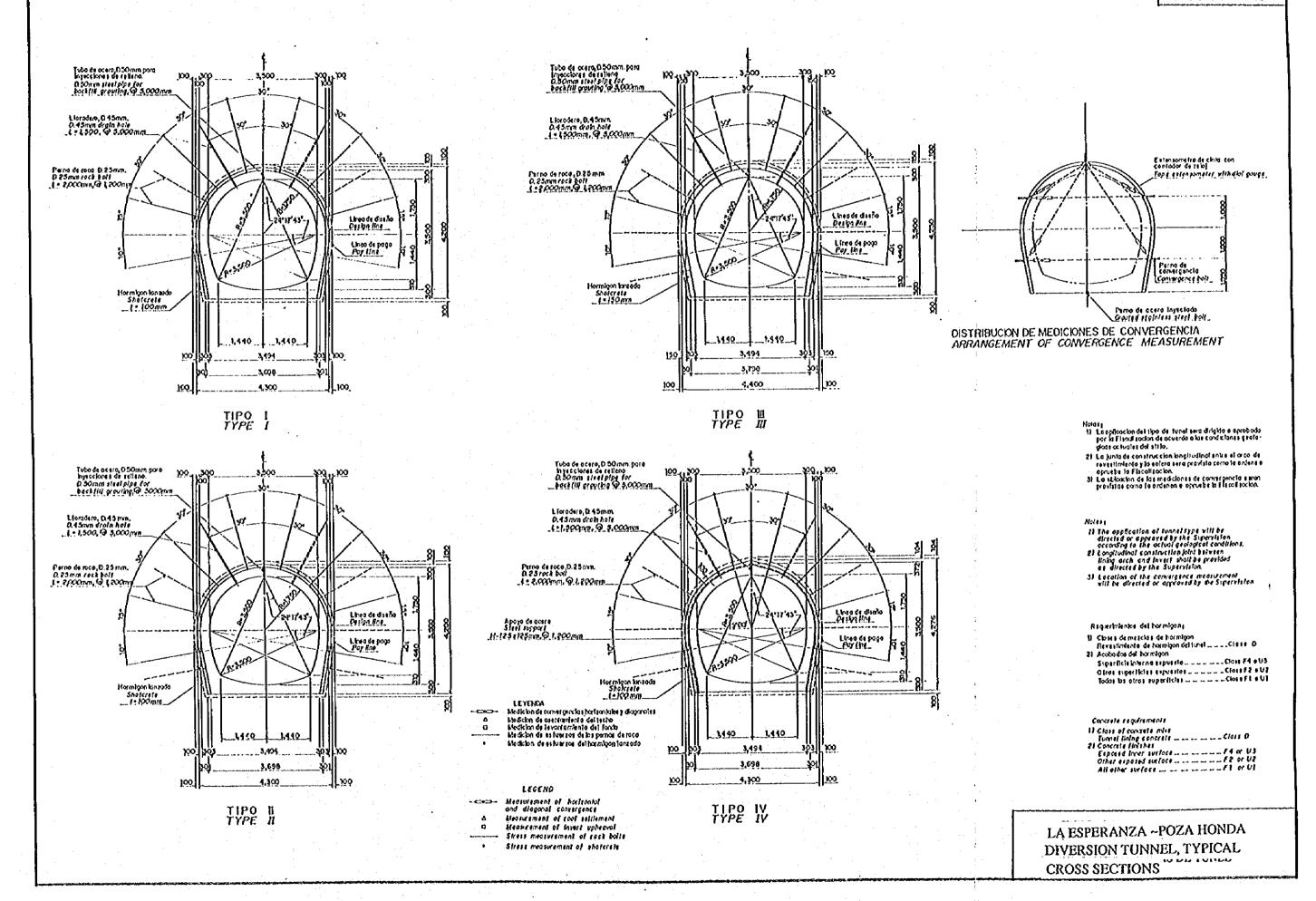


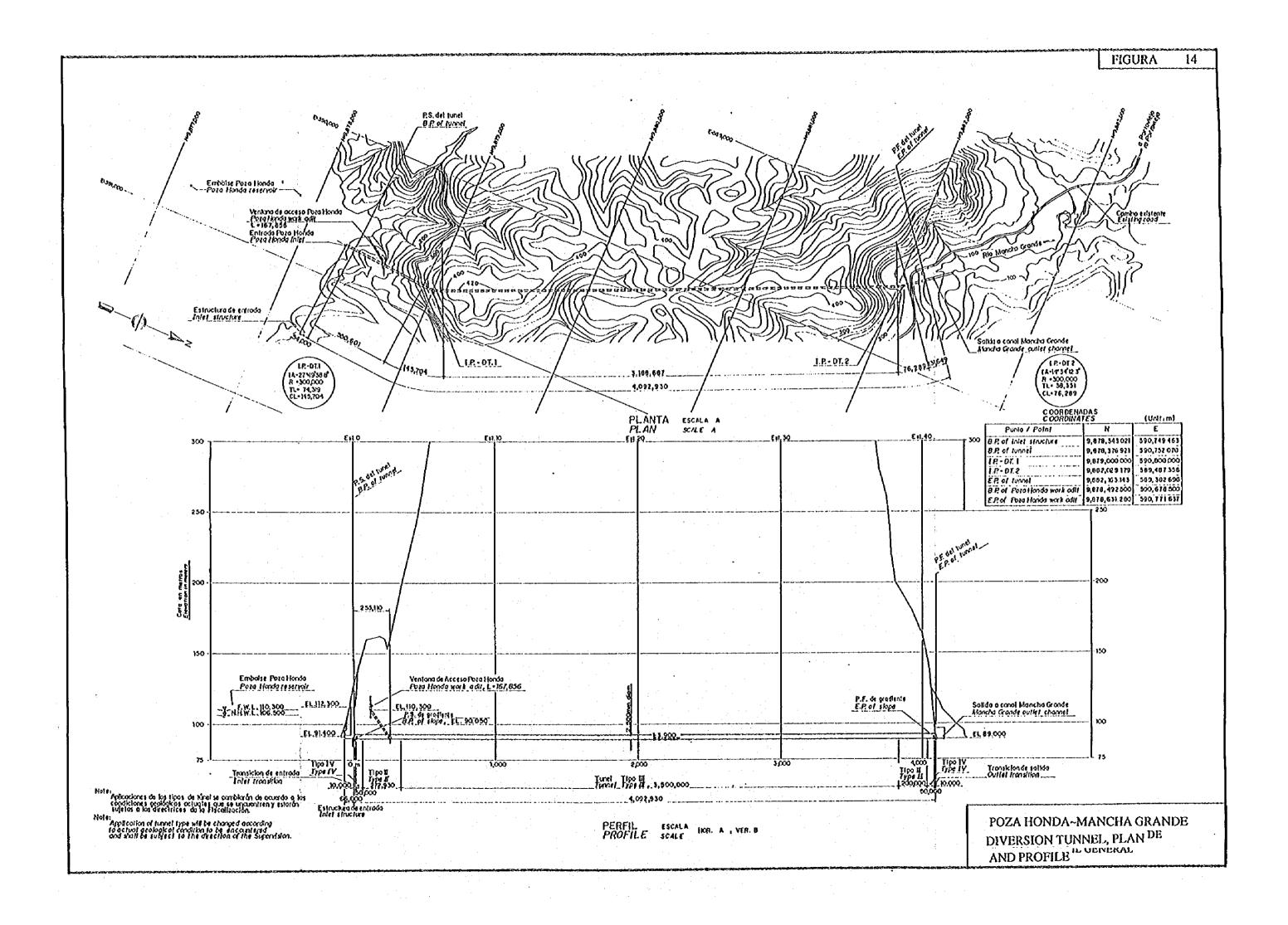




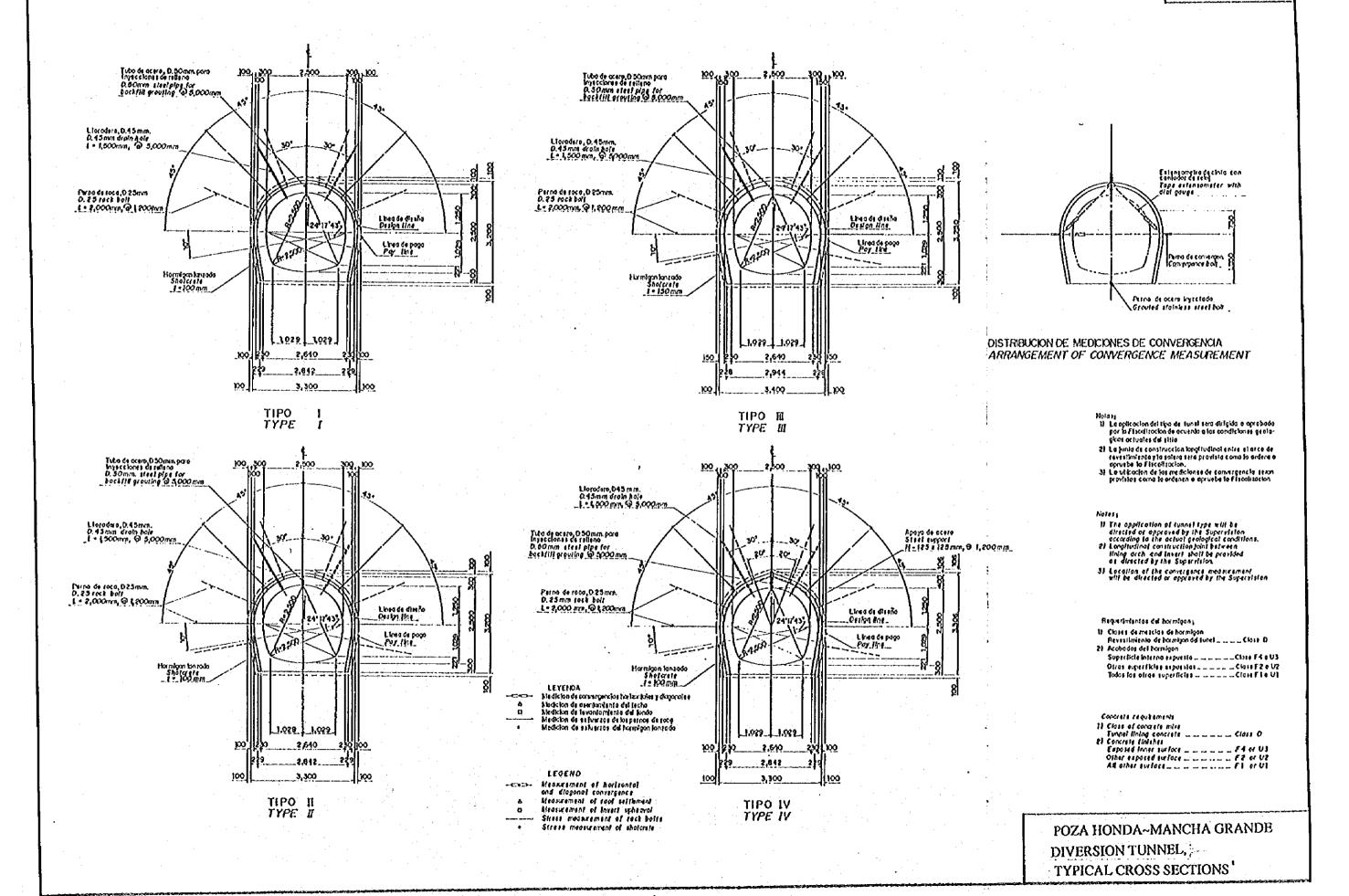












REPUBLIC OF ECUADOR

C R M

Centro de Rehabilitacion de Manabí

WATER TRANSBASIN PROJECT FOR CHONE-PORTOVIEJO RIVER BASINS

CRM-OECF

INTERNATIONAL TENDERING No.____

FOR

CONSTRUCTION OF CIVIL WORKS

PACKAGE 2

LA ESPERANZA~POZA HONDA TRANSBASIN AND POZA HONDA~MANCHA GRANDE TRANSBASIN

(PART II)

PRE-QUALIFICATION FORMS
GENERAL REQUIRED INFORMATION

DECEMBER 1994

The necessary information to be submitted by the Applicants for the Pre-Qualification, must be consigned in individual form, for each one of the Construction Firms, whether national or foreign. And in joint form for the Associations, in the respective forms that have been designed for that effect, considering besides the explanatory notes included in determined cases and forms.

The documents must have all their numbered and the original will have the signature of the Legal Representative of the Association in the case the Associations that have been legally constituted, or the signature of the sole Legal Representative when it is being constituted.

The book binding will be done in such a manner that the pages of the documents do not lost and it could be accompanied with any additional illustrative information that the Applicants may consider useful in order to complement its reference. This additional information do not require to have the signature of the sole Legal Representative.

kajog di Propinsi Senskiy de Lejin (de j. 1994), bis ili engli olar

LIST OF THE DOCUMENTS TO BE ATTACHED

No. ORDER

- A. Presentation and Commitment Letter (Form No. 1)
- B. General Data of the Firms (Form No. 2)
- C. Documents that would accredit the Legal Constitution of the Firms or Association and the Nomination of their Legal Representative
- D. Experience and Capabilities in the Execution of Similar Works (Forms Nos. 3, 3A, 3B and 4), attaching Certificate about the Execution Fulfillment issued by the Clients
- E. Personal Data and Experiences of the Directive and Technical Personnel of the Applicant that would be assigned to the Project (Forms Nos. 5, 5A, 5B, 5C and 5D), attaching Curriculum Vitae and Commitment Letter (Forms Nos. 5E and 5F)
- F. List and Characteristics of the Construction Equipment available for the Work (Forms Nos. 6 and 6A)
- G. List of Occasional Sub-contractors (Form No. 7) and General Data of Them (Form No. 7A)
- H. Affiliation Certificate issued by the Construction Chamber, or the Chamber of Commerce or Another Similar Entity of the Country that the Applicant comes from
- I. Certificate of No Pending Debts to the Ecuadorian Institute of Social Security (IESS)
- J. Certificate from the Comptroller's Office on the Fulfillment of the Contracts
- K. Certificate from the Company's Superintendence
- L. Certificate from the Ministry of Finances about the Amount caused by Concept of the Income Tax for the Year 1995
- M. Solvency Certificate issued by National or Foreign Banks backed-up by Banks domiciled in Ecuador
- N. Financial Statements for the Years 1993, 1994 and 1995, duly audited (Forms Nos. 8 and 8A)
- O. Name of the Bank or Company that will issue the Bond on the Execution of the Contract (Form No. 9)
- P. Total Sales in the Last Ten (10) Years (Form No. 10)
- Q. List of the Stockholder's Structure (Form No. 11)
- R. Declarations and/or Demonstrations
- S. Additional Illustrative Information that the Tenderer considers Useful

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A DESCRIPTATION AND COMMITMENT I ETTER

A. PRESENTATION AND COMMITMENT LETTER

(FORM No. 1)

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The Conference of Artistation, and great are conference on the Conference of the Con

Package 2

PF-3

PRESENTATION AND COMMITMENT LETTER

Gentlemen Centro de Rehabilitación de Manabí Portovicio REF: PRESENTATION AND COMMITMENT LETTER The Subscribed _ (Name of the Legal or Sole Representative) Representative of ___ (Name of the Firm or Association constituted or to be constituted) domiciled in interested to participate in the Tendering No._____, and presents the required documentation, according to the instructions contained in the Pre-Qualification Documents received from CRM, in order to participate in the Pre-Qualification for the Firms for the Construction of Civil Works, Package 2: La Esperanza~Poza Honda Transbasin and Poza Honda~Mancha Grande Transbasin of the Water Transbasin Project for Chone-Portoviejo River Basins. The subscribed representative, acting for and on behalf of _____ (Denomination of the Firm or Association) (1)Declares to have thoroughly examined the Pre-Qualification Documents and accepts to obey to the requirements and demands and other conditions of this Documents. Guarantees the truthfulness and accuracy of all the declarations and answers dine in **(2)** the attached Documents. Authorizes CRM, or to whom it may delegate, to carry out investigations to prove (3)the truthfulness of the declarations and Documents submitted and for obtaining explanations and information about the technical and economical conditions of this Firm or Association.

(4)	Accepts unconditionally CRM's cany claim.	decision about the Pre-Qualification and waives to
(5)	Waives expressly the right to util the Pre-Qualification.	ize the diplomatic ways for any matter related to
(6)		orization that has been granted, counts with ample ecessary transactions for the Pre-Qualification.
"!	Place and date	Legal Representative
ADDF	RESS:	•
NOTE	3:	
In the	case of an Association, include the fo	ollowing paragraphs:
The A	ssociation that presents the document	ation is composed of the following firms:
		EXPECTED SHARE
a. b. c. d.		()% ()% ()% ()%
_	ets that the responsibility of each one sible and solidarity.	of the member Pirms of the Association will be

(7) Please indicate the aspects:	e outline of your	site organization	particularly	for the following
General:				
			•	
			•	
,				
Scheduling:				•
Quality Control:	• .	•		
		•		
		·		•
Safety Control:				
•				
•				
Contract Administration:				
			•	
Records and Reports:				
,				
		·		
Some other particular matte	ers if any:			i e
= france man		•		

3

B. GENERAL DATA OF THE FIRMS

(FORM No. 2)

GENERAL DATA

1

Kind of Firm		
	(Sole Firm, Existing Association	of Firms or to be Constituted)
Denomination of the F	Firm	
Damiaila of the Main	handauartara	
Telephone (s)	headquartersTelex	Fax
Cable Address	Postal Office	Box (PO Box)
Constitution date of th	e Firm:	
Type of Firm:		
Stock Holdin Company Lin In collective r Other (specify	nited name	
Locations of the Filial (specify)	s, Subsidiaries or Branches	
NAME	COMMERCIAL ADDRESS	TELEX, FAX OR P.O. BOX
a	- -	
d		

Firms with which usually celebrates contracts or associates

	NAMES	ADDRESS
· .	· · · · · · · · · · · · · · · · · · ·	
·		
Nominal Capital	:	
•	(Original Currency)	(Equivalent US\$)
Paid-up Capital to 31-12-1993		
	(Original Currency)	(Equivalent US\$)
Paid-up Capital plus legal reserves to 31-12-1993		
)1-12-1993	(Original Currency)	(Equivalent US\$)
Paid-up Capital to 31-12-1994	:	
	(Original Currency)	(Equivalent US\$)
Paid-up Capital Plus legal reserves to		
31-12-1994	:(Original Currency)	(Equivalent US\$)
	(Original Currency)	(Eduivalent 033)
Paid-up Capital o 31-12-1995	:	
,	(Original Currency)	(Equivalent US\$)
Paid-up Capital plus legal reserves to		
31-12-1995	(Original Currency)	(Equivalent US\$)

Adopted exchange rate for the equivalents in		•		
US Dollars		· · · · · · · · · · · · · · · · · · ·		
Field of specialization	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
The number of employees and the last five years	l laborers that ha	we been reckoned	on the full time basis du	orii
1991 Employees No		Laborers No	· · · · · · · · · · · · · · · · · · ·	
1992 Employees No		Laborers No		
1993 Employees No		Laborers No		
1994 Employees No		Laborers No		- -
1995 Employees No		Laborers No	· · · · · · · · · · · · · · · · · · ·	
Address to where CRM could	· · · · · · · · · · · · · · · · · · ·			
(Place and date)	_	 -	(Legal Representative)	

NOTE: In case of Association; fill in the Form with the information of each of the Member Firms.

C. DOCUMENTS THAT WOULD ACCREDIT THE LEGAL CONSTITUTION OF THE FIRMS OR ASSOCIATION AND THE NOMINATION OF THEIR LEGAL REPRESENTATIVE

(ATTACH)

D. EXPERIENCE AND CAPABILITIES IN THE EXECUTION OF SIMILAR WORKS (FORMS Nos. 3, 3A AND 4), ATTACHING CERTIFICATE ABOUT THE EXECUTION FULFILLMENT ISSUED BY THE CLIENTS

(Legal Representative)

EXPERIENCE IN EXECUTION OF SIMILAR WORKS

15	Percentage Cost of the Contract	
14	Value of the Work done with its Own Personnel	
13(2)		
12(2)	Was there a Fine imposed?	
110	Contract completed within Due Term	
10	Contract Deration	
6	Name of the Value of the Engineer Contract or responsible Sub-Contract	
8	Name of the Value of the Engineer Contract or responsible Sub-Contract	
7(2)	If intervene as a member of a Consortium, indicate the functions and percentage of the participation	
6(1)	Description of the part of the work done, that the Firm carried out with its own personnel and its relation with the Project	
5	Project Location	
4	Name of the Project	
3	Contractor's Name	
2	Contract Date	
	No. of Order	

Use additional pages if necessary
 Answer yes or not and give additional explanation if necessary

(Place and date)

(Legal Representative)

FORM No. 3A EXPERIENCE IN THE EXECUTION OF THE MAIN ITEMS OF THE CONTRACT

1

	r		
		Others	
	aterwa	Complementing Works	
		Access Road	
8		Open Channel	
		Mechanical Tunneling	
		Vertical Shafts	
		Pumping Station	
2	L	Contract Price	
m		Name of the Project	

Note: Summarize in the column 2 the values established in the said column.

(Place and date)

Package 2

FORM No. 3B EXPERIENCE IN EXECUTION OF CIVIL WORKS IN GENERAL

15	Percentage Cost of the Contract	
14	Value of the Work done with its Own Personnel	
13(2)	0 %	
12(2)	Was there a Fine imposed?	-
11(2)	Contract completed within Due Term	
10	Contract Duration	
6	Value of the Contract or Sub-Contract	
8	Name of the Value of the Engineer Contract or responsible Sub-Contract	
7(2)	If intervene as a membor of a Consortium, indicate the functions and percentage of the participation	
6(1)	Exerciption of the part of the work done, that the Firm carried out with its own personnel and its relation with the Project	
5	Project Location	
4	Name of the Project	
3	Contractor's Name	
2	Contract Date	
	or Order	

(1) Use additional pages if accessary
(2) Answer yes or not and give additional explanation if necessary

FORM No. 4 SIMILAR WORKS NOT CONCLUDED

1

T

Estimated Due Date	
Established by the Contract Due Date	
Percentage of the Finished Physical Works	
Value of the Works Additional to the Contracted Ones	
Contract or Value of Sub-Contract Finished and Value Billed Part	
Project Value	
Description	
Project Location	
Project Name	
Contract Date	
No. Order	

NOTE: In the case of a Consortium, this form must be filled in with the data of each one of the integrating Firms.

E. PERSONAL DATA AND EXPERIENCE OF THE DIRECTIVE AND TECHNICAL PERSONNEL OF THE APPLICANT THAT WOULD BE ASSIGNED TO THE PROJECT (FORMS Nos. 5, 5A, 5B, 5C AND 5D), ATTACHING CURRICULUM VITAE AND COMMITMENT LETTER (FORMS Nos. 5E AND 5F)

(Legal Representative)

(Place and date)

(1) PERSONNEL DATA OF THE MAIN DIRECTORS OF THE FIRM

1

(President, Board of Directors, Vice-President, Technical Directors and Administrators

	suc	
	Positions	
	ŗ,	
	٠	
⊗	n n	
Year	In Other Firm	
Experience (Years)		
School	Fire	
ă	In the Firm	
-		
	Years of Practice	
ssior	ጆፚ	
Profession	e)	
	Title	
-	<u>.</u>	
	Specialization	
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	Language	
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	Age	
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	Nationality	
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	Name	
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ANNEX: CURRICULUM VITAE for each person on the list NOTE: In the case of a Consortium, this form must be filled in with the data of each one of the integrating Firms.

(Legal Representative)

(Place and date)

(2) PERSONNEL DATA OF TECHNICIANS CONSIDERED MOST IMPORTANT AND THAT WORK FULL TIME IN THE FIRM

	Positions	
	Access Road	
ce (Years)	Open Channel	
Construction Experience (Years)	Inlet Structure	
Constructi	Diversion Tunnel	
	Pumping Station	
Sion	Years of Practice	
Profession	University Title	
3	Specialization	
	Language	
	Age	
	Nationality	
	Name	

ANNEX: CURRICULUM VITAE for each person on the list NOTE: In the case of a Consortium, this form must be filled in with the data of each one of the integrating Firms.

(Legal Representative)

(3) PERSONNEL DATA HIGH LEVEL CONSULTANTS AND THAT WORK OCCASIONALLY IN THE FIRM

	sus	
	Positions	
	д,	
	Access Road	
	ĕΨ	
<u>છ</u>	nc.	
ස (ද	Open Channel	
ence		
xperi	Inlet Structure	
ion E	St	
Construction Experience (Years)	sion nel	
ပိ	Diversion Tunnel	
	Pumping Station	
	P _U	
	Years of Practice	
sion	Year	
Profession	ity.	
<u>C</u> .	University Title	
-		
	zatio	
	eciali	
	e Sp	
	Language Specialization	
	Age	
	Nationality	
-	Ż	
	Name	
	Ž	
L_		

ANNEX: CURRICULUM VITAE for each person on the list NOTE: In the case of a Consortium, this form must be filled in with the data of each one of the integrating Firms.

(Place and date)

Package 2

(Legal Representative)

FORM No. 5C

(4) LIST OF THE KEY TECENICAL PERSONNEL THAT WOULD BE IN CHARGE OF THE WORKS IN THE MAIN OFFICES OF THIS PROJECT

	, ,	Positions	
		Access	
	ce (Years)	Open Channel	
	Construction Experience (Years)	Inlet Structure	
.	Constructi	Diversion Tunnel	
		Pumping Station	
	Profession	Years of Practice	
;		University Title	
		Nationality Age Language Specialization	
		Language	
		Age	
		Nationality	
		Name	

ANNEX: CURRICULUM VITAE for each person on the list NOTE: In the case of a Consortium, this form must be filled in with the data of each one of the integrating Firms.

(Place and date)

Package 2

FORM No. 5D

(5) LIST OF THE TECHNICAL PERSONNEL THAT WILL WORK IN THE WORKS SITE OF THIS PROJECT

	Suc	
١	Positions	
	<u>۾</u>	
	8 70	
	Access	
1	<u> </u>	
1	i i i	
{	Open Channel	
	3	
	Inlet	
ا ا	Inlet	
	3├	
	Diversion Tunnel	
R		
	80 0	
	Pumping Station	
	P. S.	
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۱,	Years of Practice	
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	is ity	
	University Title	
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	ciali	
	Language Specialization	
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	Ago	
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	Nationality Age	
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	Name	
	-	
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ANNEX: CURRICULUM VITAE for each person on the list NOTE: In the case of a Consortium, this form must be filled in with the data of each one of the integrating Firms.

(Place and date)

(Legal Representative)

Package 2

SAMPLE OF THE CURRICULUM VITAE FOR THE TECHNICAL PERSONNEL OF THE FIRM THAT WILL BE ASSIGNED FOR THE EXECUTION OF THE PROJECT

Full Name:				 		
Age:		(years)	Nationa	ality:		
University Title (a	attach diplomas	s), Special	ization (attach diplo	mas):	
Professional Expe	erience:	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Year	s:	
Will work on (fiel		•				
Language:	S WELL		AIR	WEL	WRITE L FA	AF
.	()	()	()	()
Actual Position in	the Firm:					
Years of Activity	in the Firm:					
Brief summary of	the functions a					
Work Experience	in other firms (or institutio	ons, indi	cate in the l	last 10 years:	
	Age: University Title (and Professional Expensional Expensi	Age:	University Title (attach diplomas), Specials Professional Experience: Will work on (field of activity): Language: SPEAK WELL F () (() (()) Actual Position in the Firm: Years of Activity in the Firm: Work Experience in the Firm: Brief summary of the functions and response Work Experience in other firms or institution OF THE ENTITY ACTIVITY	Age:	University Title (attach diplomas), Specialization (attach diplo Professional Experience: Year Will work on (field of activity): Language: SPEAK WELL FAIR WEL () () () () () Actual Position in the Firm: Years of Activity in the Firm: Brief summary of the functions and responsibilities: Work Experience in other firms or institutions, indicate in the I OF THE ENTITY ACTIVITY FROM	Age:

11.	Brief description of the works executed in relation with the activity field in the Item 5, indicating the related activities and execution period:
12.	Description of other jobs executed related directly to the scope of the woof the present tender, indicating Executing Agency and execution period:
13.	Technical associations membership:
14.	Published technical works in the related field to this Tender:

T

1

COMMITMENT LETTER FOR THE DIRECTIVE AND/OR TECHNICIANS THAT WILL BE ASSIGNED TO THE EXECUTION OF THE PROJECT

Place and date
I,
with the specialization of,
I commit myself during the period of
To provide my professional services in the activity of
The Construction of the Civil Works, Package 2: La Esperanza~Poza Honda Transbasin and Poza Honda~Mancha Grande Transbasin of the Water Transbasin Project for Chone Portoviejo River Basins.
Signatures of the Directive and/or the Technicians

F. LIST AND CHARACTERISTICS OF THE CONSTRUCTION EQUIPMENT AVAILABLE FOR THE WORK (FORMS Nos. 6 AND 6A)

(Legal Representative)

(Place and date)

FORM No. 6 LIST OF MACHINERY AND EQUIPMENT OF HIS PROPERTY THAT WILL BE USED IN THE CONSTRUCTION

S	
Remarks	
Actual Location of the Equipment	
Limit Date that Equipment will go in Service of Work	
Years of Service	
Equipment Actual Condition	
** Potency	
* Capacity	
No. of Series	
Manufacturer or Make	
Name and Type of Machinery	
No. of Order	

Package 2

In units of Volume per Time UnitsIn H.P.

(Legal Representative)

FORM No. 6A LIST OF MACHINERY AND EQUIPMENT THAT WOULD PURCHASE OR RENT FOR THE CONSTRUCTION

1

Remarks	
Actual Location of the Equipment	
Manufacturer or Company to which the Equipment will be bought	
Limit Date that Equipment will go in Services of Work	
Years of Service	
Equipment Actual Condition	
** Potency	
* Capacity	
No. of Series	
Manufacturer or Make	
Name and Type of Machinery	
No. of Order	

In units of Volume per Time Units
 In H.P.

G. LIST OF OCCASIONAL SUB-CONTRACTORS (FORM No. 7) AND GENERAL DATA OF THEM (FORM No. 7A)

LIST OF OCCASIONAL SUB-CONTRACTORS IN THE CONTRACT

1

The Applicants declares that he will work with the following Sub-contractors for the works indicated respectively.

NAME	CONTRACTING FIELD
(Indicate the name of each Sub-co	ontractor and his respective jobs)
(Place and date)	(Legal Representati

SUB-CONTRACTOR'S GENERAL DATA

1. Legal Denomination of the Sub-Contractors:				
2. Domicile and	1 Main Address:			
		•		
3. Constitution	Date of the Firm:			
(Place)	(Day)	(Month)	(Year)	
4. Nominal Cap	oital: (Original currency)	(U	S\$)	
Paid-up Capital to 31-12-1995	· · · · · · · · · · · · · · · · · · ·			
	(Original currency)	(U	S\$)	
Paid-up Capital plus legal reserves to 31-12-1995				
	(Original currency)	(U	S\$)	
5. Field of Spec	ialization:			
		· · · · · · · · · · · · · · · · · · ·	<u> </u>	
	<u>, , , , , , , , , , , , , , , , , , , </u>			

1.

Package 2

(Legal Representative)

(Place and date)

100						
SUBCONTI	RACTOR'S G	ENERAL DA	ra			
SUB-CONT	RACTOR*_					
PART A:		L DATA OF T A FULL TIME	THE KEY TECH BASIS	INICIANS TH	AAT WOR	K IN THE
		CONST	RUCTION EXPE	DIENCĖ (VEA	P6/	
POSITION		DIVERSION	INLET STRUCTURE	OPEN	ACCESS	OTHERS
NAME	AGE S	SPECIALIZAT	ION		. '	
PART B	LIST OF T WORKS AT	HE TECHNICA	AL PERSONNEI		ILD WORK	ON THE
		CONSTR	RUCTION EXPE	RIENCE (YEA	RS)	
POSITION			INLET STRUCTURE			OTHERS
NAME AG	E LANGUAG	GES SPECIAL	IZATION			•
PART C	EXPERIEN	CE IN SIMILA	R WORKS TO T	HE WORKS T	O BE SUBI	LET
NAME OF T	THE PROJEC	T CONTR	ACT PRICE		Y OF THE ANT ITEM:	
(Pla	ce and date)		<u>-</u>	(Legal Re	epresentativ	re)

H. AFFILIATION CERTIFICATE ISSUED BY THE CONSTRUCTION CHAMBER, OR THE CHAMBER OF COMMERCE OR ANOTHER SIMILAR ENTITY OF THE COUNTRY THAT THE APPLICANT COMES FROM (ATTACH)

1

I. CERTIFICATE OF NO PENDING DEBTS TO THE ECUADORIAN INSTITUTE OF SOCIAL SECURITY (ATTACH)

J. CERTIFICATE FROM THE COMPTROLLER'S OFFICE ON THE FULFILLMENT OF THE CONTRACTS (ATTACH)

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K. CERTIFICATE FROM THE COMPANY'S SUPERINTENCE (ATTACH)

L. CERTIFICATE FROM THE MINISTRY OF FINANCES ABOUT THE AMOUNT CAUSED BY CONCEPT OF THE INCOME TAX IN THE YEAR 1995 (ATTACH)

M. SOLVENCY CERTIFICATE ISSUED BY NATIONAL OR FOREIGN BANKS BACKED-UP BY BANKS DOMICILED IN ECUADOR (ATTACH)

N. FINANCIAL STATEMENTS FOR THE YEARS 1993, 1994 AND 1995, DULY AUDITED (FORMS Nos. 8 AND 8A)

CONSOLIDATED BALANCE SHEET (TO DECEMBER 31, 1995, 1994, 1993)

			All the values equivalents in US\$ (type of exchange I US\$ =)
ASSI	ETS	·	
A.	CURRENT ASSETS:		
1. 2. 3. 4.	Cash on hands	\$ \$ \$ \$ \$ (Subtotal of 5)	\$ \$ \$ \$
	Total Current Assets		\$
В.	FIXED ASSETS:		
1. 2. 3. 4. 5.	Construction cost Land		\$ \$ \$ \$ \$ \$

1

(Place and date)	(Legal Representative
Certified by	Certified Public Accountant
	Additional ce according to 4.2 of the Qualification it has been p in a foreign co

This form also applies to the Parent Firms of an Association.

All the values equivalents in

PROFIT AND LOSS STATEMENT (TO DECEMBER 31, 1995, 1994 AND 1993)

1

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			US\$ (type of exchange 1
			US\$ =)
1.	Revenues		\$
2.	Construction Cost		·
a.	Finished Works	\$	
b.	Works in Execution	\$	
•	(Subtotal a + b)	\$	
	Gross Profit/Loss (1-2)	\$	
	0.00011011025000 (1 2) 111111111	<u> </u>	
3.	Operation Expenses		
•	Sales expenses		
		\$	
		\$	
		\$	
	***************************************	\$	
	****************	\$	
a.	Total of sales expenses	\$	
a.	General and administration	9	
	·	•	
	expenses	\$	

		\$	
		\$	
		\$	
b .	Total of general and	•	
	administration expenses	\$ <u>.</u>	
	m 1 40 1 n	+	
	Total of Operation Expenses		
	(subtotal a + b)	\$	
	N . D . C . II . C		
	Net Profit/Loss of		
	operation, before taxes		N

	(Place and date)	(Leoal Re	presentative)
		·	
-			
**	After taxes		\$
	Net Profit/Loss,		
	Taxes		\$
	Taxes		\$
	Net Profit/Loss, before taxes		
	(Subtotal)		\$
		\$	
	***************************************	\$	
		\$	
		\$	
5.	Other Expenses	\$	
	(Subtotal)		\$
	****	\$	
	••••••	\$	
	•••••	\$	
	*************	\$	
•	***************	\$	
4.	Other Revenues		

This form also applies to the Parent Firms of an Association.

O. NAME OF THE BANK OR COMPANY THAT WILL ISSUE THE BOND ON THE EXECUTION OF THE CONTRACT (FORM No. 9)

FORM No. 9

Name of the bank or company that w Contract	ill issue the policy bond for the execution of the
(Place and date)	(Legal Representative)

P. TOTAL SALES IN THE LAST TEN (10) YEARS (FORM No. 10)

TOTAL SALES IN THE LAST TEN (10) YEARS, IN THE EQUIVALENT IN US DOLLARS

Αll	line	yan	ues
in	equi	ivale	nts
in	US	\$ (t <u>)</u>	/pe
of	ęх	char	ıge
rat	e I	US\$	> =
)	

FISCAL YEAR	TOTAL VALUE	EQUIVALENT IN US\$
(Place and date)		(Legal Representative)

This form also applies to the Parent Firms of an Association.

Q. LIST OF THE STOCKHOLDER'S STRUCTURE (FORM No. 11)

LIST OF THE STOCKHOLDER'S STRUCTURE

	No.		NATIONALITY OF THE STOCKHOLDER	PERCENTAGE OF SHARES	REMARKS
•	<u></u>				
				· · · · · · · · · · · · · · · · · · ·	
	<u> </u>				
)	·				
		(Place and date)		(Legal Represe	entative)

This form also applies to the Parent Firms of an Association.

R. DECLARATIONS AND/OR DEMONSTRATIONS (ATTACH SUBSCRIBED LETTERS BY THE LEGAL REPRESENTATIVE CONTAINING THE DECLARATIONS AND/OR DEMONSTRATIONS REQUESTED IN CLAUSE 4.2 OF THE "PREQUALIFICATION BASES")

S. ADDITIONAL ILLUSTRATIVE INFORMATION THAT THE TENDERER CONSIDERS USEFUL (ATTACH)

REPUBLIC OF ECUADOR

CRM

Centro de Rehabilitacion de Manabí

WATER TRANSBASIN PROJECT FOR CHONE-PORTOVIEJO RIVER BASINS

CRM-OECF

INTERNATIONAL TENDERING No. ____

FOR

CONSTRUCTION OF CIVIL WORKS

PACKAGE 2

LA ESPERANZA~POZA HONDA TRANSBASIN AND POZA HONDA~MANCHA GRANDE TRANSBASIN

EVALUATION CRITERIA
FOR
PRE-QUALIFICATION

MARCH 1995

EVALUATION CRITERIA

CRM CENTRO DE REHABILITACION DE MANABI

WATER TRANSBASIN PROJECT FOR CHONE-PORTOVIEJO RIVER BASINS

CRM - OECF

INTERNATIONAL TENDERING No. ______ FOR CONSTRUCTION OF CIVIL WORKS

PACKAGE 2

LA ESPERANZA~POZA HONDA TRANSBASIN AND POZA HONDA~MANCHA GRANDE TRANSBASIN

1. GENERAL

1.1 Procedure

The Applicants shall be examined by means of scoring system (100 points full mark).

For being qualified, minimum 60 points are necessary. In case that the number of qualified Applicant is less than three, the Pre-Qualification procedure will be made again in a little bit different form.

1.2 Principles for Association

For scoring, for which 22 items categorized into three have been prepared as indicated Sections 3 and 4. Score for the Association shall be computed as follows:

- (1) All member firms shall be examined item by item and scores for respective categories shall be computed.
- (2) For computation of total score, the weighted average will be attained by category in accordance with the percentage in which each member firm participates and will be totalized.

2. ELIGIBILITY

CRM has full right without giving any justification to disqualify any Applicant that, at CRM's discretion, is not acceptable to the CRM in his opinion to be substantial. In this context, the Applicant shall fulfill the following requirements that an Applicant and/or any member firm of the Association has not overdue debt of any kind toward the Revenue Authorities and the Customs of the Ecuadorian Government.

Only the Applicants who suffice the above shall be examined by means of counting systems.

3. ITEMS EVALUATED AND DISTRIBUTION OF SCORES

There are 22 items, which can be categorized into three, to be evaluated for the Pre-Qualification of Tenderers. Distribution of scores for respective items as well as those of categories are as follows:

		Score Distributed	Minimum Requirement Observation
Α.	Engineering Data	<u>50</u>	30
(1)	Key Personnel	4	
(2)	Pumping Station, Diversion Tunnel,		
	Inlet Structure, Open Channel and		
	Access Road	10	
(3)	Corresponding Works to the Most		
(-)	Important Items of Tendering	10	化磁性性流光学生 人名英格兰
(4)	Civil Engineering Works	10	
(5)	Back-up Support	4	and the same and the same series
(6)	Sub-Contractors	4	
(7)	Project Organization	4	Commence of the Complete of the Com-
(8)	Equipment	4	in the state of th
в.	Financial Data	<u>30</u>	
(1)	Total Assets	3	
(2)	Sales	3	er i hang bergeler et e
(3)	Total Assets/Profit Ratio		(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
(4)	Growth in Financial Aspects	5	
(5)		an 1 1 6 6 6 6 6	KARAN METERSON STATE
(6)	Soundness	8	
(7)	Bank's Declaration	2	
()		er ja kāuts	Janes Harry Garage College
C.	Campany Data	20	3 (12) (12) (13) (13)
(1)	* · * · · · · · · · · · · · · · · · · ·		To Alberta
` '			

. * *	Number of Employee	4
(2) :	Scientific Support	2
(3)	Experience in Ecuador	4
(4)	Experience in Central/South America	2
(5)	Experience in Other Countries of the World	2
(6)	Branches in Ecuador or Association	
	with Ecuadorian Firm(s) or Association with	
	Ecuadorian Firm(s)	2
(7)	Ability for Maintaining Work Schedule	4
1.	EVALUATION METHOD	

4.1 Overall Discussion

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The evaluation of Pre-Qualification Questionnaire will be made in accordance with the Applicant's scale of business, past performances, financial capacity, etc.

CRM considers that first of all the Applicant's engineering data mainly composed of past performance in the similar fields and the outline of the Applicant's project appreciation should be examined and further consider that this component should be the most important factors of the evaluation, since CRM should not qualify the Applicant whose experience is poor or whose engineering aspect is not attractive.

Thus, 50 points will be awarded to the Category A, Engineering Data, taking account of its importance and various precedents involved in.

The other aspects to be examined are the Category B, Financial Data, and the Category C, Company Data. The former consists of various financial parameters world-widely used and the relation between the Applicant and a bank, with which the Applicant ought to have had business. The latter is composed of some other aspects in business, degree of familiarity with Ecuador and Central/South America and world-wide, regional or local reputation.

Thus, 30 points will be awarded to the Category B, Financial Data, and 20 points will be awarded to the Category C, Company Data, taking account of magnitude of its importance and the balance of three categories as well as various precedents involved in.

4.2 Detailed Discussion for the Engineering Data

4.2.1 Distribution of Scores and the Points aimed at

In the Category A, Engineering Data, eight items are to be evaluate; three items, i.e. (2), (3) and (4), are related to the Applicant's experience or past performance. And three items, i.e. (5), (6) and (7), are related to the site organization proposed or envisaged by the Applicant himself. Remaining two, i.e. (1) and (8), are personnel expected to be engaged in and equipment mobilization. The reasons why such points are taken up and such score are given are as follows:

- The Category A is prepared for examining the Applicant's past performance in the similar fields and the outline of his project appreciation. Out of eight items in the Category A, three (3) items inquire the Applicant past performance. While, with three items and two items which are related to the proposed organization and arrangement of the personnel and equipment, respectively, it may be possible to know the degree of the Applicant's project appreciation and his enthusiasm.
- (2) For clarification of the Applicant's experience, exhibition of actual past performance certified with the completion certificate by the Employer is the best way.

For the same purposes, the works being undertaken by the Applicant himself will also be examined. Major points to be examined are determined taking account of the nature of works included in this Project.

(3) For examining the Applicant's understanding about the Project and knowing the degree of his interest, two items with which the Applicant's basic key personnel arrangement and the way of equipment mobilization can be seen, and three items through which the Applicant's capability of the site organization or his skillfulness of the work organization can be seen, are provided.

4.2.2 Scoring

(1) Key Personnel

For smooth construction management, certain kinds of key personnel become indispensable. With regard to the position proposed in this Contract, it is desirable that out of the following or the like, at least five are referred by the Applicant, fulfilling the minimum requirement for each.

	Position to be Referred	Minimum Requirement
(a)	Project Manger	Age: 35 years or more Experience: 15 years
(b)	Chief Engineer for the engineering	
	works (or Deputy Project Manager)	Experience: 10 years
(c)	Chief Construction Engineer	Experience: 10 years
(d)	Chief Tunnel Engineer	Experience: 10 years
(e)	Chief Design Engineer	Experience: 8 years
(f)	Chief Topo. surveyor	Experience: 8 years
(g)	Chief Mechanic	Experience: 8 years
(h)	Chief Quantity Surveyor	Experience: 8 years
(i)	Chief Concrete Engineer	Experience: 8 years
(i)	Chief Electrical Engineer	Experience: 8 years
(k)	Chief Mechanical Engineer	Experience: 8 years
(1)	Chief Accountant	Experience: 8 years
(m)	Personnel Manager	Experience: 10 years

Por each position proposed, full mark of four thirteenth (4/13) points will be given, if minimum requirement is sufficed.

Points given = X * 4/13

X= Sum of the points of satisfied positions

电磁气管线电影 医电影电话 化电影电影 计电影管 医

(2) Pumping Station, Diversion Tunnel, Inlet Structure, Open Channel and Access Road

To have carried out within the last five (5) years construction of work of similar technical characteristics as follows:

- (a) For an amount between sixty five (65) million and seventy (70) million US Dollars or the equivalent, 4 points will be awarded.
- (b) For an amount between seventy (70) million and seventy five (75) million US Dollars or the equivalent, 6 points will be awarded.
- (c) Por an amount between seventy five (75) million and eighty (80) million US Dollars or the equivalent, 8 points will be awarded.
- (d) For an amount equal or larger than eighty (80) million US Dollars or the equivalent, 10 points will be awarded.
- (3) Corresponding Works to the Most Important Items of Tendering

To have carried out within the last five(5) years works corresponding to the most important items of the Tendering (see Form No. 3A):

- (a) For an amount between seventy (70) million and seventy five (75) million US Dollars or the equivalent, 4 points will be awarded.
- (b) For an amount between seventy five (75) million and eighty (80) million US Dollars or the equivalent, 6 points will be awarded.
- (c) For an amount between eighty (80) million and eighty five (85) million US Dollars or the equivalent, 8 points will be awarded.
- (d) For an amount equal or larger than eighty five (85) million US Dollars or the equivalent, 10 points will be awarded.
- (4) Civil Engineering Works

To have carried out within the last five (5) years civil engineering works in general, other than the works included in the above Items (2) and (3), for the amount specified as follows:

- For an amount between seventy five (75) million and eighty (80) million US (a) Dollars or the equivalent, 4 points will be awarded,
- For an amount between eighty (80) million and eighty five (85) million US Dollars (b) or the equivalent, 6 points will be awarded.
- For an amount between eighty five (85) million and ninety (90) million US Dollars (c) or the equivalent, 8 points will be awarded.
- For an amount equal or larger than ninety (90) million US Dollars or the equivalent, (d) 10 points will be awarded.

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(5) Back-up Support

The following points will be given:

Back-up Support from the Applicant's Head Office (a)

> Technical matters 2 points 2 points Administrative matters points Some other matters

Back-up Support from some other firm(s) or the consultant(s) (b)

Technical matters 1 points Administrative matters 1 points Some other matters 1 points

Points awarded = X/8 * 4

X = Total points for the types of support

Sub-Contractors (6)

Modernized construction works often require the presence of Sub-contractor(s), since the every contractor, excepting very large scale of the contractor who can hold various kinds of particularized field in his company, has been trying to have specialized field for competing. In case of this Contract, the requirement of the Sub-contractor(s) may be more intensified owing to very wide contractual requirements. Therefore, scoring is made in the following Section of the property of the manner:

If the Applicant intend to use any Sub-contractor in a percentage larger than 10%, (a) these will be evaluated in function to the amounts and the Works proposed to execute:

in the first of the following and the first Alberta decides all

Solvency	1 point
Similar Works	1 point
Experience in the main activities to execute	1 point
Experience in Ecuador	1 point

(b) In case that the Applicant does not intent to use any Sub-contractor, the points will be given in proportion of the points obtained by the company according to Clause 3.A, (Items (1) to (8), except (6)); of which maximum points are 46, that will correspond to 4 points.

(7) Project Organization

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For each item mentioned below, the following points will be given, in accordance with the degree of appropriateness of the description upon Form No. 1:

Aspect	Max,	Medium	Min.
General	0.4	0.3	0.1
Scheduling	0.8	0.5	0.3
Quality Control	0.8	0.5	0.3
Safety Control	0.8	0.5	0.3
Contract Administration	0.4	0.3	0.1
Records and Report	0.4	0.3	0.1
Some other particular matters	0.4	0.3	0.1

(8) Equipment

For each category; earth-moving works, concrete works, topo. survey works, various equipment for quality control, workshop equipment, at least two items should be described. (Ownership, the number of equipment, output of equipment, etc. will not be objective of scoring, since neither work items nor quantities are known.). Each category that should include more than two items will be given 0.8 (eight tenths). In case, one item only is there, score becomes a 0.4 (four tenths).

4.3 Detailed Discussion for the Financial Data

4.3.1 Distribution of Scores and the Points aimed at

The Category B, Financial Data, must be evaluated in seven items, for which 30 points altogether have been given. Out of seven items, two are directly related to the scale of business and are of merely figures in the financial statements. And out of remaining five, four are of indication used commonly for business analysis. Remaining one is related to the Applicant's credit creation function. In this evaluation criteria, out of 30 points, 6 points are allotted to the Applicant's scale of business. And 22 points for which 4 scoring items are reckoned have been dispensed for examining the Applicant's business condition. For the Applicant's credit to the bank(s), remaining two(2) points have been assigned. It is seen from above that about 70% of score and about 20% of that are used for judgement of the

Applicant's business and its magnitude, respectively and further seen that remaining 10% for his credit.

4.3.2 Scoring

(1) Total Assets

The Works in the Tender will require certain magnitude of the Applicant's business. It is considered that in case of this Project, his business that has the Total Assets for US\$ eighty (80) million or more, or the equivalent can be appropriate scale of business. Thus scoring is made with following manner:

Total Sales
US\$ 80,000,000

x 3 = Points awarded

Maximum score:

3 points

(2) Sales

With the same reason described in Item (1) above, the Applicant's scale of business in terns of annual sales should be more than US\$ eighty (80) million or equivalent. Therefore scoring is made as indicated below:

Total Sales
US\$ 80,000,000

x 3 = Points awarded

Maximum score:

3 points

(3) Profit/Total Assets Ratio

It is commonly understood that the profit/total assets ratio of a construction firm staggers at the range of seven (7) to eight (8) percent. Therefore, the score is calculated by the formula:

of Marchael Reserve Species as

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Profit/Total Assets Ratio
US\$ 80,000,000

x 3 = Points awarded

Maximum score:

3 points

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(4) Growth in Financial Aspects

In order to examine the stable growth in the business and the basic strategy for the business administration, the following indexes are to be computed:

- (a) Annual growth rate of Ordinary Profit
- (b) Annual growth rate of Gross Profit on Sales
- (c) Annual growth rate of Sales
- (d) Annual growth rate of Total Liabilities and Net Worth
- (e) Annual growth rate of Total Number of Employee

Among these indexes, (a) and (b) show nature of the qualitative growth. While (c), (d) and (e) give the quantitative growth. It has been said that the qualitative growth should prevail on the quantitative one as an ideal nature of the construction business in recent economic circumstances. Accordingly, the score will be given through checking of the balance sheets of the last three (3) economic years of the firm.

Maximum score:

5 points

(5) Earnings

The Applicant's business has to be examined in terms of earnings also. For this purpose, the following indexes have to be taken up.

- (a) Profit/Total Assets Ratio
- See Item (3) above
- (b) Ratio of Gross Profit on Sales
- (c) Ratio of Net Profit to Sales
- (d) Turnover of Total Capital
- (e) Ratio of General and Administrative Expenses to Sales
- (f) Ratio of Non-operation Income to Sales

To each item listed above, one (1) point will be given. Scoring is made by means of the following formulas:

- (a) Profit/Total Assets Ratio
 (Ordinary Profit / Total Assets) / 0.07
- (b) Ratio of Gross Profit on Sales (Gross Profit on Sales / Sales) / 0.16
- (c) Ratio of Ordinary Profit to Sales (Ordinary Profit / Sales) / 0.04
- (d) Tumover to Total Capital (Sales / Total Liabilities and Net Worth) / 2

(e)

Ratio of General and Administrative Expenses to Sales and the state of the This ratio is evaluated based on the following:

Less than	13 %	Score	1.00	point
	14 %		0.75	
	15 %		0.50	
	16 %	·	0.25	
	20 %		0.15	11/1/2
	30 %		nil	4.00

(f) Ratio of No- operating Income to Sales

Ratio of non-operating income to sales is calculated by the formula stated below and evaluated according to the following:

(Non-operating Expenses - Non-operating Income) / Sales

Less than 1.5 %	Score 1.00 poin	t
1.7 %	0.75	
2.0 %	0.50	
3.0 %	0.25	
4.0 %	and a street nile and a	

(6) Soundness

For evaluation of soundness of the Applicant's business, the following indexes have to be taken up:

- (a) Current Ratio
- (b) Ouick Ratio
- (c) Ratio of Net Worth
- (d) Ratio of Fixed Assets to Net Worth

To each item, two (2) points are allotted. The formula for scoring is:

(Current Ratio/1.2) X 2 + (Quick Ratio/0.8) X 2 + (Ratio of Net Worth/0.2) X 2 + (Ratio of Fixed Assets to Net Worth/0.7) X 2 = Total Score for Soundness (Maximum score: two (2) points for each).

Where,

- (a) Current Ratio = (Current Asset/Current Liabilities)
- (b) Quick Ratio = (Cash on Hand in Banks + Notes Receivable Trade + Account Receivable Trade)/Current Liabilities

(c)

Ratio of Net Worth = (Total Stockholders' Equity/Total Liabilities and Net Worth)

- (d) Ratio of Fixed Assets to Net Worth = (Fixed Assets/Total Stockholders' Equity)
- (7) Bank's Declaration

With the Bank's Declaration which can be acceptable, maximum two (2) points will be given.

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- 4.4 Detailed Discussion for the Company Data
- 4.4.1 Distribution of Scores and the Points aimed at

The Applicant should have enough capacity for undertaking the Works in terms of the number of employee. And it is desirable that the Applicant's business is covering various field of the construction work or that the Applicant has strong linkage with Sub-contractors.

On the other hand, the Applicant should be well acquainted with Ecuador and Ecuadorian in various aspects for smooth execution of the Works. In this context, his experience in Ecuador, regardless of the kind of work, ought to be appreciated. Likewise, the experience in Central/South America should also be evaluated as an advantage more or less. In this context, if the Applicant has branch office(s) in Ecuador and/or Central/South America, this advantage should also be evaluated. Therefore, if the foreign Applicant intends to utilize the Ecuadorian contractors by means of either Association or sub-contract, his attempt also ought to be esteemed.

Apart from these discussions mentioned above, it may also be necessary to pay attention to the Applicant's ability on the punctual completion of the work.

Taking account of these matters, out of twenty (20) points, six (6) points have been allotted to the labor force and eagerness for technical improvement. And ten (10) points have been given to the Applicant's familiarity with Ecuador and/or Ecuadorian and the remaining four points for the Applicant's ability on the punctual completion of works.

4.4.2 Scoring

(1) Number of Employee

When the magnitude of works is considered, the number of engineers and administrative staff required altogether will be more than eighty five (85) or one hundred (100). Although with regard to the mobilization of manpower, various temporary way can be taken. However at least key staff may be not less than 15.

The labor force to be utilized in this Project, regardless of the number of the permanent

employ magnitu (4) poin	ces, must be proposed by the Applicanide of the works to be executed. This item its.	will be qualified with a maximum of four
(2)	Scientific Support	and animal design of the second
When e	ither the Applicant performance or that of su	b-contractor fulfill any of the following;
(a)	The Applicant has either research institute the like at which:	ute or has the support certified by an .
(i)	always more than 25 permanent staff altog of study or investigation)	ether are working, (regardless of the kind
	yes2 point norefer to (ii) below	Province and transform of integral of the decision
(ii)	always more than 10 permanent staff altog of study or investigation)	ether are working, (regardless of the kind
	yes1 point nonil	
-	Experiences in Ecuador nce of this aspect has been repeatedly descr the following manner:	And the first of the second
Work ex	sperience in Ecuador as a prime contractor	and the same products of the same of the s
(a) (b) (c)	two times or more	grade that a substitute of agencies in the control of
(4)	Work Experience in Central/South	America
(a) (b) (c)	two times or more	
(5)	Participant experience in foreign indicated before in Items (3) and (4)	countries differents from those
(a) · · · (b)	yes2 points nonil	

- (6) Branch Office (or Project Office) in operation in Ecuador or consortium of Ecuadorian firm(s)
- (a) yes 2 points
- (b) nonil
- (7) Ability for Maintaining Work Schedules:

This Item will be awarded with four points at the maximum.



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