

#### ANNUAL REPORT OF THE MONITORING PROGRAM PERIOD: APRIL 2006 – MARCH 2007

09/10/2007

## ANNUAL REPORT OF THE MONITORING PROGRAM

## PERIOD: APRIL 2006 - MARCH 2007

PROJECT NAME	POECHOS 1
INSTALLED CAPACITY	15,2 MW
PARTICIPANTS	<b>SINERSA</b> - Operator <b>World Bank</b> – Netherlands CDM Facility (NDCMF),
TECHNICAL DESCRIPTION OF THE PROJECT	
Project Location	Department of Piura, Peru
Region / State / Province	Department of Piura / Province of Sullana / District of Lancones
Classification of Project Activity	Hydroelectric power production
Number of Area of Responsibility	1
Area of Responsibility	Renewable Power
Project Activity	Generation of Renewable Energy from Hydropower plant connected to national grid. Additional energy production from hydropower plant, using existing reservoir, without increase of reservoir volume
Technology used	Used technology is based on 2 Kaplan standard turbines and 2 Generators, connected by vertical shaft.

#### DESCRIPTION OF METHODOLOGY USED

Total quantity of tCO2, as a reduction of CO2 emission, due to hydropower plant operation, has been calculated using Combined Margin (CM). ACM0002

CM is simple average of Operational Margin (OM) and Build Margin (BM), applying the following formula:

CM = 0,5(OM) + 0,5(BM)

Corresponding calculation procedure, in accordance with Monitoring Plan, is presented in Annex 2.

#### **STEP 1 - CALCULATION OF OPERATION MARGIN**

Using methodology of analysis of Dispatch data, the following formula has been applied

 $DDA-OM = E_OMy/EGy$ 

a) During the first step of analysis, dispatch data from COES has been received and analyzed, related to operation of the national electric system for each 15

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minutes that have been converted to data covering each hour of system operation.

- b) Data related to variable operational costs have been also received from COES, providing conditions for determination of Order of Merits for each power plant, in function of corresponding operational costs of each unit and comparison with corresponding operation costs of Santa Rosa substation (as a unit measure for the whole Peruvian energy system), for the operation during peak load hours. Details of the procedure applied are presented in Annex 2.
- c) Using this Order of Merits all thermal power plants of the national energy system has been compared and ordered in columns.
- d) Resulting data has been introduced in sheets from #3 to #14 of the document : Poechos DDA-OM.xls (for details se Monitoring Plan)
- e) Corresponding HPP Poechos 1 production, for each hour, has been also introduced in the same document, in column EE. This information has been introduced according to official data obtained by ENOSA, local distribution company that acquires total HPP Poechos 1 energy production (for details see Annex 3).
- f) For the period of analysis (April 2006 March 2007), the only new thermal power plant to enter into operation within national energy system is Chilca 1, according to corresponding COES information.

Results obtained are presented in continuation.

## Period April 2006 – March 2007

E_OMy:	SUM Egh*EF_DDh	42 760	57 822	:EGy
EOMy/Egy:	Operational Margin	DDA_OM	0,73951	:EF_OMy DD (TCO2/MWh)

#### **STEP 2 – CALCULATION OF BUILDING MARGIN**

- a) For this group of calculations sheet Poechos BM2.xls, from Monitoring Plan, has been used
- b) COES reported that for the period April 2004 March 2005, no new power plant entered into operation.
- c) COES reported that for the period April 2005 March 2006, new power plants that entered into operation are Hydropower plant Yuncan and Thermal plant Santa Rosa.
- d) COES, reported that for the period April 2006 March 2007, Thermal plant Chilca 1. entered into operation

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- e) Corresponding energy production for the period April 2006 March 2007, for the new power plants, has been introduced, including classification according to technology applied for each power plant.
- f) Hydropower plant Santa Rosa production has not been introduced, since it is CDM project.

The following results were obtained:

Technologies in Selected Sample	Most Recent Year Gen (GWh)	% per technology	APFR	С	0	44/12	CO2 Emissions (tCO2)
Coal	934.99	19%	8,209.70	25.80	0.980	3.67	761,105
d2	591.76	12%	6,443.86	20.20	0.990	3.67	472,502
r6	117.97	2%	1,042.44	21.10	0.990	3.67	79,843
r500	0.00	0%	0.00	21.10	0.990	3.67	0
Dry Gas	377.24	8%	4,312.72	15.30	0.995	3.67	240,734
Pure Methane Gas	0.00	0%	0.00	14.50	0.995	3.67	0
Dry Gas CC	0.00	0%	0.00	15.30	0.995	3.67	0
Hydro	2 845.16	58%	0.00	0.00	0.000	0.00	0
Total	4 867.13	100%					1,554,184

# Period April 2006 – March 2007

BM2=

0.31932

tCO2//MWh

## CALCULATION OF CM

DDA-OM=	0,73951
BM2= CM= 0,5*(DDA-OM	0,31932
+ BM2)	0,52942

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Apr-06	10 792,595
May-06	7 107,638
Jun-06	3 535,830
Jul-06	2 299,573
Aug-06	3 777,265
Sep-06	4 544,807
Oct-06	4 792,498
Nov-06	4 059,703
Dic-06	4 547,234
Jan-07	4 436,988
Feb-07	3 636,887
Mar-07	4 291,397
TOTAL	57 822,414

# **STEP 3 - PROJECT PRODUCTION FOR THE ASSESSMENT PERIOD**

This energy production is defined according to corresponding monthly invoices approved by ENOSA, for the whole period. Original monthly ENOSA data are resumed in Annex 3, while corresponding invoices for each month are also presented as a part of this report.

Monthly invoices has been defined and controlled by ENOSA using corresponding electric measuring system, with verification period of not less than five years. Taking into consideration that these instruments were installed during 2004 no additional verification of the measurement accuracy is still required.

# **STEP 4 – SUMMARIZED CERs CALCULATION**

#### Period April 2006 – March 2007

Project	Annual MWh	
Poechos I	57 822,414	
Annual CERs (DDA-OM - BM2):		
Project	Annual MWH*Combined Margin	
Poechos I	30 612	
DDA-OM=	0,73951	
BM2=	0,31932	
CM= 0,5*(DDA-OM + BM2)	0,52942	

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## SUSTAINABLE DEVELOPMENT MONITORING PLAN (SDMP)

<u> Annual Term – Compliance Format</u>

	<b>Objective 1: Environ</b>	mental Sustainability
Initiative	Indicator	Annual Accumulated Program
Soil quality improvement	Quantity of new trees within concession area	More than 30 within the area close to HPP Poechos 1 power house, from the completion of the construction activities. During lasts 12 months corresponding maintenance and irrigation has been provided. See Annex 4 for photos.
Responsibility	Number of education programs for local population (energy saving)	During last 12 months, local energy distribution system, PSE Sullana, entered into operation, providing conditions for 28,000 local families to have, for the first time, access to energy, mainly due to construction and operation of the HPP Poechos 1. SINERSA contacted ENOSA, local distribution company, in charge of supply of energy for PSE Sullana, in order to verify eventual necessity of some educational action, dedicated to local population, recently connected to energy system. ENOSA confirmed that such educational activities are part of ENOSA obligations during initial stage of new distribution system operation and that ENOSA already have organized educational activities for the PSE Sullana energy users, as specified within Peruvian energy legislation. Since after one year of PSE Sullana operation, only part of the users from the Project area, have been connected to the red, it can be concluded that due to high costs (for the local standards, being this area one of the poorest in Peru), of final connection to the grid (about 30USD/houshold), many potential users are still without energy supply. Therefore SINERSA decided, together with ENOSA, to propose a program of financial support for potential energy users of PSE Sullana. The program consists in forming a support fund of about USD10,000 to be used as a credit for potential local energy users and in such a way to provide conditions for accelerated incorporation of new users in PSE Sullana. Corresponding draft version of the agreement has been made (see Annex 1), and offered to ENOSA as well as to Local

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CENTRAL HIDROLECTRICA POECHOS I

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Agricultural Organization of Chira River
valley, where potential energy users are
living and working. For the moment this
document has been approved by ENOSA
but is still in revision in Chira River
Agricultural Organization that recently
passed through election process that
stopped all activities related to Agreement
revision and approval. We hope that during
2007 it will be possible to reach final
agreement over the issue and start its
implementation.

Ob	jective 2: Social-Eco	nomic Sustainability
Initiative	Indicator	Annual Accumulated Program
Improvement of education standards	Scholarships given to local students	First year : 4 Second year : 4+ 2 Third year: 4+2+4 Main problem to incorporate more students in the program (planned number is 5 each year) is low quality of students finishing secondary schools, that makes them very difficult to pass admission exams for Piura private University. Enclosed find detailed information about students that already form part of SINERSA scholarship program as well as Agreement between SINERSA and Piura Private University related to scholarship program (see Annex 6)
Improvement of economic conditions	Numberofemployeesfromlocal populationPurchase from localsuppliersPopulationconnected to energyredduetoconstructionandoperationofHPPPoechos 1	All support personnel (19 persons) are from area close to the Project. For details see Annex 5. From April de 2006 to March 2007: <u>US\$92,653.24</u> , has been purchased from local suppliers. For details see list of corresponding invoices - Annex 7 PSE Sullana started commercial operation that provides conditions for about 28,000 local residents to connect to energy grid, thanks to construction and operation of the HPP Poechos 1 and of the transmission line from HPP Poechos 1 to Sullana substation (60 kV, 34 KM). For the moment about 5,700 families are connected to the red (see Annex 8). In order to speed up this process we presented our proposal as specified

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# Annex 1: AGREEMENT FOR BETTER USE OF PSE SULLANA

It is evidenced in this document, the AGREEMENT FOR BETTER USE OF PSE SULLANA (hereinafter the Agreement), signed between Electronoroeste S.A., hereinafter ENOSA, domiciled in Callao 875 Piura, duly represented by its Regional Manager, Ing. Alberto Pérez Morón, identified with DNI N<sup>o</sup> ......, hereinafter ENOSA, Junta de Usuarios del distrito de Riego del Chira, hereinafter Junta Chira, duly represented by its President....., identified with L.E. N<sup>o</sup> ....., and its Technical Manager Baltasar Maldonado, identified with L.E. N<sup>o</sup> ....., and Sindicato Energético S.A., hereinafter SINERSA, with R.U.C. N<sup>o</sup> 20256391202, with legal address at Calle Los Ruiseñores Oeste 277, San Isidro, Lima, duly represented by its General Manager Sr. Branislav Zdravkovic, identified with C.E. N<sup>o</sup> 94881, according to the following terms and conditions:

## SECTION FIRST – Background

The Pequeño Sistema Eléctrico Sullana (Small Electrical System of Sullana) (hereinafter PSE Sullana) that transports and distributes electrical energy from the substation of CH Poechos 1, property of SINERSA, for about 28,000 users along the Deviation Channel, between Poechos and Lancones and between Poechos and Querecotillo, it started operating during the first quarter of 2006, which represents a very important investment for all Región Piura and specially for the recently electrified zone. However, there have been identified two main problems during its initial operation period:

- a) Several of the potential users of ENOSA's electrical service do not have the necessary economical resources to make the electrical installations in their properties, so they can not profit of the operations Start of PSE Sullana.
- b) In PSE Sullana zone there are several farmer users that use diesel pumps to irrigate their parcels, which cause greater costs and even makes unfeasible, in some cases, the irrigation of agricultural parcels. In addition to this, in the electrified zone there is a great agricultural potential, which requires the use of efficient and cost accessible pumps. UIT the startup of the nets of PSE Sullana, there is the alternative to electrify water wells and replace the use of diesel with electrical power, which will contribute to reduce pumping costs of the local farmers.

Being ENOSA the distributing company in charge of the electric power supply in the PSE Sullana zone. The Junta Chira, entity that gathers potential users of PSE Sullana and also directly involved in the agricultural production process and SINERSA, the local electric power generator. Therefore, this entities in the framework of this agreement, have decided to analyze the aforementioned problematic, proposing measures to solve it.

## **SECTION SECOND – Purpose**

- a) To promote the use of electrical power of the new users of PSE Sullana, of limiter economical resources, by using a rotational Fund of S/.30,000, entirely contributed by SINERSA, which will be used to install an electronic basic kit, bound to the internal electrical installations of the limited economical resources users of the PSE Sullana area.
- b) To establish the necessary actions and procedures to replace the most of the diesel pumps with electrical pumps, as well as to facilitate the incorporation of new electrical

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pumps, located within the influence area of PSE Sullana, making easier the agricultural and social development of the area.

# SECTION THIRD- Obligations

### **OF SINERSA**

- To make the contribution of S/.30, 000 to establish a rotational fund, named FONDO ROTATIVO PARA INSTALACIONES INTERNAS USUARIOS PSE SULLANA (PSE SULLANA USER INTERNAL INSTALLATION ROTATIONAL FUND) (FRIIUPS), which will be used exclusively to finance the supplies and services of internal installations of the limited economical resources users of PSE Sullana.
- 2) To support ENOSA's activities to define the application program of the basic kit, starting with PSE Sullana zones where the installation of the basic kit would be more convenient and would give better results.
- 3) To coordinate with Junta de Chira, the carrying out of the basic kit installation program with the purpose to guarantee, among others, its compromise to return the received fund by means of corresponding payments in 24 equal installments, this will allow to recover the funds and to continue with the financing to other families that fulfill the conditions.
- 4) To support the works of Junta de Chira in elaborating the inventory of the existing diesel pumps, and the program to change them, depending on the agricultural benefits and of the technical feasibility that ENOSA has to issue.
- 5) To support the works of the users Board in elaborating the incorporation program of the new electrical pumps in the parcels with maximum agricultural, economical and social benefits, respecting the technical feasibility issued by ENOSA.
- 6) To support the determination of the electrifying program of the irrigation pumps, by ENOSA, on the basis of the results of the points 4 and 5, as well as taking into account the capacity and technical parameters of PSE Sullana.
- 7) To appoint a representative to be a member of the Grupo de Coordinación (Coordination Group), with a total of three members, who will review and control the application of what has been agreed, as well as to propose, if necessary, the additional measures to improve the application and the results of the agreement. Such group consists of a member of SINERSA, one of ENOSA and one of JUNTA CHIRA.

## **OF ENOSA**

- 1) To define the application program of the basic kit, starting with the areas of PSE Sullana where the installation of the basic kit would be more convenient and will report better results.
- 2) To define the contents of the basic kit and the minimal installation cost, including obtaining the respective quotes to acquire the necessary equipment and the respective installation cost that will be done by ENOSA.
- 3) To perform the installation of the basic kit, according to the established program, using for this purpose the FRIIUPS available money.
- 4) To elaborate and send a semestral report to SINERSA about the FRIIUPS funds use.
- 5) To coordinate the basic kit installation program carryout with PSE Sullana users, guaranteeing, among others, its commitment to return the received funds by means

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of the corresponding payments in 24 equal installments, which will allow to recover the funds and to continue financing other families that fulfill the conditions.

- 6) To determine the electrifying program of the pumps based on the results of obligations 2) and 3) in charge of the Junta de Chira, as well as taking into account the capacity and technical parameters of PSE Sullana.
- 7) To facilitate the irrigation pumps electrification process, according to the results of obligations 2) and 3) in charge of the Junta de Chira. In the cases that the energy supply for a specific well is in Low Tension, it concerns to ENOSA to perform the electrification. In case the supply attention is of Middle Tension, the electrifying will be done the concernant part. ENOSA commits to give the corresponding feasibility and design point.
- 8) To appoint a representative to be a member of the Grupo de Coordinación (Coordination Group), with a total of three members, who will review and control the application of what has been agreed, as well as to propose, if necessary, the additional measures to improve the application and the results of the agreement. Such group consists of a member of SINERSA, one of ENOSA and one of JUNTA CHIRA.

# OF THE JUNTA CHIRA

- 1) To coordinate the carrying out of the basic kit installation program with the purpose to guarantee, among others, its compromise to return the received fund by means of corresponding payments in 24 equal installments, this will allow to recover the funds and to continue with the financing to other families that fulfill the conditions.
- 2) To elaborate the inventory of the existing diesel pumps, and the program to change them, depending on the agricultural benefits and of the technical feasibility that ENOSA has to issue.
- 3) To elaborate the incorporation program of the new electrical pumps in the parcels with maximum agricultural, economical and social benefits, respecting the technical feasibility that will be issued by ENOSA.
- 4) To participate in the making of the electrification program, contributing with the necessary data and information to carry out in an optimal and efficient way.
- 5) To support ENOSA in the field work to facilitate the electrification process of the irrigation pumps, as required.
- 6) To appoint a representative to be a member of the Grupo de Coordinación (Coordination Group), with a total of three members, who will review and control the application of what has been agreed, as well as to propose, if necessary, the additional measures to improve the application and the results of the agreement. Such group consists of a member of SINERSA, one of ENOSA and one of JUNTA CHIRA.

## **SECTION FOURTH - Deadline**

The deadline for the implementation of this Agreement is of two years since the date of subscription.

This deadline will be automatically extended for the same period, except the cases that any of the parts informs the other, via notarized notice, its decision of not to extend it at least three months before its expiry.

#### **SECTION FIFTH – Address**

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The parties in this agreement set as their addresses those indicated in the first paragraph of this document that will be taken as valid and well done, all the future communications.

## **SECTION SIXTH - Of Termination**

Any of the parties can terminate this Agreement, given previous written notice to the other party via notarized notice with an advance notice not inferior to thirty (30) calendar days if it occurs a fortuitous case or of force majeure that prevents any of the parties to substantially with their corresponding obligations container in this Agreement for a term superior to six (6) months.

If any of the parties commits default of any of the substantial obligations stipulated in this Agreement, the affected party will be enabled to notify via notarized notice to the other party its intention to terminate this Agreement.

### **SECTION SEVENTH - Unforeseeable circumstances and Force Majeure**

Definition and effects of unforeseeable circumstances and force majeure will be governed by the articles of the Civil Code.

### **SECTION EIGTH – Solution of Controversies and Arbitration**

The parties agree that any controversy that could arise in the interpretation or fulfillment of this Agreement will be solved, in first place, by direct treatment and good faith of both parties, over the term of twenty (20) working days deferrable of mutual agreement.

If there is no agreement to the maturity of the term stipulated in the previous paragraph, the parts agree that in any lawsuit, controversy or claim arising from or related to any of the stipulations of this Agreement, as well as any event of default, termination or invalidity thereof, must be submitted to the knowledge and decision of an arbitration tribunal, located in the city of Piura..

The arbitration process will be according to the Reglamento Procesal de Arbitraje Nacional del Centro de Conciliación y Arbitraje Nacional e Internacional del Colegio de Ingenieros de Piura. (Engineers Association of Piura Conciliation and Arbitration Center National Arbitration Procedural Regulations) In the cases that are nor foreseen by this regulations, and additionally by the Ley General de Arbitraje (General Arbitration Act), Ley Nº 26572.

The arbitration to which the parts will submit their controversies will be of Law. The award pronounced by the Arbitration Tribunal will be final and unappealable, as well as obligatory. The Arbitration costs will be paid by the losing party.

#### **SECTION NINTH – Agreement Modifications**

Any of the parts can request in written, with three (03) months in advance, the modifications of the Agreement for all purposes deemed necessary. Such modifications will add additional clauses that will be established by mutual agreement between the

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contracting parties and will be numbered sequentially, constituting an integral part of the Agreement.

The modifications that might be needed will be done by mutual agreement. If there is not agreement, the established procedure in Section Eleventh of this procedure will be applied.

JUNTA CHIRA

ENOSA

SINERSA

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## ANNEX 2. Procedure of Calculation of Monthly Order of Merits ( April 2006-Marzo 2007).

- 1. Documents received from COES with corresponding data :
  - a. "CV0306\_1206\_\_PotCCCOES.zip", with data from April to December 2006
  - b. CostosVariabesEner\_Febrero07.xls
  - c. CostosVariabesMar07.xls
- 2. Processing of the sheet: "CostosVariabesAbrilDiciembre06.xls" that forms a part of the document 1.a.
- 3. The archive from point 2 is Excel document, that contains different sheets with corresponding monthly data, providing condition to create archives "200X-MM MMM 2006 OM.xls". like for example : "2006-04 ABR 2006 OM.xls". For the rest of months archives indicated in 1.b y 1.c, have been used.
- 4. This sheet is a table that contains in column O (the last in each table), Santa Rosa Equivalent Costs, for each thermal power plant and for each period of the day.
- 5. It is necessary to define Santa Rosa Equivalent Costs as an average monthly pondered value. For that purpose, in column Q for the row which defines period that covers each table, is necessary to calculate exact number of days for each analyzed period.
- 6. Number of days for each month is calculated in cell Q2, for each month.
- 7. Average pondered value for each power plant is calculated in cells of column T.
- 8. Finally in column V y W it is necessary to copy table that contains data of Power Plants and Santa Rosa Equivalent Costs, ordered from lower to higher costs and defining that way Order of merits for each power plant.

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# ANNEX 3. Resume of Energy produced by HPP Poechos 1 and approved by ENOSA

#### CUADRO RESUMEN DE ENERGÍA MENSUAL FACTURADA POR SINERSA A ENOSA

CH POECHOS I

		ENERG	ÍA FACTURADA	
MES	ENERGIA HP kWh	ENERGIA HFP kWh	ENERGIA TOTAL kWh	ENERGIA TOTAL MWh
ABRIL - 2006	1,737,998	9,054,596	10,792,595	10,793
MAYO - 2006	1,633,259	5,474,379	7,107,638	7,108
JUNIO - 2006	1,462,828	2,073,002	3,535,830	3,536
JULIO - 2006	1,176,699	1,122,875	2,299,573	2,300
AGOSTO - 2006	1,466,578	2,310,688	3,777,265	3,777
SETIEMBRE - 2006	1,652,561	2,892,246	4,544,807	4,545
OCTUBRE - 2006	1,693,506	3,098,992	4,792,498	4,792
NOVIEMBRE - 2006	1,445,602	2,614,101	4,059,703	4,060
DICIEMBRE - 2006	1,359,479	3,187,755	4,547,234	4,547
ENERO - 2007	1,262,279	3,174,708	4,436,988	4,437
FEBRERO - 2007	1,293,076	2,343,810	3,636,887	3,637
MARZO - 2007	1,375,280	2,916,118	4,291,397	4,291
			57,822,414	57,822

POR SINERSA (U) Ing. Redy H. Risco Ramos Superintendente Adjunto CH Poechos I

POR ENOSA

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Ing. Mario Arroyo Sabogal Jefe de Tarifas y Administracion de Contratos

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# **ANNEX 4. Photos**





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## ANNEX 5. List of local employees.

SINDICATO ENERGETICO S.A.

# PERSONELL CH. POECHOS 1 - 2007

			birthday	,			
Item	Name	day	month	year	DNI Nº		
	Operators	_	-	_			
1	Redy Risco	4	6	1970	03654709		
2	Rajko Belanovic	24	8	1947	44414750		
3	Percy Querevalú Quezada	10	1	1974	02885497		
4	Manuel R. Senador Torres	19	4	1970	16628411		
	Electrical Technicians	1	1	1			
5	Christian Negri	25	5	1970	09507714		
6	Igor Gratelly	12	11	1971	00096884		
7	Cristian Valdivia	13	1	1975	21576330		
8	Rafael García	28	3	1962	02607842		
Mechanical Technicians							
9	Roberto Chunga	8	4	1967	03692529		
10	Hector Westraicher	11	7	1971	04330529		
11	Guillermo Martínez	25	6	1956	02676652		
12	Benito Juarez E.	23	1	1952	02785482		
	Administrative Assistant						
13	Lesly Zapata	29	11	1977	02894114		
	Drivers						
14	Juan Nole	17	7	1976	02898394		
	Support personnel						
15	Lelia Palacios	16	12	1980	40730269		
16	Luis A. Alburqueque Arevalo	19	12	1975	03673543		
17	Segundo Zapata Flores	14	12	1970	40826872		
18	Felix Amadeo Farfán Alburqueque	31	3	1956	03620149		
19	Jorge Zapata Flores	22	5	1973	03670304		

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#### ANNEX 6. Students that form a part of scholarship program



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SRES. SINDICATO ENERGETICO S. A Ciudad

Estimados Señores

Por medio de la presente les alcanzamos la información de los 8 alumnos becados a través del Convenio que mantenemos con ustedes, durante el presente semestre 2007-I.

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CARNÉ	APELLIDOS NOMBRES	FACULTAD	AÑO DE INGRESO
20053423	CASTILLO RIVAS JUAN PABLO	ING. NDUSTRIAL	2005
20054096	CESPEDES OJEDA DORIS ANALI	EDUCACION	2005
20062220	CRUZ VIDAL TANISHA CRISTINA	COMUNICACIÓN	2006
20062204	ZAPATA VEGA DENNIS GABRIEL	COMUNICACIÓN	2006
20072220	YOVERA MARTINEZ JUAN	COMUNICACIÓN	2007
20074090	CASTILLO RIVAS RITA YAMIL	EDUCACION	2007
20073433	CASTILLO ALEJABO MAX	ING. CIVIL	2007
20073424	CHERO SOJO JOSE CASIMIRO	ANALISIS DE SIS.	2007

Quedamos a su disposición, si tuvieran alguna consulta adicional.

Atentamente

Sra. Luciana Ceccovilli Oficina de Pensiones Universidad de Piura

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## **ANNEX 7. Local purchase**

Sindicato Energético S.A. -SINERSA H.P.P. Poechos 1

### PURCHASES FROM LOCAL SUPPLIERS: 2006 - 2007

(US Dollars - US\$)

MONTH	TOTAL
1. Maintenance costs	37 253.47
1.1 Materials provision	6 103.71
1.2 Trucks maintenance	10 078.78
1.3 Fuel provision	21 070.98
2. Services	54 380.36
2.1 Office equipment	3 507.67
2.2 Cleaning & fumigation	1 713.73
2.3 Security service	22 923.47
2.4 Representation expenses	277.07
2.5 Services of third parties	25 958.42
3. Hotel & lodging	929.40
TOTAL	92 563.24

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## **ANNEX 8**. Information about actual number of PSE Sullana clients

		<b>Enosa</b>
	Piura	a, 18 MAYO 2007
	NON SCH. NON SEC. Proventions	
	070 - Ourseon 100 - 02 - 7 Ones of the second s	+35 -2007/Enosa
Señor		
Branislav Zo Gerente Ger SINERSA		
Lima		
Asunto	: Remisión de Información.	
Referencia	: Correo electrónico de fecha 15-05-2007.	
Estimado se	ñor Zdravkovic:	
En atención número actu Etapa.	al correo de la referencia, me dirijo a usted, a fin de ual de clientes; así como la relación de localidades del P.S	e hacerle llegar el .E. Sullana II y III
Atentamente	Э,	
Agu	A	
Lic. Enrique Garcia Gerente Com	ercial	
V ELECTRONOROÈS	IE 5.A	
EGG/NCC		
Distribución:		
Copias : -Arch.		
Copias : -Arch.		
Copias : -Arch.		

F (073) 88 4030 F (073) 88 4030 Anx. 81 122 Anx. 81 009

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 Observaciones



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# **RESUMEN DE CLIENTES DEL PSE SULLANA II Y III ETAPA**

		Clientes		
NOM_ZON	NOM_SEC	Proyectados por la DEP-MEM	A facturación Abr-07	
035Sullana	10L : Sullana	1,368	2.694	
037Querecotillo	02F: Querecot	2,226	2,740	
039MarcavÚlica	02E: Marcavel	143	300	
080Frontera	02A: Lancones	1,560	1,214	
	TOTAL	5,297	5,734	

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RELACION DE LOCALIDADES DEL PSE SULLANA II Y III

ITEM	LOCALIDAD	DISTRITO	PROVINCIA	N° CLIENTES DEL PROYECTO	FECHA DE ENERGIZACIOI
1	EL CUCHO	Sullana	SULLANA	173	17/04/2006
2	HUANGALA	Sullana	SULLANA	550	17/04/2006
3	SAN VICENTE	Sullana	SULLANA	100	17/04/2006
4	CHALACALA	Sullana	SULLANA	84	17/04/2006
5	SOMATE BAJO	Sullana	SULLANA	128	17/04/2006
6	RIECITO	Sullana	SULLANA	55	17/04/2006
7	LA PEÑA	Querecotillo	SULLANA	198	20/04/2006
8	LA HORCA	Querecotillo	SULLANA	168	20/04/2006
9	EL PORVENIR	Querecotillo	SULLANA	49	20/04/2006
10	PTE. DE LOS SERRANOS	Querecotillo	SULLANA	142	20/04/2006
11	SANTA CRUZ	Querecotillo	SULLANA	431	20/04/2006
12	MARGARITA Y HUALTACAL	Querecotillo	SULLANA	486	20/04/2006
13	SAN FRANCISCO	Querecotillo	SULLANA	336	21/04/2006
14	CHOCAN	Querecotillo	SULLANA	149	21/04/2006
15	SANTA VICTORIA	Querecotillo	SULLANA	81	21/04/2006
16	HUAYPIRA	Lancones	SULLANA	118	21/04/2006
17	LANCONES	Lancones	SULLANA	285	21/04/2006
18	VENADOS	Lancones	SULLANA	61	21/04/2006
19	HUASIMAL DE LA SOLANA	Lancones	SULLANA	34	22/04/2006
20	DURAND	Lancones	SULLANA	47	22/04/2006
21	EL ALAMOR (*)	Lancones	SULLANA	98	22/04/2006
22	SAMAN GRANDE	Marcavelica	SULLANA	143	22/04/2006
23	MONTENEGRO	Sullana	SULLANA	21	18/04/2006
24	SANTA ROSA PIEDRA RODADA	Sullana	SULLANA	99	18/04/2006
25	CHALACALA ALTA EL PORTON	Sullana	SULLANA	32	18/04/2006
26	CHALACALA A LTA	Sullana	SULLANA	32	18/04/2006
27	CENTRO SERVICIO SOMATE	Sullana	SULLANA	17	19/04/2006
28	LOURDES	Sullana	SULLANA	77	19/04/2006
29	CHILACO SUR	Lancones	SULLANA	36	19/04/2006
30	CHILACO	Lancones	SULLANA	75	19/04/2006
31	PELADOS	Lancones	SULLANA	28	19/04/2006
32	CAMPAMENTO PELADOS	Lancones	SULLANA	51	19/04/2006
33	PUEBLO NUEVO	Qurecotillo	SULLANA	27	24/04/2006
34	SANTA ELENA ALTA	Qurecotillo	SULLANA	23	24/04/2006
35	SANTA ELENA BAJA	Qurecotillo	SULLANA	39	24/04/2006
36	SANTA ROSA	Qurecotillo	SULLANA	38	24/04/2006
37	JAGUAY DE POECHOS	Qurecotillo	SULLANA	59	24/04/2006
38	NUEVA ESPERANZA	Lancones	SULLANA	36	27/04/2006
39	POECHOS	Lancones	SULLANA	16	27/04/2006
40	EL SAUCE	Lancones	SULLANA	26	27/04/2006
41	MARTINEZ	Lancones	SULLANA	13	27/04/2006
42	JERGUITAS	Lancones	SULLANA	36	27/04/2006
43	CABRERIA	Lancones	SULLANA	19	27/04/2006
43	CASAS QUEMADAS	Lancones	SULLANA	11	28/04/2006
45	CORRAL DE VACAS	Lancones	SULLANA	42	28/04/2006
45	SOLANA CENTRAL Y BAJA	Lancones	SULLANA	27	28/04/2006
40	ESTRADAS	Lancones	SULLANA	26	28/04/2006
47	LEONES	Lancones	SULLANA	30	28/04/2006
49	BOCANA DE ORQUETAS	Lancones	SULLANA	28	26/04/2006
50	JAGUAY NEGRO 1 (Los Halcones)	Lancones	SULLANA	13	26/04/2006
51	JAGUAY NEGRO 2	Lancones	SULLANA	24	26/04/2006
51	QUEBRADA SECA		SULLANA	52	
52	CHAPANGOS	Lancones	SULLANA	36	26/04/2006
		Lancones		10000	26/04/2006
54	HUASIMAL DE ENCUENTROS	Lancones	SULLANA	20	26/04/2006
55	EL PAPAYO	Lancones	SULLANA	25	25/04/2006
56	LOS ENCUENTROS DE PILARES	Lancones	SULLANA	133	25/04/2006
57	JABONILLOS	Lancones	SULLANA	27	25/04/2006
58	ALTO EL TORO	Lancones	SULLANA	36	25/04/2006
59 60	PILARES PITAYO	Lancones	SULLANA	29	25/04/2006
		Lancones	SULLANA	22	25/04/2006

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