ELECTRICITY AUTHORITY OF CAMBODIA

REPORT
ON
POWER SECTOR OF THE KINGDOM OF CAMBODIA FOR THE YEAR 2006

Compiled by EAC
July, 2007

Preface

The third Annual Report on Power Sector of the Kingdom of Cambodia is compiled from informations received from the licensees. This report is for dissemination to the Royal Government, institutions, investors and public desirous to know about the present situation of the power sector of the Kingdom of Cambodia.

This report is compiled from information collected by EAC and information taken from licensees' annual summary report on their activities during last year. Till the end of year 2006, 144 licensed electricity service providers share about 95% of power market in the kingdom of Cambodia. Among them there are EDC, 28 private companies and one provincial electricity unit; who manage the service well, and keep their operational records to the required level of quality. The rest of licensees, except a few, cannot manage their operation at the required level, causing many inaccuracies in their data record. However as the power market share of this group of licensees is small (less than 2%); this will not materially affect the overall accuracy of the data furnished in this report. However, EAC gives special attention to the collection of the data done by it from these licensees and trains them to record the required data correctly as the data is important in assessing the real situation of rural electrification.

This annual report on power sector is presented in the same format as the 2005 report. In the future reports, EAC will try to provide additional information such as financial information or information on rural electrification and development of power sector in the Kingdom of Cambodia. Any comments or suggestions from Royal Government, instutions, investors or public are welcome and will be considered by EAC to publish more useful reports in future reflecting the actual situation of the sector.

EAC expects that this report will be a valuable document for the information on the power sector of the Kingdom of Cambodia.

Chairman
Electricity Authority of Cambodia

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CHAPTER 1
Basic Law and Regulations in Power Sector Management in the Kingdom of Cambodia

1.1 Electricity Law of the Kingdom of Cambodia

Under the framework of reform in power sector, Royal Government of Cambodia has established the Electricity Law of the Kingdom of Cambodia in order to open for and attract private investors to participate in the development of the power sector in the Kingdom of Cambodia. The Electricity Law of the Kingdom of Cambodia was adopted by National Assembly on November 06, 2000 at the plenary session No.5 of term 2, agreed by the Senate on the form and content of the law on December 13, 2000 at the plenary session No.4 of term 1 and announced to be consistent with the Constitution by the Constitutional Council on January 15, 2001. The Law was finally promulgated by ROYAL DECREE No. NS/RKM/0201/03 dated February 02, 2001 by Preah Bath Samdech **Preah Norodom Sihanouk**, King of Cambodia.

The purpose of the Electricity Law of the Kingdom of Cambodia is to govern and to prepare a framework for the electric power supply and services throughout the Kingdom of Cambodia. This law covers all activities related to the supply, the provision of services and use of electricity and other associated activities of power sector. This law aims to establish the principles for operations in the electric power industry, the favorable condition for the investments in and the commercial operation of the electric power industry including the principles for the protection of the rights of consumers, the principles for the promotion of private ownership of the facilities for providing electric power services and the principles for establishment of competition wherever feasible within the electric power sector.

In preparation of a framework for the electric power supply and services throughout the Kingdom of Cambodia, the Law has established an institution called "Electricity Authory of Cambodia", a legal public entity, being granted the right by the Royal Government to be an autonomous agency to carry out its duties as provided in the Electricity Law. For the management of electric power sector in the Kingdom of Cambodia, the Electricity Law provides that the Ministry of Industry, Mines and Energy shall be responsible for setting and administering the government policies, strategies and planning in the power sector. Whereas, the Electricity Authority of Cambodia shall ensure that the provision of services and the use of electricity shall be performed efficiently, qualitatively, sustain ably and in a transparent manner.

To enable Electricity Authority of Cambodia to ensure that the provision of services and the use of electricity is performed efficiently, qualitatively, and sustain ably, the Electricity Law assigns the powers and duties to it to issue Licenses to the Electric Power Service Providers, to Approve Tariff Rate and Charges, to issue Regulations, Procedures, Rules, Orders and Decisions as well as the right to resolve complaints and disputes related to the provision of services and the use of electricity. The Electricity Authority of Cambodia shall set clear principles for the provision of services and setting of tariff rate in the Kingdom of Cambodia as well as principles to cover other additional or miscellaneous services related to the above services through licensing. The Electricity Law promotes the private ownership of the facilities for providing electric power services in the Kingdom of Cambodia, leading to the establishment of competition wherever feasible within the electric power sector.

As per the provisions of the Electricity Law and powers and duties assigned to the Electricity Authority of Cambodia, Electricity Authority of Cambodia is the Regulator of the electric power sector, who is to regulate the provision of services and the use of electricity in the Kingdom of Cambodia.

The Electricity Law provides that the Electricity Authority of Cambodia shall consist of 3 Members, including the Chairman. The Chairman and Members shall be designated and proposed by the Prime Minister and shall be appointed by Royal KRET. Each Member shall have a 3 (three) years term, which shall be staggered, provided that the term of the initial members shall expire at different times.

As per the Electricity Law of the Kingdom of Cambodia, "no person may operate as an electric power utility or provide electric power services unless he/she has performed under and in accordance with the terms of a valid license issued by the Authority. Any person, who is operating as an electric power utility at the time of promulgation of the Electricity Law, shall apply to the Electricity Authority of Cambodia for a license within 6 month of receiving the initial notice from the Authority".

Regulations, orders and decisions issued by the Electricity Authority of Cambodia are enforceable as per the Electricity Law. Electricity Authority of Cambodia is competent to file complaints in the courts of the Kingdom of Cambodia for any violation of the Law or any violation of the regulations, orders, decisions as well as licenses issued by EAC.

The Law also provides for the rights, obligations and penalty on the service providers as well as the consumers in order to establish fair condition in the business and the use of electricity.

At last, the Electricity Law provides that the Ministry of Industry, Mines and Energy shall transfer in an orderly manner the functions and duties defined in this law to EAC as soon as the EAC is fully operational. The two main functions in power sector in the Kingdom of Cambodia were: 1 - the works of setting and administrating the government policies, strategies, and planning, and 2 - the works of regulating, liaison, and arbitration between the provision of services and the use of electricity. The law provides that these two functions shall be separated from each other as is the case in other developed countries. The Ministry of Industry, Mines and Energy shall be responsible for setting government policies, strategies and electric power planning. And Regulation and the liaison of the provision services and the use of electricity shall be transferred to EAC.

The enactment of the Electricity Law of the Kingdom of Cambodia is a big leap forward in bringing reforms in the electricity sector. This reform will encourage the private investors to invest in the power sector in a fair, just and efficient manner for the benefit of our society.

1.2 Responsibilities of Ministry of Industry, Mines and Energy and Electricity Authority of Cambodia in Power sector

Article 3 of the Electricity Law of the Kingdom of Cambodia defines the responsibility of Ministry of Industry, Mines and Energy and Electricity Authority of Cambodia separately. As per the provisions of this article, after EAC has started its operation, the governing of the power sector in the Kingdom of Cambodia shall be bifurcated, 1-the Ministry of Industry, Mines and Energy shall be responsible for setting and administrating the government policies, strategies and planning in the power sector and 2-the Electricity Authority of Cambodia shall ensure that the provision of

services and the use of electricity shall be performed efficiently, qualitatively, sustainably and in a transparent manner.

It means that, the Ministry of Industry, Mines and Energy, through its duty for setting and administering the government policies, strategies and planning in the power sector, is the institution of the Royal Government to chalk out the path that power sector of the Kingdom of Cambodia is going to take. This institution is also responsible for setting the technical standards for the power sector.

While EAC is responsible to issue rules, regulations and procedures and also is responsible to monitor, guide, coordinate including requiring the operators in power sectors both suppliers and consumers to follow the policy and guidelines and technical standards issued by Ministry of Industry, Mines and Energy and ensure that the provision of services and the use of electricity shall be performed efficiently, qualitatively, sustain ably and in a transparent manner.

The roles of the two organization in governing power sector in the Kingdom of Cambodia as provided in the Electricity Law of the Kingdom of Cambodia is shown in the following:

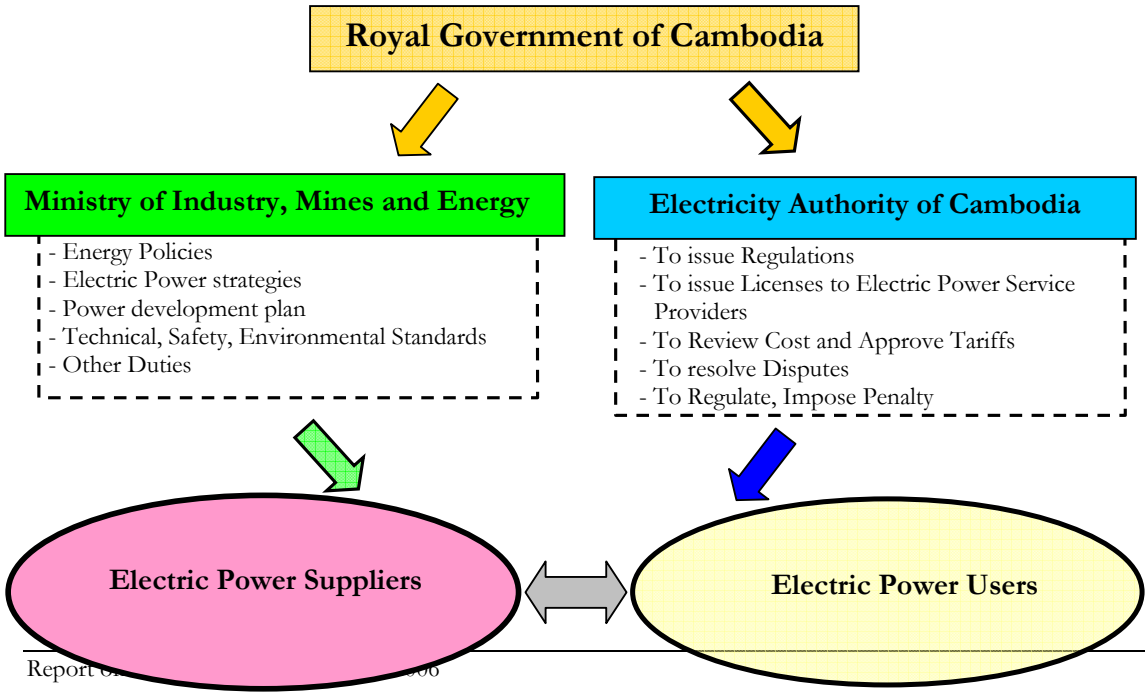


Figure 1: Sepearation of role between MIME and EAC

1.3 Duties of the Electricity Authority of Cambodia in the Power sector

Article 6 of the Electricity Law of the Kingdom of Cambodia provides that "The Electricity Authority of Cambodia is a legal public entity, being granted the right by the Royal Government to be an autonomous agency to regulate the electric power services and to govern the relation between the delivery, receiving and use of electricity". It means that EAC is a public institution in power sector. The Government granted EAC the right and autonomy to regulate the electric power services and to govern the relation between the delivery, receiving and use of electricity.

As can be seen from the provisions of the Law stated above, the Royal Government has granted the right and autonomy to EAC on two points, firstly - to regulate the electric power services and secondly - to govern the relation between the delivery, receiving and use of electricity.

1.3.1 Regulation of the Electric Power Services

Providing Electric Power Services mean the business of providing electric power services. Electricity Law of the Kingdom of Cambodia has granted the right and autonomy to EAC to regulate the activities of these services in order to ensure that the services and the business of the electric power service providers are actually carried out efficiently, qualitatively, sustain ably and in a transparent manner. Granting the right and autonomy to EAC to regulate these services does not mean that Law has provided for EAC to get involved in or to manage the internal business of the electric power service providers. But it allows EAC to advise, guide or direct the service provider, to modify or cease such activity which affects the service being performed efficiently, qualitatively, sustainable and in a transparent manner. The guiding action or direction to revise or cease any activity is to be carried out in public interest and to protect the interest of the consumers.

1.3.2 Governance of the relation between the Delivery, Receiving and Use of Electricity

The relation between the Delivery, Receiving and Use of Electricity means the relation between generators and transmitters, between generators and distributors, between transmitters and distributors or between suppliers and consumers. These relations relate only to the cycle of delivery, receiving and use of electricity. The relations can cover the conditions of delivery and receiving electric power services between above parties; the obligations and rights of the above parties in delivery and receiving electric power services; the cost of electric power services that one party pays to the other party; the quality of electric power services that one party provides to other parties etc.

Electric Power Services mean services in electricity sector provided by one party to other parties. Electric power services does not only mean provision of **"Electricity"** by suppliers to the consumers or the generation, transmission or distribution services provided by one service provider to other service providers but can be any electricity work such as the installation of electrical equipments and network, operation and maintenance, the services in relation to providing

the electric power services, the implementation of any work of electric power services etc., which one electric service provider delivers to other electric service providers or to consumers.

The Electricity Law of the Kingdom of Cambodia has granted the right and autonomy to EAC to govern these relations between the Delivery, Receiving and Use of Electricity.

According to the Article 7 of Electricity Law of the Kingdom of Cambodia, EAC has the following powers and duties:

(a) To issue, revise, suspend, revoke or deny the licenses for the provision of electric power services as provided in article 29 of the Law;
(b) To approve tariff rates and charges and terms and conditions of electric power services of licensees, except where the Authority consider those rates or charges and terms and conditions are established pursuant to a competitive, market-based process;
(c) To enforce regulations, procedures and standards for investment programs by licensees;
(d) To review the financial activities and corporate organization structure of licensees to the extent that these activities and organization directly affect the operation of the power sector and the efficiency of electricity supply;
(e) To approve and enforce the performance standards for licensees;
(f) To evaluate and resolve consumer complaints and contract disputes involving licensees, to the extent that the complaints and disputes relate to the violation of the conditions of license;
(g) To approve and enforce a uniform system of accounts for all licensees;
(h) To prepare and publish reports of power sector and relevant information received from licensees for the benefit of the Government and the public;
(i) To prescribe fees applicable to licensees;
(j) To determine the procedures for informing the public about its activities within its duties, in order to ensure that the Electricity Authority of Cambodia complies with the principle of transparency as set forth in Article 3 of this law;
(k) To issue rules and regulations and to make appropriate orders, and to issue temporary and permanent injunction for electric power services;
(l) To impose monetary penalty, disconnect power supply, suspend or revoke the license for the violations of this Law, standards and regulations of the Electricity Authority of Cambodia;
(m) To require the electric power service providers and the consumers to obey the rules relating to the national energy security, economic, environmental and other Government policies;
(n) To perform any other function incidental or consequential to any of the duties as describes above; and
(o) To establish the terms and conditions of employment of the officers or employees including experts/advisors of Electricity Authority of Cambodia.

1.3.3 Legal Documents for Governing and Regulating Electric Power Services and use of Electricity

The Legal Documents for governing and regulating electric power services and use of electricity in the Kingdom of Cambodia are classified in Table 1 below:

Table 1: Legal Documents for Governing and Regulating Electric Power Services and use of Electricity

1 Law	The Electricity Law of the Kingdom of Cambodia and other Laws to manage and regulate the power sectors. Laws are main documents in regulating all activities in power sector and also the main base for preparation of other legal documents needed for managing and regulating the power sector.
2 Legal Documents of Government Class	Sub-Decree, Decision, Notification etc. of the Royal Government. These documents are for determining the power sector policy and for regulating the activities in power sector and are issued by the Royal Government under the provisions of the Electricity Law. The main principles of the power sector, which are not defined in the Law, can also be issued for application as a standard document of the Royal Government.
3 Legal Documents of Ministry Class	Declaration (Prakas) and Decisions of the Ministry of Industry, Mines and Energy. These are the documents for managing the works, which are under the duties of Ministry of Industry, Mines and Energy such as policy, development, planning, strategy, technical standards and other determinations in power sector such as: - Investments in the rehabilitation and development of power sector in the short, medium and long term; - Restructuring, private sector participation and privatization of Public Utilities; - Promotion of the use of indigenous energy resources in the generation of electricity; - Planning and agreements on the export and import of electricity; - Subsidies to specific classes of customers and priorities regarding consumers of electricity; - Promotion of efficiency in generation, transmission, distribution and consumption of electricity and action taken to create a Comprehensive Electricity Conservation Program for Cambodia; and - Electricity sector emergency and energy security strategies.
4 Legal Documents of EAC	Licenses, regulations, procedures and decisions of Electricity Authority of Cambodia (EAC), which are issued by EAC under the framework of the Electricity Law. These documents are for managing and regulating the electric power services and the use of electricity in the Kingdom of Cambodia.

The legal documents prepared and put into force for managing and regulating provision of services and use of electricity in the Kingdom of Cambodia up to the end of the year 2006 are shown in the table 2 below:

Table 2: Legal Documents Prepared and put into Force for Managing and Regulating Provision of Services and Use of Electricity

No.	Name of Standard Documents	Promulgated by	Date Promulgated
1	Electricity Law of the Kingdom of Cambodia	The King	February 2, 2001

2	Sub-Decree on the Rate of the Maximum License Fees applicable to Electric Power Service Providers in the Kingdom of Cambodia	Royal Government	December 27, 2001
3	Procedures for Issuing, Revising, Suspending, Revoking, or Denying Licenses	Electricity Authority of Cambodia	September 14, 2001
	Revision 1		December 12, 2002
	Revision 2		March 16, 2004
4	Regulations on General Conditions of supply of Electricity in the Kingdom of Cambodia	Electricity Authority of Cambodia	January 17, 2003
	Revision 1		December 17, 2004
5	Regulatory Treatment of Extension of Transmission and Distribution Grid in the Kingdom of Cambodia	Electricity Authority of Cambodia	October 28, 2003
6	Regulations on Overall Performance Standards for Electricity Suppliers in the Kingdom of Cambodia	Electricity Authority of Cambodia	April 2, 2004
7	Procedure for Filing Complaint to EAC and for Resolution of Complaint by EAC	Electricity Authority of Cambodia	April 2, 2004
8	General Requirements of Electric Power Technical Standards of the Kingdom of Cambodia	Ministry of Industry, Mines and Energy	August 16, 2004
9	Sub-Decree on Creation of Rural Electricity Fund of the Kingdom of Cambodia	The King	December 4, 2004
10	Sub-Decree on Principles for Determining the Reasonable Cost in Electricity Business	Royal Government	April 8, 2005
11	Prokas on Principles and Conditions for issuing Special Purpose Transmission License in the Kingdom of Cambodia	Ministry of Industry, Mines and Energy	July 21, 2006

The contents of the legal documents stated in table 2 above, are available at EAC website www.eac.gov.kh.

Chapter 2

Information on Electricity Authority of Cambodia – the Regulator for the Power Sector in the Kingdom of Cambodia

CHAPTER 2
Information on Electricity Authority of Cambodia –

the Regulator for the Power Sector in the Kingdom of Cambodia

2.1 Regulator in Power Sector

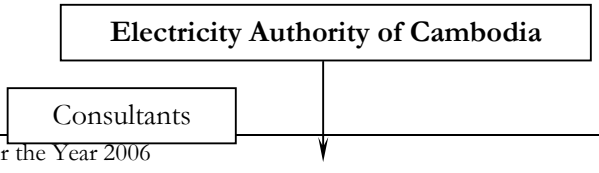
According to the Electricity Law, the Electricity Authority of Cambodia shall consist of 3 (three) members. The members of EAC shall be designated and proposed by the Prime Minister and shall be appointed by the Royal KRET. During the year 2006, the regulators for the power sector, appointed by the Royal KRET, are as follows:

1. **H.E. Dr. Ty Norin**, Chairman
2. **H.E. Yao Bunmeng**, First Vice-Chairman
3. **H.E. Dr. Sam Oeun Kim Hoeun**, Second Vice-Chairman

2.2 Organisation of Electricity Authority of Cambodia

As provided by Electricity Law, EAC shall consist of three members and shall have one secretariat for assistance. This secretariat shall be headed by one Executive Director. The Executive Director shall be appointed by Chairman of EAC after consulting with other members. The secretariat of EAC shall have specialized functional departments, which work in their specialised fields for EAC.

At present, EAC has its organization structure as per the schematic diagram below. The highest authorities of EAC are the three regulators i.e. the chairman of EAC and the two vice-chairmen. Under the chairman and vice-chairmen, there is one secretariat headed by the executive director. Secretariat provides support to EAC for administrative and technical works and controlling the specialised departments under it. This secretariat consists of four departments for performing the works in their specialised fields separately and they are 1 – Department of Administration and Personnel, which is in charge of administration and personnel works; 2 – Department of Electricity Regulation, which is in charge of electricity technical works; 3 – Department of Financial and Pricing, which is in charge of financing, accounting and analyzing the electricity tariff works; and 4 – Department of Legislation, which is in charge of Legal works and resolution of dispute and imposition of fines.



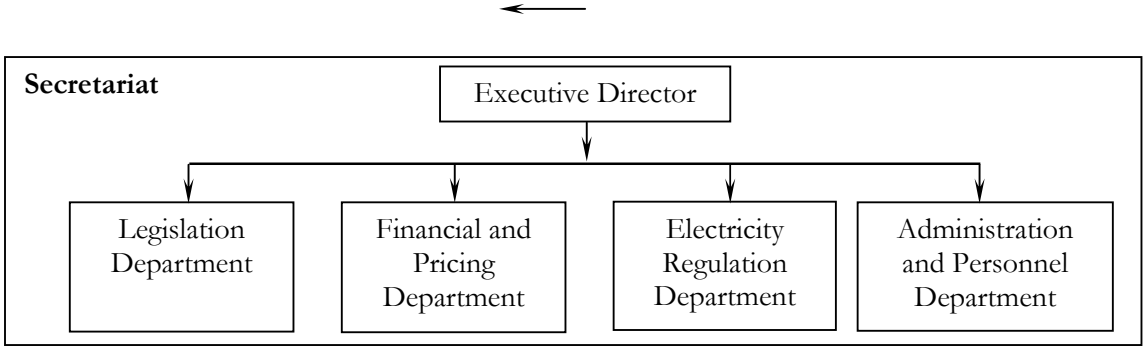


Figure 2: Organisation chart of EAC

2.3 The Budget of EAC and License Fees

The Electricity Authority of Cambodia is an autonomous agency working for the interest of all electric power service providers and electricity users in the Kingdom of Cambodia. Therefore the expenditure of EAC for its operation is to be borne by all electric power service providers in the form of payment of license fees. Article 27 of the Electricity Law provides that EAC shall have an autonomous budget for its operation. This budget shall come through fees paid by applicants and licensees as determined by EAC. This fee is called the license fee. For governing the license fees charged by EAC, The Electricity Law has further provisions that "The maximum license fees are to be determined by a Sub-Decree of the Royal Government". It means that the license fees charged by EAC shall be within the maximum rates decided by the sub-decree of the Royal Government.

Under the provisions of the Electricity Law of the Kingdom of Cambodia, the Royal Government have issued sub-decree No. 131-OR-N-KR/BK dated December 27, 2001 determining the maximum license fees applicable to the electric power service providers in the Kingdom of Cambodia.

According to Electricity Law, EAC shall determine the rate of the license fees to be paid by the licensees every year based on the maximum license fees determined by the sub-decree. For the year 2006, EAC has determined the license fees to be paid by licensees vide Notification No. 034SR-06-EAC dated April 5, 2006. The license fees determined for the year 2004 to 2006 are given in Table 3 below.

Table 3: License Fees to be paid by Licensees

Type	Riel per kWh		
	Year 2004	Year 2005	Year 2006
Generated or Power Purchased from any other	1.60	1.50	1.40

Country			
Transmission	0.60	0.50	0.50
Distribution and Sale	1.10	0.90	0.70
Retail	0.50	0.50	0.40
Other services license fee	0.1%	0.1%	0.1%

2.4 Financial Statements of EAC

The Electricity Law provides that the annual financial statement, together with the accounting books of the Authority and related records shall be audited by auditor and inspected by the National Audit Authority. Within 1 (one) month after auditing, the Authority shall submit all reports to the Prime Minister for approval, and shall publish the approved reports to the public. The audited statement for the year 2006 is not available till now. The audited income statement of Electricity Authority of Cambodia for the year 2002-2005 is given below.

Table 4:Income statement Reports for the years 2002- 2005

(After Audit)
All figures in Riels

	2002	2003	2004	2005
Revenues				
License Fees	1,228,319,840	1,551,152,850	1,908,040,000	2,120,141,900
Application Fees	5,200,000	4,050,000	3,300,000	2,850,000
Adjustment License Fees			1,365,600	1,358,200
Transfer fund from	467,964	47,833,948		

Project				
Total Revenues	**1,233,987,804**	**1,603,036,798**	**1,912,705,600**	**2,124,350,100**
Expenses				
Fixed Assets	451,963,530	605,535,449	328,516,114	309,266,680
Salary	366,601,600	599,068,520	708,104,110	757,724,500
General Administration	167,670,204	437,366,897	673,536,320	997,981,252
Total Expenses	**986,235,334**	**1,641,970,866**	**1,710,156,544**	**2,064,972,431**
Opening Balance	(37,743,300)	162,429,157	123,495,089	326,044,145
Income	1,233,987,804	1,603,036,798	1,912,705,600	2,124,350,100
Expenditure	986,235,334	1,641,970,866	1,710,156,544	2,064,972,431
Fund transferred to project	47,580,013			
Surplus/Deficit (Income-Exp)	200,172,457	(38,934,068)	202,549,056	59,377,668
Closing Balance	162,429,157	123,495,089	326,044,145	385,421,814

Chapter 3

General Information

CHAPTER 3
General Information

3.1 Introduction

The Kingdom of Cambodia, a member country of the Association of South East Asian Nations (ASEAN), with an area of 181,035 square Kilometers, is situated in the Lower Mekong region. Its neighboring countries are Thailand in the West, Vietnam in the East and Laos in the North. In Cambodia 84% of population live in rural areas where many public services are not available, especally electricity service. The rural electrification strategy sets the goal: by year 2020 all villages have access to electricity of different forms, including access to minigrid and off-grid electricity. Potential of hydropower in Cambodia is high (more than 10,000 Megawatts) and has more certainty of development compared to other energy ressources like petroleum and gas whose development is in the initial stages at present. To ensure a sustainable development of power sector Royal Government of Cambodia worked out an electrification master plan, which provides for (1) electricity generation development including hydropower resources development and development of coal or gas power plant, (2) electrificity import to coordinate the development of the border zones of the Kingdom and (3) the development of transmission grid throughout the country in order to establish the electricity transmission system of Cambodia..

3.2 Electric Power Sector in Cambodia

Electric power supply facilities in Cambodia were seriously damaged during war, especially during the Pol Pot genocidal regime from 1975 till the end of 1979. After the liberation of the country on January 7, 1979, the Royal Government of Cambodia has started to restore electricity infrastructure with the support from the international community such as World Bank (WB), Asian Development Bank (ADB), and Japan etc. The electric power supply systems in Cambodia till now are isolated systems, not interconnected with each other, and more than 95% of electric power generation is from diesel power plant. Per capita comsumption is about 78 kWh per year and about 18% of total households in Cambodia have access to electricity. The largest electric power system is the Phnom Penh System with a peak demand of 170 MW in 2006, which supplies to the capital of the Kingdom of Cambodia and areas around it.

Due to small diesel fueled isolated generation system completely dependent on high-cost fuel imported from foreign countries, and not having interconnected system and with high power losses in the distribution network, the electricity prices in Cambodia are highest in the region. Average power loss throughout the country is 12.2%. Nevertheless the power loss in rural area is still high at about 32%. The improvement in infrastructure is being undertaken to reduce the rate of loss. The yearly consumption of Phnom Penh zone shared 76.21% of the total registered electricity energy, 12.92 % for the provincial towns, 9.48 % in the border zones and 1.4 % in other zones.

3.3 Development till 2006

The goal of Power Sector Development in Cambodia is (1) to ensure sufficiently efficient and sustainable electricity supply in the isolated systems, particularly in Phnom Penh City and provincial towns, and (2) to start the construction of the skeleton transmission system of Kingdom of Cambodia and finally to expand this power supply system to cover the whole country.

At this point we will describe the development of sustainable and quality electric power supply in isolated systems in different areas of Cambodia achieved till 2006. The development is divided in three parts as follow:

1. solution for Phnom Penh city,
2. solution for other cities, provincial towns and some main towns
3. solution for other areas

3.3.1 Interim Solution for Phnom Penh City

In Phnom Penh power demand increased dramatically from 30 MW in 1995 to 170 MW in 2006, which means during 11 years power demand in Phnom Penh city increased more than 5 times. Energy source is very important component in power supply system. Inadequate power generation capacity results in crisis in power supply service, which has impact not only on the living standard of the society but also on economic growth of the country. To ensure that Phnom Penh has enough power generation capacity to meet the demand, which increased from 30 to 170 MW, was not an easy task. On the other hand, the development of power generation capacity was only a part of the solution. In fact, the full solution of a sustainable and quality power supply included the development of distribution infrastructure also.

During last 10 years, by the continuous effort of MIME and EdC in the above power development strategy, 16 projects, as given in the table below, were implemented and were put in operation for Phnom Penh power supply solution.

Table 5: Projects implemented for Phnom Penh

N°	**Project name**	**Project scale**	**Year commissioned**	**Investment type**
a	**Construction new power plants**			
1	Power plant C3	10 MW	1996	WB loan
2	Power plant C6	10 MW	1996	ADB loan
3	CUPL	35 MW	1997	IPP
4	Power plant 5 Phase-1	5 MW	1998	Japan grant aid
5	Power plant 5 Phase-2	5 MW	1998	Ditto
6	Kirirom 1 hydropower	12 MW	2001	IPP
7	KEP phase 1	30 MW	2005	IPP
8	CITY POWER phase 1	5 MW	2005	IPP
9	CITY POWER phase 2	2.5 MW	2006	IPP
10	CEP	45 MW	2006	IPP
11	KEP phase 2	15 MW	2006	IPP
12	COLBEN SYSTEM	10 MW	2006	IPP
	Toatl	**184.5 MW**	**1999-2006**	

b	**Construction of distribution lines**			
13	Constructed new distribution system in Phnom Penh (All distribution projects combined together in one project)	MV line-552 km LV line-760km	1999-2006	ADB loan + WB loan + Grant
14	Constructed 115kV substation at three places and 22 kV feeder from these 3 substations	115 kV substation-3	2001	WB loan
15	Constructed 115 kV transmission line of 23 km, connecting these three sub-station	115 kV line-23km	2001	WB loan
16	Installed DISSCADA to dispatch distribution system in Phnom Penh and Kandal province.	DISSCADA	2001	France grant aid
17	Installed SCADA to dispatch 3 "115 kV" substation and 115 kV transmission line, connecting them	115 kV SCADA-1	2001	WB loan
18	Constructed 115 kV transmission line from Kirirom 1 hydropower plant to Phnom Penh, with 120 km length	115 kV line-120 km 115 kV-Substation-1	2001	CETIC

3.3.2 Interim Solution for other cities and provincial towns

During last more than 10 years, apart from the effort to give sufficient power supply in Phnom Penh, MIME gave special attention in implementing projects to give power supply in Provincial towns and main towns. From 1999 to 2006, MIME prepared 48 power supply development projects nation-wide and put them in operation, using any investment form such as loan, funds from bank, grant aid and concessions to private investment. As a result of these 48 successfully commissioned power projects, the power supply problems in 10 provincial towns, 3 cities and 10 economic zones in Kingdom of Cambodia was solved.

Table 6: Projects implemented for other cities, provincial towns and main towns

N°	**Project name**	**Project scale**	**Date commissioned**	**Investment type**
a	**Construction new power plant project**			
1	IPP power plant in Siem Reap	4 MW	1998-2004	IPP
2	IPP power plant in Battambang	4 MW	1996-2006	IPP
3	New heavy fuel oil power plant in Shihanouk ville	5 MW	1999	ADB loan
4	New heavy fuel oil power plant in Siem Reap	10 MW	1998	Japan grant aid
5	New Diesel power plant in Takeo	1.5 MW	2006	ADB loan
6	New Diesel power plant in	3 MW	2006	ADB loan

	Kampot			
7	New Diesel power plant in Banteay Meanchay	3 MW	2006	ADB loan
8	New Diesel power plant in Preyveng	1.5 MW	2006	ADB loan
9	New Diesel power plant in Steung Treng	1.5 MW	2006	ADB loan
10	Colben System in Shihanouk ville	5 MW	2006	IPP
11	GTS in Kampongcham	5 MW	Expected 2007	IPP
b	**Electric power import from Thailand project**			
12	To supply Poipet area	5 MW	1998	Private invest
13	To supply Sampeou Loun area	1 MW	2000	ditto
14	To supply Phnom preuk area	1 MW	2000	ditto
15	To supply Kamrieng area	1 MW	2000	ditto
16	To supply Phsar Prum	2.5 MW	2001	ditto
17	To supply Malay area	1 MW	2005	ditto
18	To supply Koh Kong area	2 MW	2000	ditto
19	To supply Osmarch area	2 MW	2000	ditto
c	**Electric power import from Viet nam project**			
20	To supply Ponhea Krek area	0.7 MW	2003	EDC
21	To supply Memot area	1.75 MW	2003	ditto
22	To supply Bavet area	0.8 MW	2003	ditto
23	To supply Kampong Trach area and Kep city	1 MW	2005	ditto
24	To supply Chhreythom	1 MW	2005	Private invest
25	To supply Snuol district town	1 MW	2005	Vietnam grant aid
26	To supply Svay Rieng provincial town	2 MW	2006	ADB loan
d	**Construction distribution line project**			
27	Construction of distribution line in Poipet area	MV-25 km LV-41 km	1998	Private invest
28	Rehabilitation of distribution line in Siemreap provincial town	MV-54 km LV-86 km	1999	ADB loan
29	Rehabilitation of distribution line in Shihanouk ville	MV-53 km LV-103 km	1999	ADB loan
30	Construction of distribution line in Sampou Luon area	MV-3.2 km LV-10 km	2000	Private invest
31	Construction of distribution line in Phnom Preuk area	MV-8 km LV-14 km	2000	Private invest
32	Construction of distribution line in Kamrieng area	MV-4.5 km LV-8.5 km	2000	Private invest
33	Construction of distribution in	MV-19 km	2003	EDC

	Ponhea Krek area	LV-6.5 km		
34	Construction of distribution line in Memot area	MV-15 km LV-13 km	2003	EDC
35	Construction of distribution line in Bavet area	MV-5.6 km LV-12 km	2003	EDC
36	Construction of distribution line in Pailin city	MV-24 km LV-34 km	2004	Private invest
37	Construction of distribution line in Malay area	MV-20 km LV-32 km	2005	Private invest
38	Rehabilitation of distribution line in Battambang provincial town	MV-64 km LV-173 km	2005	EDC
39	Construction of distribution line in Bavet area	MV-17 km LV-18 km	2005	EDC
40	Construction of distribution line in Chhreythom area	MV-42 km LV-45 km	2005	Private invest
41	Construction of distribution line in Snoul provincial district	MV-20 km LV-8 km	2005	Vietnam grant aid
42	Construction of distribution line in Kep city	MV-48 km LV-12 km	2006	Private invest
43	Rehabilitatation of distribution line in Takeo provincial town and Angtasom	MV-29 km LV-78 km	2006	ADB loan
44	Rehabilitatation of distribution line in Kampot provincial town	MV-23km LV-62 km	2006	ADB loan
45	Rehabilitation of distribution line in Prey Veng provincial town	MV-9.3 km LV-36 km	2006	ADB loan
46	Rehabilitation of distribution line in Svay Reing provincial town	MV-85 km LV-86 km	2006	ADB loan
47	Rehabilitatation of distribution line in Steung Treng provincial town	MV-10 km LV-30 km	2006	ADB loan
48	Rehabilitatation distribution line in Ratanakiri provincial town	MV-3 km LV-23 km	2006	ADB loan
49	Rehabilitatation of distribution line in Banteay Meanchey provincial town	MV-26 km LV-105 km	2006	ADB loan
50	Rehabilitation of distribution line in Kampong Speu provincial town	MV-76 km LV-76 km	2006	ADB loan

3.3.3 Interim Solution for other remote areas

In addition to above mentioned power supply development projects for some cities and provincial towns, many other power infrastructure improvement project were implemented in many places by small licensees who were issued licenses by Electricity Authority of Cambodia.

The licensees have taken action to improve their facilities following advice and suggestion from EAC in order to increase economic efficiency of their generation facilities and distribution facilities and on this basis have received right to provide electricity service for longer term. These licensees made their own investments to improve their small power supply system. In spite of their effort, some licensees could not achieve good improvement due to lack of technical and managerial skill or due to insufficient financial capacity. In such cases their facilities do not comply with electrical technical standard. It is estimated that about 30% of all small licensees in the country have improved their facilities to a reasonable level of compliance to the Technical Standard. As a result the quality and the stability of the electricity service in the areas supplied by these licensees have improved dramatically.

3.4-Power Supply development plan in Cambodia from 2007 to 2020

Power supply development plan and related projects to be implemented from 2007 to 2020 have 5 stages as follow:

1. **First stage of power system development plan in Cambodia: technical studies for development of Transmission System (2007-2010)**

According to results of two studies, made under the framework of World Bank technical assistance (first study in year 2000 and second study in year 2006), the backbone transmission grid can be developed separately in two economic zones in Kingdom of Cambodia. The first zone is southern zone, consisting of Phnom Penh, Kandal, Kampong Speu, Takeo, Kampot and Shihanoukville. The second zone is Eastern zone, consisting of Banteay Meanchey, Battambang and Siem Reap provinces. Next two other areas, Kampong Cham and Steung Traing provinces, should be developed to facilitate the development of north-eastern zone. Development of the backbone transmission system should be started by construction of transmission line connecting all electricity market in development areas and dispatching station, construction of SCADA system to monitor the system, and expansion of sub-transmission syatem from main town to provide electricity service from main grid to customers living in the surrounding areas. For all these above cited areas, the strategy of generation development was to, in the interim import electricity energy from neighboring countries to provide electricity service to customer with affordable price and build the demand on the grid, and then construct our own big power plants with cheaper generation cost.

Accordingly, MIME sought support from WB; ADB; kfW; JBIC and private investors for funding of projects to develop the first stage of planned infrastructure for the power sector. Development projects to be implemented and put into operation from 2007 to 2010 are as follow:

Project 1: Construction of 115 kV transmission line from Thailand border to Banteay Meanchey, Battambang and Siem Reap

Scheduled Operation year: 2007

Scope: Construct 115 kV transmission line connecting Thailand to Banteay Maenchey, Battambang and Siemreap and 4 step-down 115/22kV sub-stations at Poipet, Banteay Meanchey, Battambang and Siemreap. This line allows import electricity from Thailand to supply 3 provincial towns

Implementor: Cambodia Power Transmission Line Co., LTD (CPTL)

Present Position: The project is under construction and is likely to be put into operation by scheduled time.

Project 2: Import of electricity from Thailand through 115 kV transmission system

Scheduled Operation year: 2007

Scope: Import of electricity from Thailand to supply Bantea Maenchey, Battambang and Siemreap.

Implementor: EDC

Present Position: Power Purchase Agreement was signed by Thai and Cambodian paties. The import of electricity will be started after the construction of 115 kV transmission line by CPTL.

Project 3: Upgrading capacity of 115 kV system in Phnom Penh

Scheduled Operation year: 2008

Scope: 1) Add 2 circuit of 115 kV line from WPP substation to existing 115 kV system of Phnom Penh, 2) Add second circuit of 115 kV line to the existing 115 kV line connecting sub-stations in Phnom Penh, 3) Deviate 115 kV line from Kirirom Hydro Power Plant to WPP substation, 4) Modification of substation GS1 and connection of 10 MVAr reactive compensation on 22 kV side in GS1 substation, 5) Add one transformer 115/22kV 30/50 MVA at GS2 substation and connection of 15 MVAr reactive compensation on 22 kV side in GS2 substation, 6) Add one transformer 115/22 kV 30/50 MVA at GS3 substation and connection of 15 MVAr reactive compensation on 22 kV side in GS3 substation. All these works will be done in order to upgrade transmission and distribution capacity of Phnom Penh power supply system and to receive more electricity from Vietnam and new power plants.

Implementor: EDC under WB loan

Present Position: Project is under bidding process. The construction is planned to start in early 2007.

Project 4: Construction of 230 kV transmission system connecting Phnom Penh, Takeo and Vietnam with substations

Scheduled Operation year: 2008

Scope: Build the substation at West Phnom Penh (WPP) and 230 kV transmission-line connecting Phnom Penh to Takeo and to Vietnam and a substation in Takeo provincial town in order to purchase electricity from Vietnam and to supply Phnom Penh.

Implementor: EDC under WB loan.

Present Position: Project is under bidding process. The construction is planned to start in early 2007.

Project 5: Build National Dispatching Center

Scheduled Operation year: 2008

Scope: Build National Dispatching Center in Phnom Penh in order to manage all connected power supply systems in the country.

Implementor: EDC under WB loan.

Present Position: Project is under bidding process. The construction is planned to start in early 2007.

Project 6: Import of electricity from Vietnam to Phnom Penh through 230 kV line

Scheduled Operation year: 2008

Scope: Purchase of electricity from Vietnam through 230 kV line to supply southern zone in Cambodia.

Implementor: EDC.

Present Position: Power Purchase Agreement was signed by Vietnamese and Cambodian paties. The import of electricity will be started after the construction of 230 kV transmission line in 2008.

Project 7: Build 115 kV line connecting Kampong Cham to Suong and Kraek towns and to Vietnam power system

Scheduled Operation year: 2009

Scope: Build 115 kV line connecting Kampong Cham, Suong, Kraek and Taininh in Vietnam and build 115 kV substations at 3 places, 1) in Kampong Cham provincial town, 2) in Suong town and 3) in Kraek town in order to import electricity form Vietnam to supply all above areas.

Implementer: This project is under grant of WB to RGC which is provided as a loan by RGC to EDC to implement the project.

Present Position: The project is submitted to WB board for approval.

Project 8: Build 115 kV line connecting Steung Treng to Laos power system

Scheduled Operation year: 2009

Scope: Build 115 kV line connecting Steung Treng, Suong, to Lao power system and build 115 kV substation at Steung Treng provincial town in order to import electricity form Laos to supply Steung Treng province.

Implementer: This project is under grant of WB to RGC which is provided as a loan by RGC to EDC to implement the project.

Present Position: The project is submitted to WB board for approval.

Project 9: Build 230 kV line connecting Takeo to Kampot and substation in Kampot provincial town

Scheduled Operation year: 2009

Scope: Build 230 kV transmission line connecting Takeo and Kampot, and build 230 kV substation at Kampot provincial town in order to purchase electricity from Kamchay Hydro Power Plant.

Implementer: This project is under loan of KFW Germany development bank and EDC is implementer of the project. KFW give grant to RGC and RGC give this grant to EDC as loan. EDC will pay principle and interest to RGC.

Present Position: Loan Agreement was signed and the bidding process will start soon.

Project 10: Build 230 kV line connecting Kampot to Sihanoukville and substation in Sihanoukville

Scheduled Operation year: 2010

Scope: Build 230 kV transmission line connecting Kampot and Sihanoukville, and build 230 kV substation at Sihanoukville in order to purchase electricity from Caol Fired Power Plant. The coal will be imported.

Implementer: This project is under joint loan of ADB and JBIC and EDC is implementer of the project.

Presenr Position: This Loan Agreement is being processed.

Project 11: Build 193 MW Kamchay Hydro Power Plant and transmission line connecting KHPP to Kampot substation

Scheduled Operation year: 2010

Scope: Build 193 MW Kamchay Hydro Power Plant and transmission line connecting this power plant to substation in Kampot provincial town in order to sell electricity to EDC.

Implementer: The investment for this project is by SINOHYDRO from People's Republic of China, who received special investment concession from RGC.

Present Position: Implementation Agreement and Power Purchase Agreement of the project were signed. The company is currently importing construction materials and preparing for the construction.

Project 12: Build 18 MW Kirirom III Hydro Power Plant and transmission line connecting Kirirom III plant to Kirirom I substation

Scheduled Operation year: 2010

Scope: Build 18 MW Kirirom III Hydro Power Plant and transmission line connecting Kirirom III plant to Kirirom I substation in order to sell electricity to EDC.

Implementer: This project is the second phase of investment of chinese company CETICI from People's Republic of China, who built Kirirom I Hydro Power Plant in the first phase. This project is in the same concession package with Kirirom I Hydro Power Plant.

Present Position: Implementation Agreement and Power Purchase Agreement of the project are being negotiated. The tariff and main points of the project were approved.

Project 13: Build 200 MW Coal Fire Power Plant in Sihanoukville and transmission line connecting this plant to Sihanoukville substation

Scheduled Operation year: 2010

Scope: Build 200 MW Coal Fire Power Plant (operated on imported coal) and transmission line connecting this plant to Sihanoukville substation.

Implementer: The investment for this project will be by a private company on the BOO basis. This project is under the bidding process to select an investor. The successful company will sell electricity to EDC.

Present Position: The project is under bidding process to select a company based on technical capacity and experiences and least tariff. The selected company will built and operate the power plant

2. Second stage of Power System Development Plan in Cambodia: Step one of Hydro Power Development in North-Western zone (2011-2015)

Project 1: Upgrade Phnom Penh transmission system

Scheduled Operation year: 2011

Scope: Build 115 kV transmission line connecting GS1 to GS2 and GS2 to WPP in order to strenghten power supply of Phnom Penh when the electricity demand will increase.

Study: This project is included in 2006 Master Plan but neither detail technical study nor the feasibility study has yet been done.

Implementer: EDC will seek funds to implement this project.

Present Position: The form of investment for this project is not yet decided. MIME is seeking any possible source of fund to develop this project.

Project 2: Build two new grid substations in Phnom Penh.

Scheduled Operation year: 2012

Scope: Build 115 kV substations in 1) northern area of Phnom Penh (NPP) and 2) eastern area of Phnom Penh (EPP). Build 115 kV transmission line connecting GS1 to NPP and NPP to EPP to meet the load of new growing areas of Phnom Penh.

Study: This project is included in 2006 Master Plan but neither detail technical study nor the feasibility study has yet been done.

Implementer: EDC shall seek fund to implement this project.

Present Position: The form of investment for this project is not yet decided. MIME is seeking any possible source of fund to develop this project.

Project 3: Build 230 kV transmission line connecting Phnom Penh, Kampong Chhnang, Pursat and Battambang and substations

Scheduled Operation year: 2012

Scope: Build 230 kV transmission line connecting Phnom Penh, Kampong Chhnang, Pursat and Battambang and build one substation near Pursat and another one in Battambang in order to connect southern zone system with western zone system to become one system.

Study: Detail technical study and feasibility study of the project was made by Institute of Energy in Guang Xy province in the framework of investment development of CYC from PRC in the project package of Stung Atay Hydro Power Plant.

Implementer: This project is under private investment and RGC gave concession to CYC from PRC in the project package Stung Atay Hydro Power Plant.

Present Position: Currently Implementation Agreement and Power Transmission Agreement are in discussion stage between CYC and government agencies.

Project 4: Build 230 kV transmission line connecting Phnom Penh to Kampong Cham and new grid substation in Kampong Cham provincial town

Scheduled Operation year: 2012

Scope: Build 230 kV transmission line connecting Phnom Penh to Kampong Cham provincial town and build substation in Kampong Cham provincial town in order to connect southern zone system with power supply system in Kampong Cham area together into one system.

Study: This project is included in 2006 Master Plan but neither detail technical study nor the feasibility study has yet been done.

Implementer: EDC shall seek fund to implement this project.

Present Position: The form of investment for this project is not yet decided. MIME is seeking any possible source of funding to develop this project.

Project 5: Development of Stung Atay Hydro Power Plant, Common switching substation and 230 kV transmission line connecting switching substation and Pursat substation.

Scheduled Operation year: 2012

Scope: Build 120 MW Stung Atay Hydro Power Plant, common switching substation, transmission line connecting this plant to common switching substation and 230 kV line connecting common switching substation to substation at Pursat provincial town.

Study: Detail technical study and feasibility study of the project was made by Institute of Energy in Guang Xy province in the framework of investment development of CYC from PRC in the project package Stung Atay Hydro Power Plant.

Implementer: This project is under private investment and RGC gave concession to CYC from PRC in the project package Stung Atay Hydro Power Plant.

Present Position: Currently Implementation Agreement and Power Transmission Agreement are in discussion stage between CYC and government agencies.

Project 6: Build 115 kV transmission line connecting Phnom Penh to Neak Loeung, Prey Veng, Svay Rieng and Vietnam

Scheduled Operation year: 2013

Scope: Build 115 kV transmission line connecting EPP substation in Phnom Penh to Neak Loeung, Prey Veng, Svay Rieng and Vietnam and build 115 kV substations one in Neak Loeung area and another one in Svay Rieng area.

Study: This project is included in 2006 Master Plan but neither detail technical study nor the feasibility study has yet been done.

Implementer: EDC shall seek fund to implement this project.

Present Position: The form of investment for this project is not yet decided. MIME is seeking any possible source of fund to develop this project.

Project 7: Build 230 kV transmission line connecting Phnom Penh to Sihanoukville substation

Scheduled Operation year: 2013

Scope: Build 230 kV transmission line connecting EPP substation in Phnom Penh to Sihanoukville in order to transport electricity from 400 MW Caol Fire Power Plant, which should be built in Sihanoukville .

Study: This project is included in 2006 Master Plan but neither detail technical study nor the feasibility study has yet been done.

Implementer: EDC shall seek fund to implement this project.

Present Position: The form of investment for this project is not yet decided. MIME is seeking any possible source of fund to develop this project.

Project 8: Build 400 MW Coal Fired Power Plant in Sihanoukville and transmission line to Sihanoukville substation

Scheduled Operation year: 2013

Scope: Build 400 MW Coal Fired Power Plant (operated on imported coal) and transmission line connecting this plant to Sihanoukville substation.

Implementer: The investment for this project will be by private company on the BOO basis. This project is under bidding process to select an investor. The successful company will sell electricity to EDC.

Present Position This project is included in 2006 Master Plan but neither detail technical study nor the feasibility study has yet been done.

Project 9: Build Stung Russey Chrum Kroam Hydro Power Plant and transmission line to common switching substation.

Scheduled Operation year: 2014

Scope: Build 235 MW Stung Russey Chrum Hydro Power Plant and transmission line connecting this plant to common switching substation.

Study: Detail technical study and feasibility study already made by TEPSCO from Japan. Study results show that this project is economically very efficient

Implementer: The bidding process for this project is planned for 2007.

Present Position: The study of this project is over and RGC and MIME may ensure early implementation of the project.

Project 10: Upgrade capacity of Phnom Penh power supply system.

Scheduled Operation year: 2015

Scope: Build 230 kV part of EPP substation in Phnom Penh, upgrade transformer capacity in WPP substation, build new substation GS4 and 230 kV transmission line connecting WPP to GS4 and 230 kV transmission line connecting GS4 to EPP.

Study: This project is included in 2006 Master Plan but neither detail technical study nor the feasibility study has yet been done.

Implementer: EDC shall seek fund to implement this project.

Present Position: The form of investment for this project is not yet decided. MIME is seeking any possible source of fund to develop this project.

Project 11: Build Stung Chhay Areng Hydro Power Plant and transmission line to common switching substation.

Scheduled Operation year: 2015

Scope: Build 260 MW Stung Chhay Areng Hydro Power Plant and transmission line connecting this plant to common switching substation.

Study: The Company China Southern Power Grid is undertaking feasibility study of this project

Implementer: In case of positive result of feasibility study, the company may be invited to participate in the development process.

Present Position: The feasibility study is in progress. MIME is cooperating to finish this work on time.

3. Third stage of Power System Development Plan in Cambodia: Step one of Hydro Power development in NE zone (2015-2017)

Project 1: Build 230 kV Sambo substation and 230 kV transmission line connectin g Kampong Cham substation to Sambo substation.

Scheduled Operation year: 2015

Scope: Build new 230 kV substation near Sambo Hydro Power Plant in order to receive electricity from this plant and build 230 kV transmission line connecting Kampong Cham substation to Sambo substation in order to transport electricity from this plant to Kampong Cham area and to Phnom Penh.

Study: This project is included in 2006 Master Plan but neither detail technical study nor the feasibility study has yet been done.

Implementer: EDC shall seek fund to implement this project.

Present Position: The form of investment for this project is not yet decided. MIME is seeking any possible source of fund to develop this project.

Project 2: Build Sre Pok Kroam 2 Hydro Power Plant and transmission line to Sambo substation

Scheduled Operating year: 2015

Scope: Build 222 MW Sre Pok 2 Hydro Power Plant and 230 kV transmission line connecting this plant to Sambo substation.

Study: The pre-feasibility study of the hydro part of this project was done by Chugoku Electric Power Co., Inc from Japan. The study results show that the project is economically very viable. There is proposal from EVN to develop Sesan 2 Hydro Power Plant with installed capacity of 420 MW, which combines Sesan Hydro potential and Sre Pok potential together into one project. If the study confirms that the EVN proposed project is more economically viable than the two projects separately, then this Sre Pok project will be replaced by the EVN project.

Implementer: Investment concession has not yet been given to any company.

Present Position: MIME is seeking fund for feasibility study of the project.

Project 3: Build Sambo Hydro Power Plant and transmission line to Sambo substation

Scheduled Operation year: 2016

Scope: Build 467 MW Sambo Hydro Power Plant and transmission line connecting this plant to Sambo substation.

Study: The Company China Southern Power Grid was undertaking feasibility study of this project

Implementer: In case of favorable result of feasibility study, the company may be invited to participate in the development process.

Present Position: The feasibility study is in progress. MIME is cooperating to finish the study on time.

Project 4: Build Sesan Kroam 2 Hydro Power Plant and transmission line to Sambo substation

Scheduled Operation year: 2017

Scope: Build 207 MW Sesan 2 Hydro Power Plant and 230 kV transmission line connecting this plant to Sambo substation.

Study: The Company EVN may be requested to study this project but it has not yet been decided.

Implementer: Investment concession has not yet been given to any company.

Present Position: A company has to be found to invest in this project.

Project 5: Build 115 kV transmission line connecting Stung Treng to Sambo substation

Scheduled Operation year: 2017

Scope: Build 115 kV transmission line connecting Stung Treng substation to Sambo substation.

Study: This project is included in 2006 Master Plan but neither detail technical study nor feasibility study has yet been done.

Implementer: EDC shall seek funds to implement this project.

Present Position: The form of investment for this project is not yet considered. MIME is seeking any possible source of fund to develop this project.

4. Fourth stage of Power System Development Plann in Cambodia: Step two of Hydro Power development in NE zone (2017-2019)

Project 1: Build Stung Battambang 1 Hydro Power Plant and transmission line to Battambang substation.

Scheduled Operation year: 2017

Scope: Build 24 MW Stung Battambang 1 Hydro Power Plant and 115 kV transmission line connecting this plant to Battambang substation.

Study: No study has yet been done on this project.

Implementer: Investment concession has not yet been given to any company.

Present Position: A company has to be found to invest in this project.

Project 2: Build Stung Russei Chrum Leu Hydro Power Plant and transmission line to common switching substation.

Scheduled Operation year: 2017

Scope: Build 32 MW Stung Russei Chrum Leu Hydro Power Plant and transmission line connecting this plant to common switching substation.

Study: The Company KTC from Korea is undertaking pre-feasibility study of this project

Implementer: In case of favorable result of pre-feasibility study, the company may be invited to participate in the development process.

Present Position: Pre-feasibility study is in progress. MIME is cooperating to finish the study on time.

Project 3: Build Stung Russei Chrum Kandal Hydro Power Plant and transmission line to common switching substation.

Scheduled Operation year: 2017

Scope: Build 125 MW Stung Russei Chrum Kandal Hydro Power Plant and transmission line connecting this plant to common switching substation.

Study: The Company KTC was undertaking pre-feasibility study of this project

Implementer: In case of favorable result of pre-feasibility study, the company may be invited to participate in the development process.

Present Position: The pre-feasibility study is in progress. MIME is cooperating to finish the study on time.

Project 4: Build Stung Tatay Hydro Power Plant and transmission line to common switching substation.

Scheduled Operation year: 2018

Scope: Build 80 MW Stung Tatay Hydro Power Plant and transmission line connecting this plant to common switching substation.

Study: The Company China National Heavy Machinery Corporation from PRC was undertaking pre-feasibility study of this project

Implementer: In case of favorable result of pre-feasibility study, the company may be invited to participate in the development process.

Present Position: The pre-feasibility study is in progress. MIME is cooperating to finish the study on time.

Project 5: Build Stung Battambang 2 Hydro Power Plant and transmission line to Battambang 1 HPP.

Scheduled Operation year: 2019

Scope: Build 36 MW Stung Battambang 2 Hydro Power Plant and 115 kV transmission line connecting this plant to Battambang 1 HPP.

Study: No study has yet been done on this project.

Implementer: Investment concession has not yet been given to any company.

Present Position: A way to start the project study is to be found.

5. Fifth stage of Power System Development Planning in Cambodia: GCCC Power Generation (2020-2022)

Project 1: Build new substation in Phnom Penh and strengten transmission line capacity.

Scheduled Operation year: 2020

Scope: Build 230 kV substation at southern area of Phnom Penh called SPP, build 230 kV transmission line connecting SPP to Takeo substation, build 230 kV transmission line connecting SPP to NPP, build 115 kV transmission line connecting SPP to GS4 substation and build 115 kV transmission line connecting SPP to Svay Rieng substation .

Study: This project is included in 2006 Master Plan but neither detail technical study nor feasibility study has yet been done.

Implementer: EDC shall seek fund to implement this project.

Present Position: The form of investment for this project is not yet considered. MIME is seeking any possible source of fund to develop this project.

Project 2: Build 450 MW Gas Power Plant I in Sihanoukville and transmission line to Sihanoukville substation

Scheduled Operation year: 2022

Scope: Build 450 MW Natural Gas Power Plant I and transmission line connecting this plant to Sihanoukville substation.

Implementer: It is planned to authorize private company to build and operate this project and to sell electricity to EDC.

Present Position: This project is included in 2006 Master Plan but neither detail technical study nor feasibility study has yet been done.

Project 3: Build transmission line connecting Kampong Cham-Kampong Thom – Siem Reap and build new Kampong Thom substation

Scheduled Operation year: 2020

Scope: Build 230 kV sub station at Kampong Thom and build 230 kV transmission line connecting this substation to Kampong Cham substation and Siem Reap sub station.

Study: This project is included in 2006 Master Plan but there was neither detail technical study nor the feasibility study.

Implementer: EDC shall seek funds to implement this project.

Present Position: The form of investment for this project is not yet considered. MIME is seeking any possible source of fund to develop this project.

Project 4: Build 450 MW Gas Power Plant II in Sihanoukville and transmission line to Sihanoukville substation.

Scheduled Operation year: 2022

Scope: Build a new 450 MW Natural Gas Power Plant and transmission line connecting this plant to Sihanoukville substation.

Implementer: This project is planned to authorize private company to build and operate and to sell electricity to EDC.

Present Position: This project is included in 2006 Master Plan but there was neither detail technical study nor the feasibility study.

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3. 5 Rural Electricification Fund

In order to facilitate access to electricity infrastructure and provide a secure, reliable, environmentally safe, and sustainable energy supply of various types, at reasonable and affordable price, in order to address the needs of the population including reduction in the high level of power tariff in rural areas the Royal Government of Cambodia has issued a Royal Decree to establish a public institution the "Rural Electricification Fund", with administrative, managerial, technical and financial autonomy under the Laws of the Kingdom of Cambodia, for enabling the development of Rural Electrification in the Kingdom of Cambodia. The objectives for which REF is established are:

1. To promote the equitable rural electrification coverage by facilitating the population's access to electricity at affordable price for economic, social and household uses, thus contributing to poverty reduction, and
2. To promote and encourage the private sector to participate in providing the sustainable rural electrification services, in particular for the exploitation of the economic application of technically and commercially well proven, new and renewable energy technologies.

The funding for REF shall be through donations and grants whose sources and terms shall be acceptable to the Ministry of Industry, Mines and Energy and to the Ministry of Economy and Finance and other sources from the government. The Funding will have to be regular and sufficient, in order to fulfil the government policy and target on rural electrification.

The objectives of REF for the four-year term (2006-2009) are:

1. Provide grant to Rural Electricity Enterprises (REE) for 50,000 new connections,

2. Provide grant to firms for supplying 12,000 Solar Home Systems (SHS) for households in rural areas.
3. Provide grant for development of 850 kW of micro hydro, and
4. Provide grant for development of 6 MW of mini hydro.

3.6 Specific Requirements of Electric Power Technical Standards (SREPTS)

General Requirements of Electric Power Technical Standards (GREPTS) was issued by MIME on July 14, 2004. GREPTS was prepared in cooperation with JICA. GREPTS covered the general provisions on technical standards for thermal generation facility, hydro power generating facility, transmission and distribution facility and house wiring.

Now, a JICA (Japan International Cooperation Agency) project is preparing the Specific Requirements of Electric Power Technical Standards (SREPTS). The SREPTS will cover the specific provisions in details for the areas coverd in GREPTS. Considering the immediate need, in the first phase the SREPTS will cover areas of themal (diesel) generation, transmission and distribution.

For dissemination to small licensees and to train their staffs in maintenance of their facilities in order to comply with SREPTS, JICA has conducted rural seminars in 4 places: Phnom Penh, Sihanoukville, Kampong Cham and Battambang. In these seminars provisions of SREPTS with rural context was explained in detail. The training covered subjects on power house layout, genset maintenance, and voltage management followed by a laboratory demonstration on use of power capacitors to improve the voltage drop in LV line.

Now the project team including MIME, EAC, EdC and JICA has finished the draft of SREPTS and processing the hand over to MIME in 2007 to issue this document.

Chapter 4

Information on Licenses and Licensees in the Kingdom of Cambodia

CHAPTER 4
Information on Licenses and Licensees in the Kingdom of Cambodia

4.1 Licenses for Providing Electric Power Services

As per the provisions of the Electricity Law, each electricity service provider is required to have a license issued by EAC and to abide by the provisions of the Electricity Law and those of its license, and regulations and procedures of EAC. License for providing electric power services is an authorized document confirming to the provisions of the Electricity Law, which EAC decides to grant to any individual or legal entity to give it the right for providing electric services as per the provisions defined in the license (called the Conditions of License). Each license has two main parts:

a. Decision to grant the right to provide the electric power service, and
b. Conditions of license.

Types of licenses to be issued and regulated by EAC are stated below:

1. **The Generation License** grants the right to generate electricity power from specifically fixed identified generation facilities.

2. **The Transmission License** grants the right to provide the transmission service. There are 2 types of Transmission License: National Transmission License and Special Purpose Transmission License.

   - **The National Transmission License** can be issued only to state power transmission company, under the Government control, to have the right to provide the transmission service for delivering the electric power to the distribution companies and bulk power consumers throughout the Kingdom of Cambodia
   - **The Special Purpose Transmission License** grants the right to construct, to own and to operate the specifically fixed identified transmission facilities in the Kingdom of Cambodia that have the specified purpose.

3. **The Distribution License** grants the right to provide the electricity distribution services in a determined contiguous territory.

4. **The Consolidated License** is a license, which may be the combination of some or all types of licenses. The Consolidated License can be issued to EDC and to the isolated systems to grant the right to generate, transmit, dispatch, distribute and sale the electric power to the consumers. Consolidate License can also be issued on consideration of long term planning and the objectives of Government policy to reduce long run marginal cost for supply of electricity to consumers, establish a national grid and progressively expand this grid throughout Kingdom of Cambodia.

5. **The Dispatch License** grants the right to control, to manage and operate the dispatch facilities for facilitating the delivery and receiving the electricity from the generation, transmission and distribution systems.

6. **The Bulk Sale License** grants the right to buy the electricity from any Generation Licensee or from the power systems of neighboring country for sale to Distribution Licensees or to the large customers in one connected power system.

7. **The Retail License** grants the right to engage in the sale of electric power to consumers in a contiguous service territory.

8. **The Subcontract License** grants the right to supply the electric power services according to the subcontract agreement with existing licensee.

4.2 Licenses issued and Area of Supply

Up to 31st December 2006, EAC has issued 151 licenses to grant the right to the electric power service providers to provide electric power services pursuant to the Electricity Law. Type and number of licenses issued up to end of year 2006 are shown in Table 7 below.

Table 7: Types and Number of Licenses

No.	Type of License Issued	Number of License Issued		Number of License at end of 2006	
		up to 2005	during 2006	Not valid	Valid
1	Consolidated License consisting of Generation, Distribution and Transmission Licenses	1			1
2	Generation License	14	6	6	14
3	Distribution License	9	4		13
4	Retail License		1		1
5	Consolidated License consisting of Generation and Distribution Licenses	99	17	2	114
TOTAL		**123**	**28**	**8**	**143**

The validity of three licenses terminated during 2006. Generation Licenses, No.003L issued to Jupiter Power (Cambodia) Co. Ltd and No. 024L issued to Global Power System PTE. Ltd, were not valid beyond 3rd July 2006 and 30th April 2006 as the term of respective PPAs were not valid beyond these dates. JPN Cambodia Imnternational Co. Ltd having generation license No. 100L stopped operation from March 2006, as EDC commissioned its own generating plant. Mr. Som Visal having Consolidate License No. 092L sold his business to Duty Free Shop Co. Ltd having Distribution License No. 014L during 2006. Duty Free Shop Co. Ltd extended 22 kV line from Osmarch town to give supply to the Provincial Town of Oddor Meanchey Province. The list of licenses not valid by end of year 2006 is given in Annex 7.

The three distribution licensees, Sou Ching Electronic Company Ltd, Akissni Keansvay and Khmer Electricity Service Co. Ltd, who are issued licenses No. 145 dated 28 November 2006, No. 150 dated 21 December 2006, and No. 151 dated 21 December 2006 respectively, have not started operation during 2006. Similarly, the two Generation Licensees Kampot Power Plant Co. Ltd and Omo Energy (Cambodia) Co, Ltd, who are issued licenses No. 142 dated 1 September 2006 and

No. 147 dated 29 November 2006 respectively, have not started operation during 2006. Hence in the following reports data for these licensees are not included.

A map of Cambodia showing the location of the licensed area of supply and license numbers of licenses issued by EAC up to end of 2006 is given in Annex 10.

Electricité du Cambodge (EDC), a Government owned company has been granted the Consolidated License consisting of Generation, Distribution and National Transmission Licenses. The license gives it the right to provide transmission service for the entire Kingdom of Cambodia and to provide distribution service in its licensed areas and to operate generation facilities at different locations specified in the license. By end of 2006, EDC supplied electricity in its licensed areas of Phnom Penh, Sihanoukville, Provincial Town of Siem Reap, Provincial Town of Battambang, Provincial Town of Takeo and Angtasom Town, Provincial Town of Kampong Cham, Provincial Town of Kampot, Provincial Town of Prey Veng, Provincial Town of Ratanakiri, Provincial Town of Banteay Meanchey and Mongkul Borei District Town, Provincial Town of Steung Treng, Provincial Town of Kampong Speu, Provincial Town of Svay Rieng and Kampong Row and Svay Teap, Ponhea Krek District, Memot District and Bavit Commune and District center of Kampong Trach.

The Distribution licensees Franasie Import Export Co. Ltd, supply electricity in three district centers Kamrieng, Phnom Proeuk and Sampeou Loun in Battambang Province, Anco Brothers Co., Ltd, supply electricity to some areas of Ochraov District, Banteay Mean Chey Province and some areas of Koh Thom and Sa-Ang districts, Kandal Province, Duty Free Shop Co. Ltd supply electricity in three areas of Koh Kong Provincial Town, Provicial Town of Oddor Meanchey Province and Osmarch Town of Oddor Meanchey Province. Other distribution licensees supply electricity in one area.

The consolidate licensee Electricity of Kratie Province supply electricity to two areas of Kratie Province – the Provincial Town and Part of Snoul District. Other Consolidate licensees supply electricity in one contiguous area. In some cases the area is spread over two provinces and hence the licensee operates in two provinces.

The areas of supply of the Licensees cover cities, provincial towns, other town centers as well as small villages. The supply in cities, major towns and areas supplied from neighboring countries is normally for 24 hours a day. But the demand in many rural areas during some hours of day is so low that supply is not viable during these hours and hence the supply is normally for a period less than 24 hours a day.

Annex 1 gives province wise area of supply served by Consolidated Licensees, Distribution Licensees, Retail Licensee and the normal hours of suply in these areas. The number of different types of licensees operating in each province/city as on 31st December 2006 is given in Table 8 below.

Table 8 : Number of different types of Licensees operating in each Province/City

No.	Name of Province/ City	Consolidated License consisting of Generation, National Transmission and Distribution Licenses	Generation License	Retail Licnse	Distribution License	Consolidated License consisting of Generation and Distribution Licenses	Total
1	Banteay Meanchey	1	-		2	8	11
2	Battambang	1	1		1	7	10
3	Kampong Cham	1	1		1	16	19
4	Kampong Chhnang	-	1		1	5	7
5	Kampong Speu	1	-		-	11	12
6	Kampong Thom	-	-		-	7	7
7	Kampot	1	-		-	4	5
8	Kandal	1	-		2	17	20
9	Koh Kong	-	1		1	2	4
10	Kratie	-	-		-	1	1
11	Krong Kaeb	-	-		-	-	-
12	Mondol Kiri	-	-		-	-	-
13	Otdor Meanchay	-	-		1	-	1
14	Pailin	-	-		2		2
15	Phnom Penh	1	6	1	-	2	10
16	Phrea Vihear	-	-		-	2	2
17	Prey Veng	1	-		-	5	6
18	Pursat	-	1		1	6	8
19	Rattanakiri	1	-		-	-	1
20	Siem Reap	1	1		-	8	10
21	Sihanoukville	1	1		-	4	6
22	Stueng Treang	1	-		-	-	1
23	Svay Rieng	1	-		-	-	1
24	Takeo	1	-		-	17	18

4.3 General Situation of Providing Electric Power Services by Licensees

Year 2006 saw a general improvement in LV network in rural areas such that it complied with Technical Standard to a moderate or high level, inspite of the electricity service providers facing high fuel prices. The small licensees understood better the necessity and priority to improve the LV network. They have understood that their weakness lies in having bad distribution infrastructure, lack of technical knowledge and experience and bad managerial skill; and hence have made efforts to overcome the same.

The officers of EAC, during their field visits, have assessed the operational efficiency of many licensees and their observations in general can be summarized by the contents of Table 9 below:

Table 9 : Evaluation on General Situation of the Electric Power Service

Type of Service	Generation Efficiency of Fuel Consumption Rate, L/kWh	Distribution Efficiency	Management
Consolidated License of EDC (1)	0.29 to 0.30	average loss 12%, voltage drop not more than 14%	medium, many points need to improve further
Generation Licensee	0.27		Medium
Distribution Licensee	-	average loss 10%, standard level of voltage quality	Technical management is satisfactory
Consolidated Licensee provincial town level	not greater than 0.32	average loss lower than 17%, good voltage quality	local company level
Consolidated Licensee district town level	not greater than 0.36	average loss about 15-20%, medium voltage quality	Some licensee have company level
Small Consolidated in towns	Not greater than 0.38	average loss 20-25%, voltage drop less than 13%	need to have more training
Small Consolidated Licensee	not greater than 0.40	average loss 25-30%, voltage problem	low, need to have more training

4.3.1 Electricity infrastructure at the beginning of 2006

In 2005, EAC took up the program of infrastructure improvement by licensees in the Kingdom of Cambodia. The program had three important features. As a result of this program in 2005 some licensees made remarkable improvements to their infrastructures; whreas some other licensees improved their distribution lines to a reasonable level but not fully compliant to the Technical Standards and need further improvement. During 2006 the following features were observed:

1. Many electric power houses were well planned, but the equipments were not compliant with technical standards, and unsafe in operation. The fuel storage and supply system, and the protection system were of bad design. The lack of efficiency in electricity generation was still observed.

2. The temporary network was improved at many locations. Along the national road and major access roads the use of concrete poles and hard wooden poles were observed. The bare conductors were changed to insultated ABC or PVC aluminium conductors. But temporary network still exists in many other licensed areas.

3. The meter was still the sensitive issue between consumers and suppliers. One of the problems was the use of poor quality meters.

In general, the condition of the infrastructure of the small licensees is relatively mediocre – the generation efficiency, distribution efficiency and safety are low, quality of management is poor, quality of service is medium and there are many disputes about accuracy of meters.

About 30 to 40 %of small licensees have taken steps to make some improvement to their generation facilities. The condition of the generation facilities of other licensees can generally be stated as follows. The generator and engine do not match properly – most of them being assymbly of two separate sets. This results in low efficiency of operation. The equipments to control voltage and load cannot be adjusted/operated to get the right operation. The control equipments are sub-standard and need careful handling to avoid danger. Meters are generally not provided to record energy generated and where provided is not accurate. Provision for parallel operation of generators is not there.

The distribution networks of most of the small-consolidated licensees are constructed in a temporary manner. The distribution networks of most of the licensees having term of license less than 4 years have the following characteristics:

- Poles do not have required strength and with height less than 5m.
- Most of the conductors are bare conductors and need to be changed to insulated conductors.
- The cross section of the conductor is not sufficient to maintain a voltage of more than 207 V at tail end of line.
- It is not safe to operate the system during rain.
- Earthing is not maintained properly.
- Do not have proper control equipment to automatically isolate the line in case of a fault.

4.3.2 Planning of EAC to improve the operation of Electric Power Services

Based on experience and result of the improvements done last year, the three programs initiated by EAC to implement the policy of the Royal Government of Cambodia for power sector and to ensure that the people benefit from the electricity service was analysed and assesed in great details.

During 2006 EAC gave more attention to the improvement of distribution network, especially the LV network. The increase in fuel cost had very bad impact on the cost of generation of electricity in rural areas and the licensees could not do much to reduce this cost as most of the small licensees have generators of small capacity and could not change the technology or the fuel. But the impact on the cost of electricity due to low efficiency of network can be reduced. The improvement in network in order to reduce loss and increase safety was really feasible in many rural zones. EAC elaborated a new plan of advising and assisting small licensees as follows:

1- Conduct feasibility study in network improvement in many zones and select the zones with high priority need for improvement.
2- Conduct the simplified study of the network in selected zones to specify the required improvement
3- Design a network for each selected zone and give it to the licensee to improve its infrastructure.
4- Provide market informations about the available standard materials for use in the improvement;
5- Officially advice licensees to improve their infrastructures in steps.

Following this plan, many licensees made great efforts for improving their network. As a result, at the end of year 2006, 30% of LV network in rural area were complient with GREPTS. Large number of poles was changed to concrete poles and new conductors used were of ABC type or insulated PVC aluminium conductors. Bare conductors may be eliminated in year 2007.

EAC have advised and persuaded licensees in district town to construct MV network. The simple indicator of feasibility of MV network was a forecast for next year of a volume of sale of 40,000 kWh/km/year or more.

4.3.3 Methodology of Incentive and Penalties

Electricity Authority of Cambodia is following a transparent policy for deciding the term of the license of the electric power service providers. In cases, where improvement is made to the electricity facilities to comply with the technical standards and the business is managed efficiently, the licensees have the right to apply for extension of the term of the license and Electricity Authority of Cambodia grants a longer term license. In case the service provider fails to properly improve its electricity facilities, operation and management, Electricity Authority of Cambodia may consider taking actions as per license conditions including revocation of its license. The method of incentives has given encouraging results. Many licensees have improved their infrastructure and have been granted longer term of licenses. In general the license susceptible to be revoked will be granted the last test term of two years. If the licensee demonstrates his willingness to improve the infrastructure EAC may grant new term to him after this last test term, otherwise the license may be revoked. The Table below shows the number of consolidate licenses having the same term at the end of 2004, 2005 and 2006, which shows that the number of licensees with better infrastructure and management is gradually increasing.

Table 10 : Current Term of Consolidate Licenses

Current Term	Licenses at the end of 2004		Licenses at the end of 2005		Licenses at the end of 2006	
	Number	%	Number	%	Number	%
2 years	64	72.73	53	53.54	51	44.35
3 years	9	10.23	17	17.17	26	22.61
4 years	1	1.14	8	8.08	11	9.57
5 years	6	6.82	10	10.10	13	11.30
7 years	4	4.55	5	5.05	6	5.22
10 years	2	2.27	4	4.04	6	5.22
Till revoked	2	2.27	2	2.02	2	1.74
Total	88	100.00	100	100.00	115	100
Average term	2.76		3.24		3.46	

4.3.4 Methodology of Financial Monitoring and Competition

EAC is in the process of issuing the Regulations on General Principles for Regulating Electricity Tariffs. The aim of this regulation would be to set rules for governing the process of tariff review and tariff setting and ensure fair and equitable balance between the interest of licensee and the consumers in the Kingdom of Cambodia. The regulations would enumerate the principle for determination of reasonable costs and revenues.

Along with the Regulations EAC would also issue the Procedures for Data Monitoring, Application, Review and Determination of Electricity Tariff. This would detail:

- The procedure for Licensees to make annual submission of data and review by EAC of requirement for tariff revision.
- The procedure where a Licensees wishes to submit an application for revision in tariffs.
- The procedure where EAC actually carries out a full review and determination of Licensee's tariffs.

These regulations and procedures would spell out the policies of EAC and enhance transparency in the entire tariff setting process.

EAC is also in the process of working out a fuel cost adjustment mechanism to enable revision of tariffs based on fuel price variations for REEs as already in place for EDC Phnom Penh, Kandal and Kampong Speu.

4.4 Improvements in the operation of Electric Power Services

Compared to earlier years, the improvement in infrastructure during 2006 was better both in quantity and quality. The number of licensed areas in which partial improvement was done to meet the requirements of technical standard was double than that during last year. The number of licensees involved in the improvement program increased dramatically to almost twice that of last year. In some district town, e.g. in Prey Toteung, Chikreng, Puok and Skun, MV lines were developed.

Some improved network infrastructure in rural areas from different parts of the kingdom is illustrated separately in this report.

The improvements made in different geographic areas are stated below. Almost all LV network along national road no. 7 in Kampong cham, Kratie and steung Treng Provinces comply with the standard. MV 22kV line from Steung to O Raing Ov through Suong is under construction. Improvements were made in some areas along national road no 6 and at the end of 2006 about 40% of the network complied with the standard. The infrastructure from Treung to Chamkar Leu district town has been improved over last many months, so now the construction of 22kv MV line to connect all licensed areas from Skun to Chamkar Leu district town is feasible. Again similar situation is observed in Baray area. The connection of all licensed areas in Baray can be expected in near future. The LV network in many district towns, except Angkor Chum, in Siemreap province complies with the standard. Chikreng, Sotr Nikum, Puok have good LV networks comparable with other areas. In Banteay Meanchey the improvement of infrastructure is slow. Battambang, Pursat and Kampong Chhnang are late in the improvement process. Only in Boeung Khnar and Trapaing Chorng the process is very rythmic. In Prey Veng the improvement made in Svay Antor, Snay Pol and Prek Neak Loeung were remarkable. In Kandal province, the improvement is very slow along national road no 6A, but in Saang the installation of 22kV from Setbo to Saang is under construction. Sihanoukville is also considered as the province with very slow improvement in such areas as Steung Hav, Otreh, Smachdeng. At Veal Renh the distribution line is not yet complint with Technical Standard although it has been improved. In Kampot, licensees improved their electric networks sufficiently good. Especially in Chhouk district the medium voltage and low voltage distribution lines complied fairly with Technical Standard. In Kampong Speu, along National Road no 4, licensees are improving their distribution facilities to meet the requirements of Technical Standard in order to be able to connect to EdC grid in the near future. Along National Road no 3,

from Tram Khnar town to Sla Kou town the low voltage distribution line is already upgraded. In Batt Deung town and Uddong town the LV line is well installed on concrete poles. In Takeo, along National Road no 2, from Samrong Yong town to Kirivong town, about 85% of distribtuion lines have been improved and Kirivong town has excelled in this improvement. In Otdar Meanchey, due to investment by Duty Free Shop, the provincial town infrastructure is standardised.

Beside the network improvement, some licensees prepared to switch from diesel based engine to biogas based engine. This change was stimulated by successful implementation of biogas technololgy in some place.like Anlong Tamei and Phnom Sampeou in 2005. Unfortunately, biogas technology requres heavy investment cost and good technical knowledge. This trend was not very successful in power sector in 2006.

Some licensees used good quality meters in their services, but still received complaints from customers. So far few standard meters are in use in rural area in 2006.

The positive impact of 2006 improvements in areas along national roads resulted in about 10% increase in electricity consumption due to (1) voltage quality, (2) expansion of network or authorized area, (3) increase of number of customers, (4) increase in supply duration and (5) cost reduction. High losses are still a major issue even after 30% of network being improved because non technical losses are still high.

The problem of inefficient operation is still big, but the year 2006 is a milestone for the improvement in infrastructure to comply with standards.

The table below gives brief description of the improvements made during 2006.

Table 11 : Imformation on Improvement of Distribution Facilities by Small Licensees

License Number	Licensee	Improvement of Distribution Facilities
6	Huor Pheng	New MV line about 700m, replaced old poles by concrete poles, replaced most of LV conductor by ABC and expand distribution network to new area in the licensed area. Expand the licensed area and EAC will consider new long term to licensee.
8	Franasie Import Export Co. Ltd	Expanded distribution line in the 3 licensed areas (Kamrieng district, Phnom Preuk district and Sampeou Loun district). There are some wooden poles of acceptable quality.
9	MSP Development Co. Ltd	In general distribution network complied with technical standard but the company must expand their distribution line to cover the whole licensed area. EAC will consider extension of license term.
11	Anco Brothers Co.,Ltd	Finished network construction in Koh Thom district in Chrey Thom licensed area
13	Mak Thorn	MV distribution line from VN border is under construction.
14	Duty Free Shop	Added new licensed area at Oddar Meanchey provincial town and some areas along national road no 68. In this new licensed area, the MV and LV distribution network were completed which complied with technical standard.
15	Srey Sokhom	Expanded distribution licensed area and built new

		distribution lines in the expanded area
16	Ke Kuyhuoy	Improved LV distribution network using ABC conductor with cross section of 4x70mm2 about 1000m, replaced 38 old poles by concrete poles. Received new license term of 5 years.
17	Bun Liv	Improved most of distribution network in the licensed area, but has used some recycled material. Has possibility to further expand the licensed area
18	Ky Sophea	Replaced old distribution line by new line, using 79 concrete poles. Result: 1400m of 3 phase PVC Aluminium line and 1000m of 3 phase ABC line.
19	Te Kok Eng	Replaced about 80% of old poles by concrete poles and changed the conductor to PVC Aluminium conductor for about 1000m line and rest to ABC conductor.
20	Chhour Lay	Rehabilitated the whole distribution network. Result: 1000m line of 3 phase ABC 70mm2 and 1000m of 3 phase ABC 35mm2 line. Added new genset of 100kVA to increase the operating hours to 16 hours per day. EAC increased license term from 3 years to 7 years.
21	Nov Sokha	Changed small cross-section line by new 3 phase 70mm2 line, but many poles were not of acceptable quality. The improvement was delayed because of rehabilitation of national road no 1. Expanded distribution licensed area 2000m to West side.
22	Kong Phat	Changed network line with small cross section: 200m of 3 phase 35mm2 Aluminium, 250m of 3 phases 16mm2 copper, 200m of single phase 16mm2 copper. EAC assessed new license term of 3 years.
23	Khun Sambo	Started rehabilitation of most of the distribution network and its expansion. New network consist of MV and LV lines. By end of 2006, about 30% of the infrastructure was assessed to comply with technical standard and likely to complete balance in 2007. EAC may assess new license term of 10 years.
27	Kuy Sour	Built new distribution line in the expanded distribution area. All villages were supplied 24 hours, except only 2 villages.
29	Sok Thy	Some improvement, but not sufficient. Expanded the distribution licensed area
30	Ly Bunthy	At the beginning stage of improvement: erected about 210 poles for a network of about 6km length.
31	Chan Thon	Continued construction of distribution line as per development plan to cover the whole distribution licensed area.
32	Ngen Kong	Improved the distribution line along national road no 6, erected concrete pole and installed ABC line. The improvement will be completed early in February 2007.
33	Chhuor Nguon	Reconstructed almost the whole distribution network in the distribution licensed area by installing concrete poles and ABC line. New long license term was assessed for licensee.
34	Toem Touch	The improvement is in the stage of erection of concrete poles along national road no 5 in the distribution licensed

		area. The improvement is planned to be completed in the middle of 2007.
35	Chhuoy Poeut	Built MV line and reconstructed most of LV network to ensure the supply to remote area in the distribution licensed area and to connect in the near future to EdC grid. The project will be completed in the beginning of 2007. The distribution licensed area was expanded.
37	Ieng Seng Hy	About 80% of distribution network were improved. Result: 111 new concrete poles installed, 3 phase 95mm2 line, 3 phase 50mm2 line and 3 phase 35mm2 line using PVC Aluminium conductor.
38	Sieng Seng	Most of distribution line was improved with concrete pole and ABC conductor. The distribution licensed area was expanded.
39	Kim Chantara	Licensee was improving distribution line along national road no 6 in the distribution licensed area using concrete pole and Aluminium conductor of ABC type or PVC insulated type. The first stage of the improvement will be completed in February 2007.
42	Kong Sophal	Mr Kong Sophal after purchasing the service from Mrs. Muy Kuan was improving the very poor distribution network. New line was installed on concrete pole with ABC 70 or 35 mm2 conductor or with PVC insulated Aluminium 35 or 25 mm2 conductor. The generation part was improved by installing new distribution box, compensation and synchronization. The operating hours increased from 4 hours to 12 hours. EAC may consider a new term not less than 5 years depending on the end result of improvement in 2007.
44	Kong Puthy	Continued the improvement process from 2005 until completed. The new MV and LV network complied with general conditions of technical standard. EAC increased the license term from 5 to 10 years.
46	Seng Sokun	Mr Seng Sokun has improved the distribution line along national road no 15 in the distribution licensed area, installing an ABC and PVC insulated line on concrete pole.
47	Mom Tara	The improvement is under process. The new MV line and LV line along national road no 6 and no 7 in the distribution licensed area is being installed. The LV line is with ABC conductor. The project will be completed in the middle of 2007. EAC may consider a new license term not less than 5 years.
51	Sovanny Elec.Devl.Co.,Ltd	The company installed MV and LV distribution line as per the investment plan and almost complied with technical standard. EAC assessed a new license term not less than 5 years.
52	Nareth Elec.Devl.Co.,Ltd	The company was improving the distribution network, both MV and LV line. But the overall result was not clear for a good assessment of EAC, because the company mixed the new improved part with the old line everywhere. Many wire crossed the national road in the provincial town area.

53	Long Nget	A new 2000m 3 phase ABC 150mm2 line and a new 2000m 3 phase ABC 50mm2 line on concrete pole replaced some part of the old distribution line.
56	Nhek Theary	Mrs Nhek Theary after purchasing the service from Mr Sieng Khun was improving the distribution network by installing new MV and LV line in many part of the distribution system in the distribution licensed area. Expansion of licensed area was planned. The first stage improvement process will be finished in the middle of 2007.
57	Mr Chin Sok Hin	Has improved LV distribution line along the main street of the town, using ABC conductor and concrete pole.
58	Chhay Neng	Replaced about 70% of wooden poles by 7m concrete pole.
59	Electricity of Kratie Province	Expanded the grid by MV and LV line complied with technical standard.
61	Khoeun Sambath	Replaced some 500m old line by new 3 phase ABC 90mm2 line.
67	Sok Hoy	Replaced some 60m old line by new 3 phase LV line with PVC insulated 50mm2 conductor and some old 250m by 35mm2 PVC line.
71	Heng Tray	Continued the improvement of distribution line as per 2004 plan, replacing wooden pole by 7m concrete pole and installing 3 phase PVC 50mm2 line about 75%. EAC issued new 4 year license term.
74	Mean Vanna	Replaced step by step wooden pole by concrete pole after improving the conductor of distribution line. All poles along national road will be replaced within 2007.
76	Quach Edward	Expanded the grid by MV and LV line and expanded distribution licensed area about 2000m to the west side.
78	Vorn Yeang	Continued the improvement of distribution line by replacing old line by new 3 phase PVC 70mm2 line, installed on concrete pole along national road no 6.
79	Thon Theun	Continued the improvement process step by step
83	Toung Yeun	Has improved LV distribution network by increasing the cross section and replacing old pole. Must improve further, especially in replacing pole by concrete one. EAC issued new 4 years license term.
85	Kg Cham City Power	Kg Cham City Power Company, after purchasing the service from Mr. Seum Sokha, has expanded distribution licensed area and reconstruct the whole distribution system and generation facilities. New 22 kV MV line and LV line were under construction. The company managed the service from the end of 2007 when the distribution system was about 70% completed. The reconstruction will continue and completed within 2007.
87	Sok Kongkear	Replaced bare conductor by PVC insulated one. Wooden poles were still in use.
88	Khun Sophal	Has finished the construction of MV line and LV line in the first stage of development. Prepared to add new line next year. Some parts of distribution line not complied totally with technical standard.
93	Khut Chenda	Expanded distribution licensed area and built LV network

		according to technical standard.
95	Chan Simoly	Has improved distribution system by replacing old system by new PVC line with 25, 35mm2 cross section Aluminium conductor. The efficiency and quality were still far from acceptable value. The distribution line was far from technical standard.
96	Chear Sareth	Has improved distribution system by replacing old system by new PVC line with 25, 35mm2 cross section Aluminium conductor. The efficiency and quality were still far from acceptable value. The distribution line was far from technical standard.
97	Yin Each	Some part of distribution system was improved to the standard level.
101	Chhin Song	Many poles were replaced by concrete ones. Most of distribution line was installed with ABC conductor. About 1000 m of 90mm2 line and 1200 m of 35mm2 line were installed.
103	Nhem Phany	Replaced some 900m old line by 3 phase ABC 70 mm2 line and some 700 m old line by 3 phase ABC 50 mm2 line. Many poles were concrete.
104	Suon Sany	Has improved distribution system by replacing old line by new ABC line, but the efficiency was far from acceptable level and the structure did not comply with technical standard.
105	Soeung Sovanna	Has improved the whole distribution system by replacing old line by new PVC insulated line on concrete pole. Result: 1010 m of 3 phase PVC aluminum 70 mm2 line. About 15% of line along car track should be improved in the future. EAC issued new 5 years license term.
111	Kong Vun	Built MV line and LV line. LV line was installed on concrete pole with ABC conductor and covered most of the distribution licensed area. EAC increased license term from 5 to 10 years.
112	Ly Kung	Installed LV line on concrete pole and with ABC conductor. The line complied with technical standard. Expanded distribution licensed area. EAC issued new 5 years term for this license.
113	Nou Kruy	Replace some 400m old line by 3 phase ABC 70mm2 line.
118	Sok Kheng	Improved the distribution line using ABC and PVC insulated conductor of different crossed section (70, 50, 35 and 25 mm2)
122	E.D.Con.	Built new MV and LV distribution line which complied with technical standard.
124	Yeab Lav	Use of single phase MV line in force, but the distribution network did not comply to technical standard. Voltage problem was still to be solved.
131	Nhek Sokun	Built new LV line, which complied to Technical Standard
133	Hak Ly Seng	Replaced 135m old line by 3 phase ABC 70mm2 line and 500m old line by 3 phase ABC 50mm2 line.
134	Try Khlauk	22kV MV line was under construction
140	Chea	Installed the LV line along national road on concrete pole

	Channaroeun	about 50% and wooden pole about 50%, but mixed insulated and bare conductor. Voltage problem was still to be solved.

Note:
Some licensees, after their improvements in infrastructure, are waiting till the end of their current term to apply for new long term depending on the state of their improved infrastructure.

Chapter 5

Cost of Electricity from Independent Power Producers And Neighboring Countries And Electricity Tariff of Licensees

CHAPTER 5
Cost of Electricity from Independent Power Producers and Import from Neighboring Countries and Electricity Tariff of Licensees

5.1 Cost of Electricity from Independent Power Producers

Cost of Electricity per kilowatthour during a month in the year 2006 from each Independent Power Producers that generated electricity for sale to EDC at diferrent location and sale to distribution licensees at some provincial towns are given below.

Table 12: Cost of Electricity per kWh from Independent Power Producers

Name of Independent Power Producer	Cost in US Cents per kWh for the first 6 months of the year 2006					
	Jan	Feb	Mar	Apr	May	Jun
CETIC, Kirirom 1	7.00	7.00	7.00	7.00	7.00	7.00
CUPL, Phnom Penh	16.11	16.49	17.55	17.33	17.63	17.73
Jupiter, Phnom Penh	19.13	20.28	19.72	20.74	22.40	23.16
Edward Energy Supply Co., Ltd, Kg Chhnaing	20.07	20.32	20.57	20.95	21.85	21.10
Edward Energy Supply Co., Ltd, Purst	20.24	20.42	21.23	21.63	27.00	27.00
Han Seng Len, Pursat						
GTS, Kampong Cham	21.13	22.17	21.55	22.71	24.74	24.96
GPS, Prey Veng	22.11	21.45	22.65	24.60		
J.P.N Cambodia International Co., Ltd Takeo	20.91	20.17				
Union Victoria Asia, Battambang						
Khmer Electrical Power Co., Ltd Phnom Penh	12.70	13.27	13.52	13.73	13.86	13.45
City Power Group Corporation Phnom Penh	13.34	14.22	14.60	14.53	14.99	14.41
SHC, Siemreap		20.93	22.07	24.28	24.66	25.19
CEP, Phnom Penh				-	13.84	13.41
Colben System, Phnom Penh					23.51	24.96
Colben System, Sihanoukville						

Name of Independent Power Producer	Average Tariff in US Cents per kWh for the last 6 months of the year 2006					
	Jul	Aug	Sep	Oct	Nov	Dec
CETIC, Kirirom 1	7.00	7.00	7.00	7.00	7.00	7.00
CUPL, Phnom Penh	17.43	17.40	17.51	16.72	16.20	16.24
Jupiter, Phnom Penh						
Edward Energy Supply Co., Ltd, Pursat	-	-	-	-	-	-

Edward Energy Supply Co., Ltd, Kg Chhnang	21.77	21.36	20.31	19.91	19.34	19.36
Han Seng Len, Pursat	-	-	-	-	-	19.44
GTS, Kampong Cham	25.28	25.35	25.35	23.39	22.51	22.29
GPS, Prey Veng						
J.P.N Cambodia International Co., Ltd Takeo						
Union Victoria Asia, Battambang						
Khmer Electrical Power Co., Ltd Phnom Penh	13.71	13.56	12.44	12.31	12.00	12.03
City Power Group Corporation Phnom Penh	14.54	14.70	13.37	13.24	13.04	12.94
SHC, Siemreap	25.33	25.38	23.58	22.25	21.62	21.79
CEP, Phnom Penh	13.78	13.47	12.45	12.29	11.98	12.03
Colben System, Phnom Penh	14.90	-	13.10	13.18	12.84	12.97
Colben System, Sihanoukville		10.83	13.48	13.48	13.25	13.25

5.2 Cost of Electricity per kWh Imported from Neighboring Countries

Cost of electricity imported from Vietnam and Thailand is charged according to the agreements signed with the two countries. Accordingly during 2006, Vietnam charged a fixed rate of 6.9 US cents per kWh for electricity imported at medium voltage at different connection points. During 2006, electricity was imported from Vietnam at Memut and Ponhea Krek in Kampong Cham Province, Bavit and Svay Rieng in Svay Rieng Province, Kampong Trach in Kampot Province, Koh Thom in Kandal Province and Snoul in Kratie Province.

Cost of electricity from Thailand is as per the tariff of Provincial Electricity Authority for the applicable category of consumer. During 2006, the tariff for import from Thailand was a two part – time of use tariff. The tariff has demand charges (Baht per kilowatt of maximum demand), energy charges (Baht per kWh with different rates for energy drawn during peak and off-peak hours), service charges (fixed charge as Baht per month), power factor penalty (Baht per excess KVAR) and Ft (change in expenses charge in Baht/kWh). Because of such tariff structure, the cost of electricity may vary in different months due to different use conditions. The cost of electricity per kilowatthour in a month during 2006 imported from Thailand by licensees is given below.

Table 13: Cost of Electricity per kWh from Thailand

Licensee	**Cost of Electricity in Baht per kWh for the first 6 months of the year 2006**					
	Jan	Feb	Mar	Apr	May	Jun
Anco, Poipet	2.77	2.92	3.15	2.87	2.87	3.33
DFS, Kohkong	2.84	3.03	2.99	2.91	2.96	3.07
DFS, Osmach	2.97	3.06	3.02	2.91	2.95	3.11
MSP, Pailin	2.95	3.14	3.10	2.95	3.02	3.17
Franasie, Kamrieng	2.90	3.06	3.06	2.90	2.97	3.17
Franasie, Sampeou	3.21	3.34	3.31	3.16	3.29	3.42

Loun						
Franasie, Phnom Preuk	3.06	3.24	3.20	3.09	3.18	3.32
Sun Kim Import-Export						

Licensee	Cost of Electricity in Baht per kWh for the last 6 months of the year 2006					
	Jul	Aug	Sep	Oct	Nov	Dec
Anco, Poipet	3.26	3.16	3.19	3.08	3.08	3.11
DFS, Kohkong	3.03	3.11	3.09	3.03	3.05	2.99
DFS, Osmach	3.06	3.15	3.10	3.04	3.11	3.04
MSP, Pailin	3.25	3.17	3.15	3.11	3.19	3.07
Franasie, Kamrieng	3.04	3.15	3.13	3.05	3.14	3.06
Franasie, Sampeou Loun	3.31	3.45	3.43	3.32	3.38	3.30
Franasie, Phnom Preuk	3.21	3.35	3.29	3.21	3.27	3.20
Sun Kim Import-Export						3.26

5.3 Electricity Tariff Purchased from Neighboring Licensees

During 2006, three licensees purchased electricity from another distribution or consolidate licensee. The tariff applicable for such purchases is as follows:

1. Reeco Company supplying electricity in Kandal Province purchased energy from EDC at a tariff of 530 Riels per kWh
2. Vannakpheap Development Co., Ltd supplying electricity in Pailin City purchased enrgy from MSP Development Co., Ltd at a tariff of 6 bahts per kWh.
3. Electricity Development and Construction Company supplying electricity in Kampong Cham Province purchased energy from EDC at a tariff of 10 US Cents per kWh.

5.4 Electricity Tariff

5.4.1 Tariff of EDC for Phnom Penh and Kandal Province

During 2006, the electricity tariff of EDC for Phnom Penh and Kandal Province, from 1st November 2005 is given below.

Table 14: Tariff of EDC for Phnom Penh and Kandal Province effective from invoices issued from 1st November 2005

Category of Consumer	Electricity Tariff, Riels/kWh	Condition
Domestic	390	All kWh if consumption up to 50 kWh/Month

	610	All kWh if consumption between 51 to 100 kWh/Month
	720	All kWh if consumption more than 100 kWh/Month.
Embassy, NGO and Foreigner's Residence	890	
Customer paid by Government budget	780	
Commercial (business) and Industrial customers	Tariff rate = average price of the total electricity purchased last month + 0.036 $US/kWh	For small commercial and Industrial customers
	Tariff rate = average price of the total electricity purchased last month + 0.028 $US/kWh	For medium commercial and Industrial customers
	Tariff rate = average price of the total electricity purchased last month + 0.024 $US/kWh	For big commercial and Industrial customers
	Tariff rate = average price of the total electricity purchased last month + 0.020 $US/kWh	For commercial and Industrial Customer who is directly connected to MV

In the tariff for EdC approved by EAC to be effective from invoices issued from 1st November 2005, the tariff rate of small commercial and industrial consumer in a month also is calculated on the basis of average price of the electricity purchased during last month. The tariff rate for commercial and industrial consumers calculated on the above basis for different months is given in the following Table.

Table 15: Tariff of EDC for Phnom Penh and Kandal Province for Commercial and Industrial Consumers

Category of Consumers	Tariff for Commercial and Industrial Consumers in $US					
	Jan 2006	Feb 2006	Mar 2006	Apr 2006	May 2006	Jun 2006
Small	0.1784	0.1824	0.1876	0.1942	0.1940	0.1991
Medium	0.1704	0.1744	0.1796	0.1862	0.1860	0.1911
Big	0.1664	0.1704	0.1756	0.1822	0.1820	0.1871
MV	0.1624	0.1664	0.1716	0.1782	0.1780	0.1831

Category of Consumers	Tariff for Commercial and Industrial Consumers in $US					
	July 2006	August 2006	Sept 2006	Oct 2006	Nov 2006	Dec 2006
Small	0.1790	0.1746	0.1704	0.1655	0.1631	0.1665
Medium	0.1710	0.1666	0.1624	0.1575	0.1551	0.1585
Big	0.1670	0.1626	0.1584	0.1535	0.1511	0.1545
MV	0.1630	0.1586	0.1544	0.1495	0.1471	0.1505

5.4.2 Electricity Tariff of EDC at Provincial Towns, Cities and Big Town Centers Revision dated October 26, 2005

EAC have approved to revise the electricity tariff in distribution areas of EDC for provincial towns/cities and some big town centers in EAC's session No. 57 dated October 26, 2005 as given in Tables below. The revised tariff is effective from the invoices issued from 1st November 2005.

Table 16: Electricity Tariff of EDC for Provincial Town of Kampong Speu effective from invoices issued from 1st November 2005

Category of Consumer	Electricity Tariff, Riels/kWh	Condition
Domestic	720	
Embassy, NGO and Foreigner's Residence	890	
Customer paid by Government budget	780	
Commercial (business) and Industrial customers	Tariff rate = average price of the total electricity purchased last month + 0.036 $US/kWh	For small commercial and Industrial customers
	Tariff rate = average price of the total electricity purchased last month + 0.028 $US/kWh	For medium commercial and Industrial customers
	Tariff rate = average price of the total electricity purchased last month + 0.024 $US/kWh	For big commercial and Industrial customers
	Tariff rate = average price of the total electricity purchased last month + 0.020 $US/kWh	For commercial and Industrial Customer who is directly connected to MV

The tariff rate for commercial and industrial consumers calculated on the above basis for different months is the same as given for Phnom Penh in Table No.15.

Table 17: Electricity Tariff of EDC for Sihanoukville effective from invoices issued from 1st November 2005

Consumer	Category	New Electricity Tariff per kWh
Domestic	all	720 Riels
Embassy, NGO and Foreigner's Residence	Small	0.200$US
	Medium	0.184$US
	Big	0.170$US
	Medium Voltage	0.160$US
Customer paid by Government	all	760 Riels

budget		
Commercial customer	Small	0.195$US
	Medium	0.180$US
	Big	0.164$US
	Medium Voltage	0.150$US
Industrial and workshop customer	Small	0.175$US
	Medium	0.160$US
	Big	0.147$US
	Medium Voltage	0.135$US

Table 18: Electricity Tariff of EDC for Provincial Town of Siem Reap effective from invoices issued from 1st November 2005

Category of Consumer	New Electricity Tariff, Riels/kWh
Small consumer	870
Medium consumer	830
Big consumer	780
MV Customer	720

The categories of consumers of EDC at provincial town of Siem Reap are defined as follows.

Small consumer – Consumers connected to the public LV network, do not have minimum limitation usage condition.

Medium consumer - Consumers connected to feeder from separate transformer substation and should guarntee minimum electricity take of 20,000 kWh per month.

Big consumer - Consumer connected to the transformer substation located in or next to his/her location and should guarntee minimum electricity take of 50,000 kWh per month. No prohibition for other customers to use this transformer substation.

Customer who is directly connected to MV (MV customer) – Consumer connected to medium voltage system and should guarntee minimum electricity take of 80,000 kWh per month.

Table 19: Electricity Tariff of EDC for Provincial Towns and other Big Town Centers effective from invoices issued from 1st November 2005

Distribution Areas of EDC	Electricity Tariff per kWh	Condition
Provincial Town of Kampong Cham	940 Riels	all consumer
Provincial Town of Steung Treng	1,220 Riels	all consumer
Provincial Town of Rattanakiri	670 Riels	all consumer
Provincial Town of Banteay Meanchey and	1,220 Riels	all consumer

Monkol Borey District Town		
Provincial Town of Kampot	1,220 Riels	all consumer
Provincial Town of Prey Veng	1,220 Riels	all consumer
Provincial Town of Battambang	0.272$US	all consumer
Provincial Town of Takeo and Ang Tasom Center	1,000 Riels	all consumer

5.4.3 Electricity Tariff of EDC for other areas

The tariff of EDC for other areas during 2006 is given in the Table below.

Table 20: Electricity Tariff of EDC for Other areas

Distribution Areas of EDC	Electricity Tariff per kWh	Condition
Memot, Pohnea Krek and Bavet	650 Riels	Low Voltage
	11.5 US Cents	Medium Voltage
Kampong Trach	650 Riels	Small and medium consumers
	11.5 US Cents	Big consumers
Svay Rieng, Kampong Row, Svay Teap	650 Riels	all consumers

5.4.4 Electricity Tariff of Licensees approved and revised by EAC

Besides the electricity tariff of EDC, during 2006 EAC has approved the electricity tariff of other licensees is given in the Tables below.

Table 21: Electricity Tariff of Licensees approved by EAC during 2006

Licensee and Distribution Area	Electricity Tariff per kWh	Condition	date from which tariff is effective
Mr. Chan Thon, Provincial town of Preah Vihear	1900 Riels	All consumers	Invoice issued from 15 Feb 2006
	2,200 Riels	All consumers	Invoice issued from 15 Sept 2006
Reeco Company, Preakthmey & Chheu Teal	720 Riels	All consumers	Invoice issued from March 2006
Sun Jin & Chilbo Industrial Co., Ltd, Provincial Town of Kampong	1,400 Riels	all consumers	Invoice issued from 15 Apr 2006

Thom			
	1,600 Riels	all consumers	Invoice issued from December 2006
Electricity of Kratie Province, Provincial Town of Kratie	1,400 Riels	All Consumers	Invoice issued from March 2006
	1,600 Riels	All Consumers	Invoice issued from December 2006
Duty Free Shop Co, Ltd, Oddor Meanchey Provincial Town	11 Bahts	small and medium consumer	From supply commencement date
	0.115$US	Big consumer,	
Mr. Sok Thy, Phsar Veal Rinh Town	1,700 Riels	All Consumers	Invoice issued from March 2006
	1,850 Riels	All Consumers	Invoice issued from 15 July 2006
Mr. Khun Sambo, Phsar Prey Toteung Town	2,200 Riels	All Consumers	Invoice issued from August 2006
Mr. Heng Tray, Phsar Saangkhantbong Town	2,450 Riels	All Consumers	Invoice issued from November 2006
Mr. Koeung Rithy, Phsar Saang Khangcheung Town	2,400 Riels	All Consumers	Invoice issued from November 2006
Mr. Samrith sothy, Sre Ambil District Town	2300 Riels	All Consumers	Invoice issued from December 2006

5.4.5 Electricity Tariff for electricity supply areas of other licensees

Information on electricity tariffs for electricity supply areas of other licensees is shown in **Annex 8**.

Chapter 6

Report on Generation, Import, Transmission and Supply of Electricity

CHAPTER 6
Report on Generation, Import, Transmission and Supply of Electricity

The present power system in the Kingdom of Cambodia still consists of many isolated systems; does not have grid interconnection lines. Phnom Penh, provincial towns and other small towns have their own power system. Licensees in small towns, close to Cambodia - Vietnam border and Cambodia - Thai border, purchase electricity from neighboring countries for supply to the consumers in their areas but other areas have their own generation facilities. The biggest power system is Phnom Penh power system. It supplies electricity to Phnom Penh and areas around it.

6.1 Electricity Generation and Installed Capacity

6.1.1 Generation by Licensee category

Two types of licensees generate electricity in the Kingdom of Cambodia. Independent Power Producers who have generation licenses generate and sell electricity to a supplier as per Power Purchase Agreement with that supplier and Consolidated Licensees generate electricity for supply through its distribution system. Electricité du Cambodge is the biggest consolidated licensee.

The information on operation data of individual Generation Licensees, Electricite du Cambodge and Consolidated Licensees is given in **Annex 3, Annex 5** and **Annex 6** respectively. The summery information about installed capacity and energy sent out by the Independent Power Producers, EDC and Consolidated licensees is given in **Annex 2(a)**. The quantum of energy sent-out by the Independent Power Producers, EDC and Consolidated licensees is shown in the graphic given below.

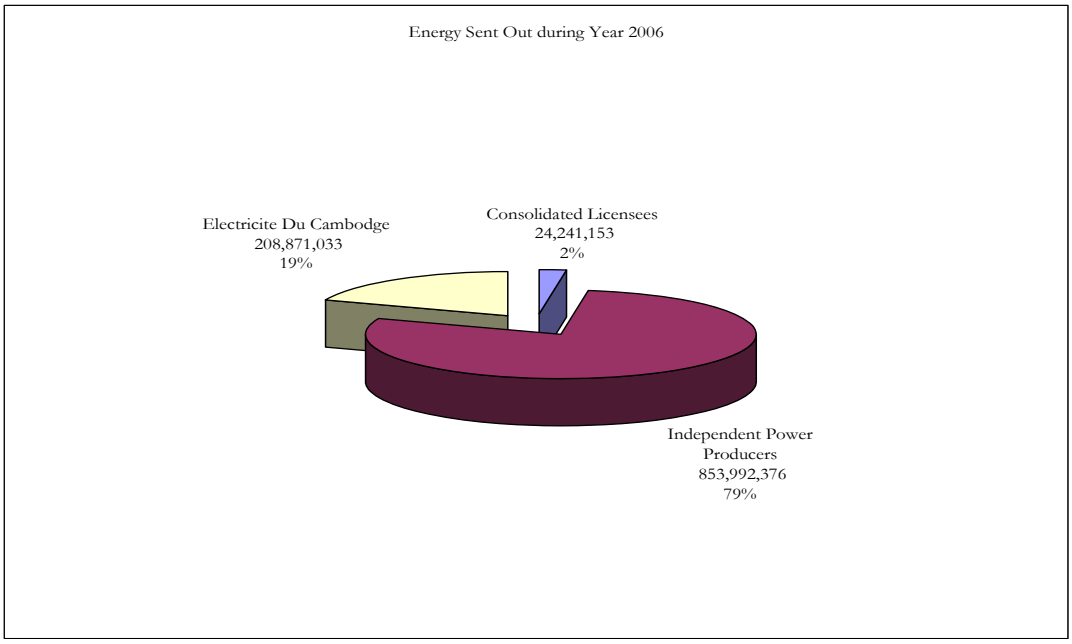

Figure 3: Energy sent out in 2006

6.1.2 Generation by Type of Generation Facilities

For the year 2006, electricity generation facilities in the Kingdom of Cambodia can be divided into 3 types: 1 - Hydropower Plants, 2 - Diesel power Plants and 3 – Wood and other Biomass. There are two Hydropower Plants, one at Kirirom connected to Phnom Penh power system and the other one at Ratanakiri connected to Ratanakiri power system of EDC. Mr. Dung Lay, supplying electricity at Ang Long Tamey, and SL Garment Processing (Cambodia) Ltd, supplying its part of generation to EDC Phnom Penh, use wood, agricultural products or waste as fuel for generation of electricity. All other power plants of the licensees are diesel power plants using Heavy Huel Oil (HFO) and Light Diesel Oil (LDO). The summery information on installed capacity and energy sent out by type of generation is given in **Annex 2(b)**.

The quantum of energy sent-out by the Independent Power Producers, EDC and Consolidated licensees classified by generation type is shown in the graphic given below.

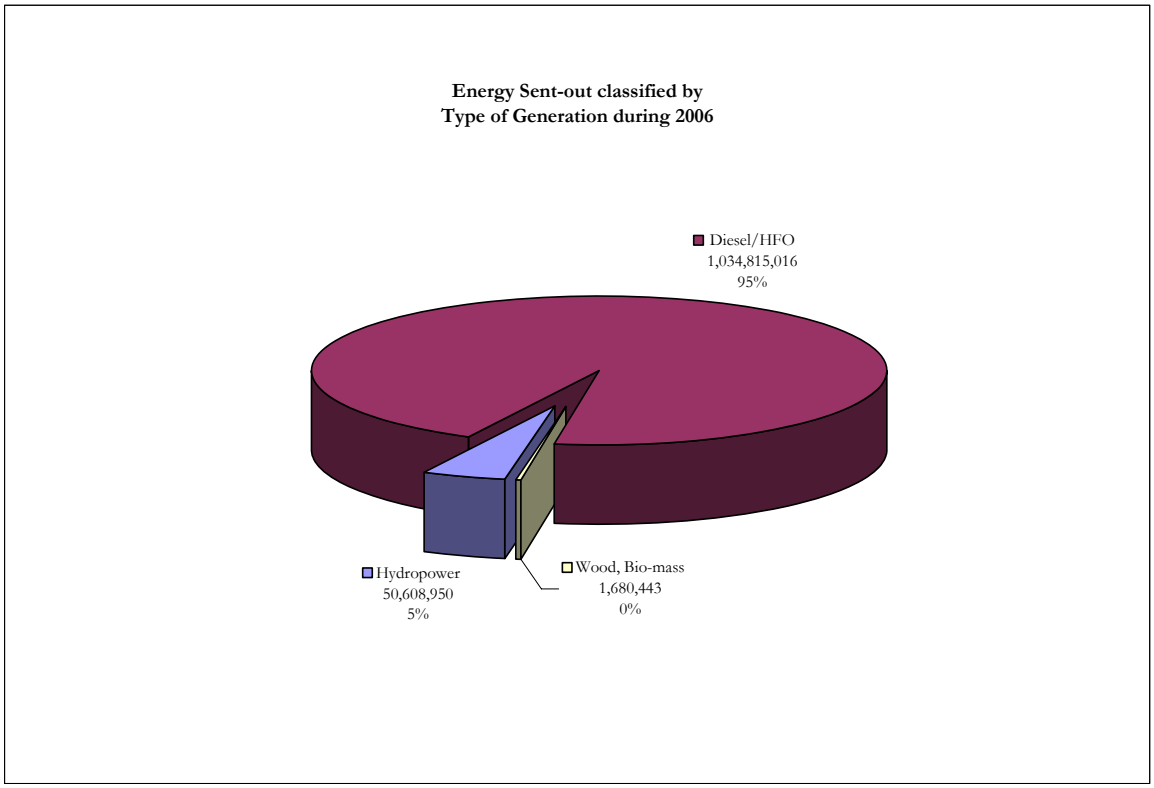

Figure 4: Energy Sent-Out Classified by Generation Type

6.1.3 Generation by Capacity of Generation Plant

The capacity of the machines for the generation facilities of the Licensees varies widely. The biggest capacity of the machines is 8,032 kW and the smallest capacity of the machines is 12 kW. Similarly the capacity of the generation plant at different power houses also varies widely. The largest plant capacity of 48,192 kW is that of KEP and CEP at Phnom Penh and the smallest plant capacity of a licensee is 12 kW of Mr. Dung Ly at Phum Ang Long Tamey, Khum Chheuteal, Banorn District, Battambang province, which is the power plant operated by biomass energy. Summary information about the energy sent-out classified by generation plant size is shown in **Annex 2(c)**. The quantum of energy sent-out by the Independent Power Producers, EDC and Consolidated licensees classified by generation plant size is shown in the graphic given below.

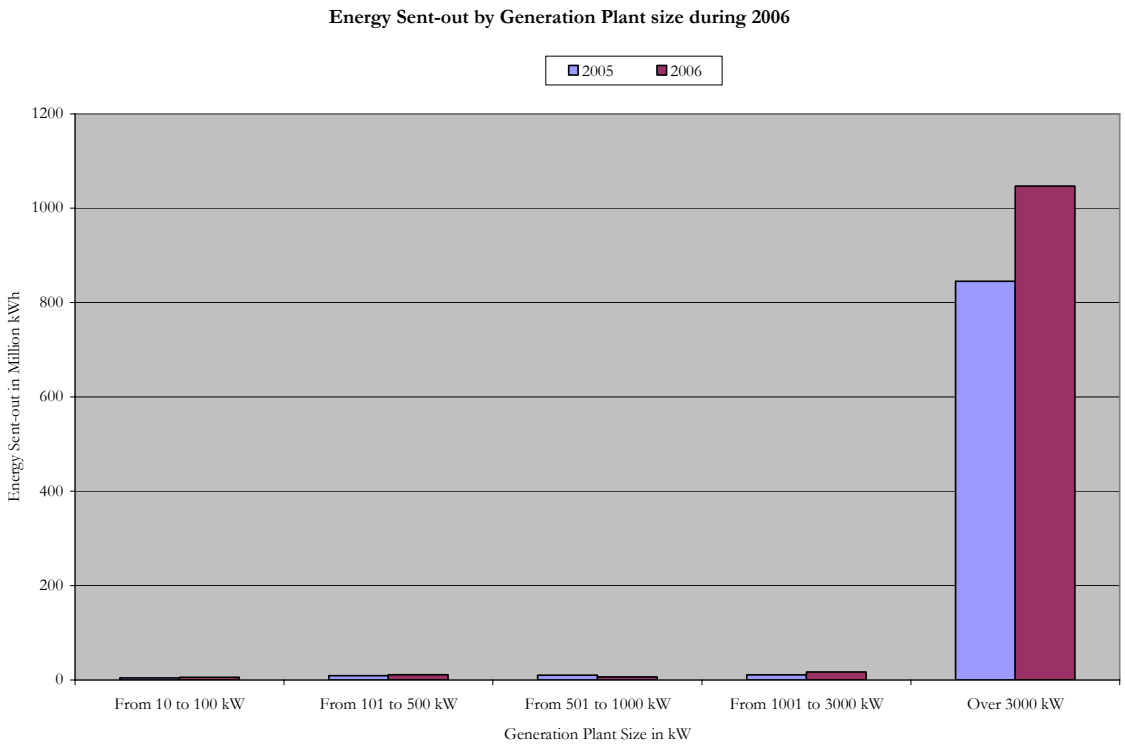

Figure 5: Energy sent out classified by power plant size

6.1.4 Installed Capacity in all 24 cities/Provinces

The province-wise information on the installed generation capacity of licensees operating in different cities/provinces as on December 31, 2006 is given in Table below.

Table 22: Information on total installed generation capacity of Licensees in each City/Province

No.	Name of City/Province	Installed Capacity, kW
1	Banteay Meanchey	3,726.6
2	Battambang	8,470
3	Kampong Cham	5,682.4
4	Kampong Chhnang	3,615
5	Kampong Speu	13,386
6	Kampong Thom	2,890
7	Kampot	3691

8	Kandal	2,034.8
9	Koh Kong	816
10	Kratie	160
11	Mondol Kiri	-
12	Phnom Penh	207,204
13	Phrea Vihear	512
14	Prey Veng	4,338
15	Pursat	2,480.8
16	Ratanakiri	960
17	Siem Reap	17,852.4
18	Sihanoukvill	16,346.4
19	Stueng Treang	1,640
20	Svay Rieng	1,000
21	Takeo	3,330.1
22	Uddor Meanchay	-
23	Krong Kaeb	-
24	Pailin	-

6.2 Energy Imported from Neighboring Countries

As a result of the cooperation between the Royal Government of Cambodia and The Government of Thailand and the Government of Vietnam, the Distribution Licensees operating in the areas close to the Cambodia - Thai and Cambodia - Vietnam borders are allowed to purchase electricity from Thailand and Vietnam to supply in their areas of supply. Based on the Electricity Trade Agreement between Ministry of Industry, Mines and Energy of Cambodia with the Ministry of Industry of Vietnam, EDC has signed the Power Purchase Agreement with Vietnam Power No.2 for supply of electric energy to areas located near the Cambodia – Vietnam border. Some private companies have received the right from MIME to purchase electricity from Provincial Electricity Authority of Thailand for supply to areas near Cambodia – Thai border. At present the import of power from Vietnam and Thailand is at a voltage of 22 kV.

Contracted capacity and quantity of electricity imported for year 2004 and 2005 and the name of licensees and areas of supply are shown in the Table below:

Table 23: Contracted capacity and Energy Imported from Neighboring Countries

Name of the	Area of Supply	d C a	Energy Imported, kWh

Licensee			Year 2005	Year 2006	Increamental %
1. Energy Imported from Thailand					
Franasie Import Export Co., Ltd	District Center of Kamrieng	1,000	3,105,732	3,.382,548	8.91
	District Center of Phnom Preuk	1,000	770,808	1,040,196	34.95
	District Center of Sampeou Loun	1,000	1,160,508	1,388,556	19.65
M.S.P. Development Co. Ltd	Phum Phsar Prum	2,500	4,887,880	6,390,400	30.74
Anco Brothers Co., Ltd.	Ochraov District	5,000	29,072,880	27,566,400	-5.18
Duty Free Shop Co. Ltd	Provincial Town of Koh Kong	2,000	12,624,000	13,938,480	10.41
	Osmarch Town	2,000	5,216,420	8,844,080	69.54(1)
Sinn Khim Import Export Co, Ltd	Malay District town	1,000		621,732	
2. Energy Imported from Vietnam					
Electricité du Cambodge	Ponhea Krek District	700	7,733,000	11,821,700	52.87
	Memot District	1,750	6,527,100	11,845,000	81.47
	Bavit commune	800	8,619,000	14,701,200	70.57
	Kampong Trach	1,000	1,044,500	1,628,200	55.88
	Svay Rieng	2,000		2,108,800	
Anco Brothers Co., Ltd	Chrey Thom and Saang District	1,000	497,400	2,935,800	490.23
Electricity of Kratie Province	Snoul District, Kratie Province	1000	986,600	1,484,700	50.49
3. Total		**23,750**	**82,245,828**	**109,697,792**	**33.38**

(1)Include supply to Uddar Meanchey provincial town from May 2006.

6.3 Electricity Purchase from neighbouring licensed zone

Vannakpheap purchases electricity imported from Thailand by MSP to supply in Pailin town. EDCON purchases electricity imported from Vietnam by EdC to supply in zone Steung. REECO purchases electricity from EdC Phnom Penh to supply in zone Koh Krabey. The energy purchased by these licensees during 2006 is given in the following Table.

Table 24: Energy Purchased from neighboring Licensees

Seller	Buyer	Distribution zone	Energy Purchased in kWh
MSP Dev. Co, Ltd.	Vannakpheap Dev. Co, Ltd.	Pailin	1,672,080
EDC Pohnea Krek	Electricity Dev. And Const. Co, Ltd.	Steung town	7,440,233
EdC, Phnom Penh	REECo	Preakthmey	614,449

6.4 Electricity Transmission

6.4.1 High Voltage Transmission and Grid-Substation

In the year 2006 two high voltage lines exist: 1–115kV line around Phnom Penh and 2–115kV line from Kirirom 1 hydropower plant to Phnom Penh distribution system. Considering the purpose of utilization, the 115kV line around Phnom Penh is considered as operating for distribution services and 115kV transmission line that transmit electricity from Kirirom 1 hydropower plant to Phnom Penh's distribution system is considered as operating for transmitting electricity.

The summary information on High Voltage Transmission is given in Table 25 and on Grid-Substation is given in Table 26 below.

Table 25: Information about High Voltage Transmission Lines

No.	Name of Transmission Line	Ownership	Detail Information
1	Transmission line around Phnom Penh	EDC	Voltage: 115 kV Length: 22.71 Km Purpose: connects all 3 Grid - substation in Phnom Penh to stabilize and provide continuous of electricity supply
2	Transmission (Overhead Line) Kirirom 1 – Kampong Speu – Phnom Penh	EDC	Voltage: 115 kV Length: 111.24 Km Purpose: transmit electricity from Kirirom 1 hydropower plant to Kampong Speu and Phnom Penh

Table 26: Information about High Voltage Grid-Substation

No.	Name of Substation	Ownership	Detail Information
1	Substation No. 1 – Phnom Penh	EDC	Voltage: 115/22/15 kV Number and Size of Transformers: 2 x 30 MW Number of Outgoing Distribution Feeders: 15

			Number of Incoming Distribution Feeders: 4 Total Number of Distribution Feeders: 19
2	Substation No. 2 – Phnom Penh	EDC	Voltage: 115/22/15 kV Number and Size of Transformers: 1 x 30 MW Number of Outgoing Distribution Feeders: 13 Number of Incoming Distribution Feeders: 7 Total Number of Distribution Feeders: 20
3	Substation No. 3 – Phnom Penh	EDC	Voltage: 115/22 kV and 22/15 kV Number and Size of Transformers: 1 x 30 MW and 1 x 30 MW Number of Outgoing Distribution Feeders: 12 Number of Incoming Distribution Feeders: 4 Total Number of Distribution Feeders: 16
4	Substation – Kampong Speu	EDC	Voltage: 115/22 kV Number and Size of Transformers: 1 x 6.3 MW Number of Outgoing Distribution Feeders: 1 Number of Incoming Distribution Feeders: 1 Total Number of Distribution Feeders: 2

6.4.2 Energy Transmitted

Information about energy transmitted is shown in the Table below:

Table 27: Energy Transmitted

No.	Name of Licensee	Transmission Lines	Energy Transmitted, kWh	
			Year 2005	Year 2006
1	Electricité du Cambodge	Kirirom 1 – Kampong Speu – Phnom Penh	40,853,652	47,652,750

6.5 Electricity Distribution

6.5.1 Electricity Distribution Facilities

In general in the Kingdom of Cambodia, the consolidated licensees and distribution licensees, having the right to distribute electricity in their authorized areas, own the electricity distribution facilities in their area. At present, step down substation from high voltage to medium voltage, MV lines, transformer substation, LV lines and equipment for electricity supply to the customers are considered as distribution facilities.

Information on distribution facilities in the Kingdom of Cambodia for year 2006 is shown in the Table below:

Table 28: Information on Electricity Distribution Facilities

Name	Unit	Number/Length of the lines	
		Year 2005	Year 2006

1 – 22 kV MV lines:	Kilometer	974.29	1250.18
- Underground cables	Kilometer	354.89	380.74
- Overhead Lines	Kilometer	619.40	869.44
2 – 15 kV MV lines:	Kilometer	45.61	20.26
- Underground cables	Kilometer	20.51	0.06
- Overhead Lines	Kilometer	25.10	20.20
3 – 10 kV MV lines:	Kilometer	18.02	
- Underground cables	Kilometer	0.32	
- Overhead Lines	Kilometer	17.70	
4 – 6.6 kV MV lines:	Kilometer	41.02	
- Underground cables	Kilometer	0.40	
- Overhead Lines	Kilometer	40.62	
5 – 6.3 kV MV lines:	Kilometer	92.75	90.17
- Underground cables	Kilometer	6.02	5.17
- Overhead Lines	Kilometer	86.73	85.00
6 – LV lines:	Kilometer	2,064.24	2,524.65
- Underground cables	Kilometer	156.13	149.65
- Overhead Lines	Kilometer	1,908.11	2,375.00
7 – Transformer Substation:	Number	376	
- Transformer	Unit	1,120	1,425
- Capacity	MVA	748.95	893.42

6.5.2 Quantity of Electric Energy Sold and Number of Consumers

Information on energy generated and purchased, energy sold, percentage of losses and number of consumers for groupings based on broad characteristics of operationis given in the Table below:

Table 29: Information on energy generated and purchased, energy sold, proportion losses and number of consumers classified by area of supply

Area of Service	Energy Generated and Purchased, Million kWh	Energy Sold, Million kWh	Losses in %	Number of Consumers
Phnom Penh system	911.188	805.652	11.58	182,222
Areas getting supply from Vietnam	44.803	41.361	7.68	15,456
Areas getting supply from Thailand	63.172	58.838	6.86	14,760
Other Provincial Towns	163.886	136.559	16.67	85,133
Other areas and Rural areas	20.150	14.748	26.81	60,699
Total	**1,203.199**	**1,057.158**	**12.14**	**358,270**

Information on the quantity of generation, purchase, sold, loss and number of consumers of each licensee are **shown in Annex 4, Annex 5** and **Annex 6**.

Annex 1
Province wise Area of supply served by Distribution, Retail and Consolidated Licensees for the Year 2006

Province/city	Location of Services	License Number	Name of Licensee	Situation of Suppy per Day
1-Bantay Meanchey	Banteay Meanchey Provincial Town and Mongkul Borei District Town	001L	EDC	Supply 24 hours
	Poipet and Kaun Damrei, O Chrov district	011L	Anco Brothers Co., Ltd	Supply 24 hours
	Phsar Osnguot Town, Khum O-Prasat, Monkulborey District	077L	Mrs Chao Nuy	8 hours: From 17:00 to 23:00 and from 12:00 to 14:00
	Phsar Kutasat Town, Khum Nimit and kob, Ochrov District	078L	Mr.Vorn Yeang	5 hours: From 17:00 to 22:00
	Phsar Phnomtoch Town, Khum Phnomtoch, Monkulborey District	079L	Mr.Thon Thoeung	9 hours: From 11:00 to 15:00 and from 18:00 to 23:00
	Phsar Banteay Neang Town, Khum Banteay Neang, Monkulborey District	080L	Mr. Sok Vitith	10 hours: From 11:00 to 17:00 and from 18:00 to 22:00
	Phsar Phnomsrok Town	081L	Mr. Muon Han	6 hours: From 17:00 to 23:00
	Thmor Puok District Town	087L	Mrs. Sok Kongkea	9 hours: From 11:00 to 14:00 and from 17:30 to 23:30
	Phsar Phnom Thom Tbong Town, Khum O-Prasat, Mongkul Borei District	105L	Mr. Soeung Sovanna	7 hours: From 05:00 to 07:00 and from 17:00 to 22:00
	Preahnet Preah District	108L	Mrs. Sin Savuon	6 hours: From 11:30 to 13:30 and from 18:00 to 22:00
	Malay district town	149L	Sinn Khim Import Export Co., Ltd	Supply 24 hour
2-Battambang	Provincial Town of Battambang	001L	EDC	Supply 24 hour

	District Center of Komrieng, Phnom Proeuk and Sampeou Loun	008L	Franasie Import Export Co., Ltd	Supply 24 hour
	Thmor Kol Town, ThmorKol District	043L	Mr. Lay Se	Supply 24 hour
	Khum Phnom Sampao, Banan District	068L	Mrs. Tuoch Montha	11 hours: From 04:30 to 07:00; from 11:00 to 14:00 and from 17:00 to 22:30
	Rattanakmondul District Town	069L	Mr. Nob Bin	10 h 30m: From 04:00 to 06:30, from 11:00 to 13:30 and from 18:00 to 23:30
	Khum Prek Khpob and Khum Prek Luong, Ek Phnom District	091L	Mr. Sun Pov	12 h 30m: From 9:00 to 16:00 and From 18:00 to 23:30
	District Town of Mongrussey (Left Hand Side of National Road No. 5, Direction from Phnom Penh to Battambang)	109L	Mrs. Tieng Chenda	Supply 24 hour
	District Town of Mongrussey (Right Hand Side of National Road No. 5, Direction from Phnom Penh to Battambang)	110L	Mrs. Sea Kech	Supply 24 hour
	Phum Ang Long Tamey, Khum Chheuteal, Banorn District	117L	Mr. Dung Ly	11 hours: From 9:00 to 15:00 and from 17:00 to 22:00
3-Kampong Cham	Provincial Town of Kampong Cham	001L	EDC	Supply 24 hours
	Ponhea Krek District	001L	EDC	Supply 24 hours
	Memut District	001L	EDC	Supply 24 hours
	Phsar Prey Toteung Town, Prey Chhor District	023L	Mr. Khun Sambo	Supply 24 hours
	Phsar Phaav Town, Khum Paav, Batheay District	026L	Mr. Chang Bunnaret	7 hours: From 4:30 to 6:30 and From 18:00 to 23:00
	Phsar Suong Town, Tbong Khmom District	027L	Mr. Kuy Sour	20 hours: From 04:00 to 24:00
	Phsar Chamkar Leu Town,Chamkaleu District	038L	Mr. Sieng Seng	6 hours: Form 12:00 to 14:00 and From 18:00 to 22:00
	Phsar Skun Town, Khum Soteb, Chheung Prey District	047L	Mr. Mom Dara	20 hours: From 03:30 to 23:30

	Phsar Boskhnor Town, Khum Boskhnor, Chamkaleu District	056L	Mrs. Nhek Theary	14h 30m: From 04:30 to 07:00 and 11:00 to 23:00
	Phsar Steungtrang Town, Khum Prekok, Steung Trang District	057L	Mr. Chin Sohin	4 hours: From 18:00 to 22:00
	Khum Mesorchrey, Steung Trang District	060L	Mrs. Eam Sreng	10 hours: From 11:00 to 17:00 and 18:00 to 22:00
	Phsar Mean Town, Khum Mean and Trapaingpreah, Preychor District	065L	Mr. Chuo Sroan	6 hours: From 05:00 to 06:00 and from 18:00 to 23:00
	Phsar Svayteab Town, Khum Svayteab, Chamkaleu District	074L	Mr. Mean Vanna	10h 30 m: From 11:00 to 17:00 and 18:00 to 22:30
	Phsar Speu Town, Khum Speu and Chayyo, Chamkaleu District	075L	Mr. Chhay Kimhuor	5 hours: From 18:00 to 23:00
	Phsar Tnaltoteung Town, Khum Chob, Tbongkhmom District and Khum Sre Spey, O Raing Ov District	085L	Kampong Cham City Power Co., Ltd	6 hours: From 17:30 to 23:00 till September 2006; 24 hours from October 2006
	O Raing Ov District Town	088L	Mr. Khun Sophal	17 hours: From 04:00 to 09:00, 10:00 to 15:00 and 17:00 to 24:00
	Stoeng Town, PonheaKrek District	122L	E.D.Con. Co., Ltd	Supply 24 hour
	Phum Choeung Chnok, Khum Taingkrang, Bathay District	130L	Mr. Am Hort	3h 30m: From 1800 to 21:30
	Phum Phkay Prek, Khum Mean, Preychhor District	131L	Mrs. Nhek Sokon	4 hours: From 18:00 to 22:00
	Phum Taong, Khum Taong, Chamkar Leu Distric	140L	Mr Chea Chan Naroeun	9 hours: From 4:00 to 7:00 and From 17:00 to 23:00
4-Kampong Chhnang	Phsar Ponley Town, Khum Ponley, Boribor District	040L	Mr. Mok Heat	7 hours: From 04:30 to0 6:30 and from 18:00 to23:00
	Kampong Tralach District Town	041L	Mr. Ty Sokhun	20 hours: From 04:00 to 24:00
	Provincial Town of Kampong Chhnang	051L	Sovanny Electricity Development Co.Ltd	Supply 24 hours

	Phsar Prey Khmer Town, Khum Andong Snay and Rolea Phear, Rolea Phear District	095L	Mrs. Chan Simoly	12 hours: From 04:00 to 06:00, from 10:00 to 14:00 and 18:00 to 24:00
	Phsar Pong Ro Town, Khum Pong Ro and Svay Chrum, Rolea Phear	096L	Mr. Chea Sareth	12 hours: From 04:00 to 06:00, from 10:00 to 14:00 and 18:00 to 24:00
	Teuk Phos District Town	119L	Mr. Un Sophal	14 h 30m:From 07:30 to 12:00, 14:00 to 17:30 and 18:00 to 24:30
5-Kampong Speu	Kg Speu provincial town	001L	EDC	24 hours
	Khum Trapaing Kong, Somrong Tong District	053L	Mr. Long Nget	15 hours: From 4:00 to 6:00 and from 11:00 to 24:00
	Phsar Tram Khnar Town, , Khum Snorm Krapeu and Khum Chung Rouk, Korng Pisey District	064L	Mr. Chhin Seng	Supply 24 hours
	Phsar Trapaing Kraleung Town, Khum Kirivoan, Phnom Sruoch District	067L	Mr. Sok Hoy	15 hours: From 7:00 to 22:00
	Phsar O'dong Town, Khum Viangchas, O'dong District	076L	Mr. Quach Edward	Supply 24 hour
	Phsar Trengtrayeng Town, Khum Trengtraeng, Phnomsroch District	082L	Mr. Ly Sok Kry	20 h 30m: From 04:00 to 24:30
	Khum Tuol Ampil, Borset District	084L	Mr. Mok Chen	Monday to Friday From 17:00 to 22:30 and on Saturday and Sunday from 15:00 to 22:30
	Phsar Battdeung Town, Udong District	099L	Mr. Leng Mov	Supply 24 hours
	Phsar Thnalbort Town, Khum Por Ankrang, Bor Seth District	101L	Mr. Chhin Song	Supply 24 hours
	Phum Phsar Deumroka town, Khum Veal, Kongpisey Distric	135L	Mrs. Dik Rin	7 hours: From 11:00 to 13:00 and from 17:00 to 22:00
	Phum Phsar Talat Town, Khum O, Phnom Sruoch District	136L	Mrs Men Kunthea	4 hours: From 18:00 to 22:00
	Phsar Prey Phdao, Khum Trapaing Korng, Samroang Torng District	137L	Mr. Tim Som	6 hours: From 17:00 to 23:00, Weekend additional from 11:00 to 14:00

6-Kampong Thom	Kampong Thmar Town, Khum Balang, Baray District and Khum Kampong Thmar, Santuk District	006L	Mr. Huor Pheng	Supply 24 hours
	Provincial Town of Kampong Thom	012L	Sung Jin & Chilbo Industrial Co., Ltd	Supply 24 hours
	Khum Treal Town, Baray District	019L	Mr. Te Kok Eng	17 hours: From 04:00 to 06:30 and 08:00 to 22:30
	Phsar Tang Kok Town, Khum Sovyong, Baray District	032L	Mr. Nhen Kong	10 hours: From 11:00 to 16:00, and from 18:00 to 23:00
	Phsar Baray Town, Khum Baray, Baray District	039L	Mr. Kim Chantara	19 hours: From 4:00 to 23:00
	Stong District Town	063L	Mr. Ong Hoksin	9 h 30m: From 4:30 to 07:00 and from 17:00 to 24:00
	Phsar Tangkrorsang Town, Khum Tangkrorsang and Khum Prasat, Santuk District	073L	Mr. Treung San	9 hours: From 11:00 to 15:00 and from 18:00 to 23:00
7-Kampot	Kampot provincial town	001L	EDC	Supply 24 hours.
	Kampong Trach District Town, Khum Oeuseysrok Khanglech and Khum Kampong Trach Khangkleut and Khum Kanthor Khanglech	001L	EDC	Supply 24 hours
	Phum Trapeang Ropao, Khum Prekthnot, Kampot District	042L	Mr. Kong Sophal	11 h 30m: From 4:00 to 7:00, 11:00 to 14:00 and From 17:00 to 22:00
	Phsar Chhouk Town, Chhouk District	044L	Mr. Kong Puthy	Supply 24 hours
	Banteaymeas District Town	093L	Mr. Khut Chenda	Supply 24 hour
	Angkor Chey District Town	097L	Mr. Yin Ech	5 h 30m: From 17:30 to 23:00
8-Kandal	Area around Phnom Penh	001L	EDC	Supply 24 hours
	Koh Thom District	011L	Anco Brothers Co., Ltd	Supply 24 hours
	Neakleung Town (West of Mekong River), Luek Dek District	021L	Mr. Nov Sokha	Supply 24 hours

	Phsar Rokakong Town, Mukkampoul District	037L	Mr. Eang Seng Hy	19 hours: From 04:00 to 23:00
	Tambon Treuy Sla, Sa Ang District	049L	Mrs. Khiev Nareth	12 hours: From 18:00 to 6:00
	Khum Prekthmey and Khum Chheu Teal, Kean Svay District	050L	Reeco Company	Supply 24 hour
	Phsar Thnal Toteung Town, Khum Damnak-Ampil, Ang Snoul Distict	053L	Mr. Long Nget	15 hours: From 04:00 to 06:00 and from 11:00 to 24:00
	Phsar Kampongkontourt Town, Khum Bakou, Kandalsteung District	058L	Mr. Chay Neng	5 hours: From 18:00 to 23:00
	Phsar Ang Snuol, Khum Peuk, Ang Snuol District	061L	Mr. Khoeun Sambath	7 h 30 m: From 11:00 to 14:00 and from 18:00 to 22:30
	Estern Phsar Prek Kdam Town, Khum Koh Chin, Ponhealeu District	062L	Mr. Keb Borey	5 h 30 m: From 17:00 to 22:30
	Phsar Prek Anhchang Town, Khum Prek Anhchanh, Mokampoul District	066L	Mr. Pean Sokhalay	Supply 24 hours
	Southern Phsar Saang Town, Khum Preakkoy, Saang District	071L	Mr. Heng Tray	Supply 24 hours
	Khum Vihearloung and Khum Kampongluong, Punnhea Leu District	076L	Mr. Quach Edward	Supply 24 hours
	Northern Phsar Saang Town, Sa Ang District	086L	Mr. Koeung Rithy	Supply 24 hours
	Ponhea Leu District	099L	Mr. Leng Mov	13 hours: From 11:00 to 24:00
	Phum Kdeychas, Khum Bak Kheng, Mukompol District	103L	Mr. Nhem Phany	Supply 24 hours
	Phum N°3, N°4 and N° 5, Khum Svay Rolom, Saang District	104L	Mr. Suon Sany	11 h 45 m: From 04:30 to 07:30, 10:45 to 13:15 and 17:15 to 23:30
	Phum Areyksat, Khum Areyksat, Lavea-Em District	114L	Ms. Chea Ting	4 hours: From 18:00 to 22:00
	Phum Kbalkoh, Khum Kohdach, Muk Kampoul District	143L	Mr Leang Chhunny	6 hours: From 17:00 to 23:00

	Phsar Siem Reap town, Khum Siem Reap, Kandal Stung District	144L	Mr Dok Liv	Supply 24 hours
	Khum Korky and Dey-Et, Keansvay District	150L	Akkisni Kien Svay	Operation not started in 2006
	Khum Svayrolum and Khum Setbb, Sa-Ang District	151L	Khmer Electricity Service Co., Ltd	Operation not started in 2006
9-Koh Kong	Koh Kong Provincial Town	014L	Duty Free Shop Co., Ltd	Supply 24 hours
	Sre Ambil District Town	028L	Mr. Samrith Sothy	Supply 24 hours
	Phum Koh Sdech, Khum Koh Sdech, Kirisakor District	106L	Mrs. Ann Samlan	Supply 24 hours
10-Kratie	Provincial Town of Kratie	059L	Electricity of Kratie Province	Supply 24 hours
	Snuol District town	059L	Electricity of Kratie Province	Supply 24 hours
11-Krong Kep	-	-	-	-
12-Mondulkiri	-	-	-	-
13-Oddor Meanchey	Osmach Town, Khum Osmarch, Samrong District	014L	Duty Free Shop Co., Ltd	Supply 24 hours
	Oddar Meanchey provincial town	014L	Duty Free Shop Co., Ltd	Supply 24 hours Form June 2006
14-Pailin City	Area along Road No. 10 from Phum Phsar Prom, Sangkat Stung Kach,. Salakrao to Sangkat Tuol Lavear, Khan Pailin	009L	MSP Development co., Ltd	Supply 24 hours
	Pailin City	089L	Vannak Pheap Devlopment Co., Ltd	Supply 24 hours
15-Phnom Penh	Phnom Penh	001L	EDC	Supply 24 hours
	Phum Bakeng and Phum Ktor, SangKat Prek Leap, Khan Rusey Keo	090L	Mr. Ven Veasna	20 hours: From 00:00 to 06:00 and from 10:00 to 24:00
	Phum Bak Kheng, Sang Kat Prek Leap,Khan Rusey Keo	103L	Mr. Nhem Phany	Supply 24 hours

	O-Rusey Market, Phnom Penh	138L	Mr. Chea Sophea	Supply 24 hours
16-Preah Vihear	Provincial Town of Preah Vihear	031L	Mr. Chan Thun	Supply 24 hours
	Rovieng District town	128L	Mr Ieng Khorn	8 hours: 11:00-14:00, 17:30-22:30
17-Prey Veng	Prey Veng provincial town	001L	EDC	Supply 24 hours
	Neak Loeung Town (East of Mekong River), Peamro District	017L	Mrs. Bun Liv	Supply 24 hours
	Phsar Snay Pul Town, Khum Roka, Pearang District	018L	Mr. Ky Sophea	15h 30m: From 00:00 to 06:00 and from 11:30 to 14:00 and from 17:00 to 24:00
	Kar-Andoek Town, Khum Prasat, Kampong Trabek District	036L	Mrs. Pauch Kim	18 hours: From 00:00 to 07:00 and from 08:00 to 11:00 and from 16:00 to 24:00
	Phsar Kampong Popel Town, Khum Kampong Popel, Peareang District	045L	Mr. Keo Dara	8 hours: From 05:00 to06:00 and from 17:30 to 24:30
	Phsar Svay Antor Town, Khum Svay Antor, Prey Veng District	046L	Mr. Seng Sokun	Monday to Friday from 4:00 to 6:00 and from 17:30 to 23:00 and saterday and Sunday from 4:00 to 6:00 and from 15:00 to 23:00
18-Pursat	Phsar Beungknar Town, Khum Beungknar, Bakan District	033L	Mr. Chhuor Nguon	12 hours: From 7:00 to 15:00 and from 18:00 to 22:00
	Khum Trapeang Chong , Bakan District	034L	Mr. Toem Touch	14h 30m: From 06:30 to 17:00 and from 18:00 to 22:00
	Provincial Town of Pursat and parts of Kandeang District	052L	Nareth Co. Ltd Electricity Development	Supply 24 hours
	Phsar Svaydounkeo Town, Khum Svaydounkeo, Bakan District	072L	Mr. Ya Sambath	6 hours: From 16:00 to 22:00
	Khum O-Tapong, Bakan District	102L	Mr. Preab Vannareth	4 hours: From 18:00 to 22:00
	Phnom Kravanh District Town	124L	Mr. Yeab Lao	18 hours: From 5:00 to 23:00
	Krakor District town	125L	Mr. York Savong	20 hours: From 4:00 to 24:00
19-Ratanakiri	Provincial Town OF Ratanakiri	001L	EDC	Supply 24 hours
20-Siem Reap	Provincial Town of Siem Reap	001L	EDC	Supply 24 hours

	Pourk District Town	035L	Mrs. Chhuoy Phoeut	Supply 24 hours
	Phsar Domdek Town, Sonikom District	048L	Mr. Chhom Sophay	12h 30m: From 6:00 to 10:00 , 12:00 to 16:30 and 18:00 to 22:00
	Phsar Tnalchek Town, Khum Keang sangke and Damdeak, Sotnikum District	083L	Mr. Tun Yoeun	10 hours: From 4:00 to 5:00, from 11:00 to 16:00 and from 18:00 to 22:00
	Chikreng District Town	111L	Mr. Kong Vun	Supply 24 hours
	Chikreng District Town	112L	Mr. Ly Kang	Supply 24 hours
	Phum Phsar Kleang, Khum Kampong Kleang, Sotnikumr District	127L	Mr Te Hong Cheng	4 hours
	Phum Chork, Khum Sangveuy, Chikreng District	129L	Mrs Chrun Leang Suor	4 hours:
	Angkor Chum District Town	139L	Mr Duong Narin	4 hours:
	Zone 1, zone 2, Tourist and Cultural Zones, Siemreap	145L	Souching Electronic	Operation not started in 2006
21-Sihanoukville	Sihanoukville	001L	EDC	Supply 24 hours
	Phsar Veal Reinh Town and Phum Chheng Kor, Khan Preynob	029L	Mr. Sok Thy	Supply 24 hours
	Sangkat Tomnobrolok and Kompenh, Khan Stoeng Hav	030L	Mr. Ly Bunthy	Supply 24 hours
	Phsar Smachdeng, SangKat Ream, Khan Preynop	098L	Mrs. Kun Sivanny	5h 30m: From 17:30 to 23:00
	Sangkat Otresh, Khan Steung Hav	120L	Mr. Chan Keat	18 hours: From 11:00 to 15:00 and from 17:00 to 07:00
22-Steung Treng	Steung Treng provincial town	001L	EDC	Supply 24 hours
23- Svay Rieng	Svay Rieng provincial town, Kampong Row Town and Svay Teap Town	001L	EDC	Supply 24 hours
	Bavit District	001L	EDC	Supply 24 hours
24-Takeo	Takeo provincial town and Ang Tasom District town	001L	EDC	Supply 24 hours

	Areas along National Road No. 2 from Border to Kirivong District Town	013L	Mr. Mak Thorn	Supply 24 hours
	Phsar Samrong Yong Town, Khum Trapaing Sab, Baty District	015L	Mr. Srey Sokhom	13 hours: From 8:00 to 15:00 and From 17:00 to 23:00
	Phsar Kampong Chrey Town Located in Districts of Trang and Koh Andet	016L	Mr. Ke Kuyhuoy	4 hours: From 18:00 to 22:00
	Phsar Preylvea Town, Khum Preylvea, Prey Kabas District	020L	Mr. Chhou Lay	16 hours: From 7:00 to 23:00
	Phum Thmor Sor, Khum Korkpor, Boreychuolsa District	022L	Mr. Kong Phat	5 hours: From 18:00 to 23:00; Weekend extra From 11:00 to 17:00
	Phsar Sayva Town, Preykabas District	054L	Mrs. Ouch Por	9 hours: From 11:00 to 15:00 and from 18:00 to 23:00; Weekend extra From 7:00 to 23:00
	Phsar Preysandek Town, Khum Preyslek, Trang District	055L	Mr. Park Hean	4 hours: From 18:00 to 22:00
	Khum Sophy, Baty District	064L	Mr. Chhin Seng	Supply 24 hours
	Phsar Pangsey Town, Khum Kvao, Samrong District	084L	Mr. Mok Chen	5 hours: From 18:00 to 23:00
	Khum Beungtranh, Samrong District	101L	Mr. Chhin Song	Supply 24 hours.
	District Town of Angkor Borey	113L	Mr. Nou Kruy	8 hours: From 11:00 to 14:00 and from 18:00 to 23:00
	Baty District Town	118L	Mrs. Sok Kheng	12h 30m: From 7:30 to 15:00 and from 17:30 to 22:30
	Phsar Tramkork, Khum Tramkork, Tramkork District	121L	Mrs. Kaing Gech Seam	6 hours: From 17:00 to 23:00
	Khum Prey Romdeng and Khum Prey Ampork, Kirivong District	133L	Mr Hak Ly Seng	4 hours: From 18:00 to 22:00

	Phsar Romenh, Khum Romenh, Koh Andeth District	134L	Mr Try Khlork	10 hours: From 5:00 to 7:00, From 11:00 to 13:00 and From 17:00 to 23:00
	Khum Tang Daung, Bati District	135L	Mrs. Dik Rin	7 hours: From 11:00 to 13:00 and from 17:00 to 22:00
	Phum Phsar Yeay Trob Town, Khum Roveang, Samrong Distric	141L	Mr Chaing Kun	11h 30m: From 8:00 to 15:00 and From 18:00 to 22:30

Annex 2(a)
Summary Information about Energy Sent out and Installed Capacity

		Number of Licensees		Installed Capacity, kW		Proportion of Installed Capacity in % for 2006	Energy Sent Out, Million kWh		Proportion of energy sent out in % for 2006
		End of Year 2005	End of Year 2006	End of Year 2005	End of Year 2006		Year 2005	Year 2006	
1	Independent Power Producers	11	14	127,970	202,788	67.56	625.131	853.992	78.57
2	Consolidated Licensees	98	114	19,505	20,487.5	6.83	20.793	24.241	2.21
3	Electricité du Cambodge	1	1	83,860	76,860	25.61	233.450	208.871	19.22
Total		**110**	**129**	**231,335**	**300,135.5**	**100**	**879.374**	**1,087.104**	**100**

Annex 2(b)
Summary Information about the Generation Facilities and Energy Sent-out classified by Generation Type

No.	Type of Generation	Installed Capacity, kW		Proportion of Installed Capacity in % for 2006	Energy Sent Out, Million kWh		Proportion of Energy Sent Out in % for 2006
		End of Year 2005	End of Year 2006		Year 2005	Year 2006	
1	Hydropower	12,960	12,960	4.32	43.542	50.609	4.66
2	Steam (Burn HFO)	18,000	0	0	28.385	0	0
3	Diesel/HFO	200,273	282,663.5	94.18	807.325	1,034.815	95.19
4	Wood, other bio mass	102	4,512	1.50	0.122	1.680	0.15
	Total	**231,335**	**300,135.5**	**100**	**879.374**	**1,087.104**	**100**

Annex 2(c)
Summary Information about Energy Sent-out classified by Generation Plant Size

No.	Capacity of Generating Plant	Installed Capacity, kW		Proportion of Installed Capacity in % for 2006	Energy Sent Out, Million kWh		Proportion of energy sent out in % for 2006
		Year 2005	End of Year 2006		Year 2005	Year 2006	
1	From 10 to 100 kW	4,281	5,033.9	1.68	4.461	5.583	0.52
2	From 101 to 500 kW	7,749	8,666.6	2.89	9.153	11.225	1.03
3	From 501 to 1000 kW	5,827	5,155	1.72	9.787	6.611	0.61
4	From 1001 to 3000 kW	9,400	13,232	4.41	10.648	16.661	1.53
5	Over 3000 kW	204,078	268,048	89.31	845.325	1,047.025	96.31
Total		**231,335**	**300,135.5**	**100**	**879.374**	**1,087.105**	**100**

Annex 3
Information on Generation Licensees

License No.	Name of Licensee	Location of the Generation Plant	Installed Capacity, kW	Energy Sent Out, kWh
			2006	2006
002L	Cambodia Utilities Pte. Limited	C 2 Power Plant, Phnom Penh	37,100	260,751,700
003L	Jupiter Power (Cambodia) Co., Ltd	EDC's C1 Power Plant, Sangkat Tuol Sangké, Russey Keo District, (Phnom Penh)	24,950	49,052,856
004L	Global Technological Support SDN BHD	Kampong Cham Power Plant, Village #7, Sangkat Kampong Cham, (Provincial Town of Kampong Cham)	3,280	10,179,078
007L	CETIC International Hydropower Deve-lopment Co., Ltd	Kirirom Plateau of Koh kong Province, (Koh Kong and Kampong Speu)	12,000	47,652,750
024L	Global Power System Pte. Ltd	Phum No3, Khum Kampong Learv, Kampong Learv Distrect, (Prey Veng)	984	597,520
094L	Edward Energy Supply Co., Ltd	Pursat's Power Plant in Road No. 1, Phum Pea Nheak 1, Khum Pteah Prey, Sampov Meas Distict, (Pursat)	1,880	1,421,250
		Kampong Chnnang's Power Plant, Phum 1, Sangkat Ksan, Kasmpong Chhnang District, (Kampong Chhnang)	2,800	2,738,500
100L	J.P.N Cambodia International Co., Ltd	Takeo's Power Plant in Phum 2, Khum Rokaknong, Daun Keo, (Provincial Town of Takeo)	1,128	344,740
107L	Union Victory Asia Co., Ltd	Battambang's Power Plant in Road N° 1, Phum Kamma-kor, Khum Svay Po, Battambang District, (Battambang)	7.320	21,527,000
115L	Khmer Electrical Power Co., Ltd	Phum Dam Nak Thom, Sangkat Steung Mean Chey (Phnom Penh)	48,192	223,990,180
116L	City Power Group Corporation	Phum Tror Peang Chrey, Sangkat Kar Kap, Khan Dang Kor (Phnom Penh)	8,100	36,140,342

123L	COLBEN System, Ltd	Land Lot No. 283, Phum Boung Salang, Sangkat Russey Keo, Phnom Penh	14,800	7,846,414
123L	COLBEN System, Ltd	EDC's power plant, Phum No. 3, Khum no.3, Sngkat Mita Pheap, sihanoukville	8,000	6,984,011
126L	SHC (Cambodia) International Pte Ltd	Siem Reap's old power plant, National Road 6, Phum Krous, Khum Dang Kum (Siem Reap)	6,504	15,492,980
132L	(Cambodia) Electricity Private Co, Ltd	Phum Tuol Pongro, Sangkat Chom Chao, Khan Dang Kor, Phnom Penh	48,192	166,025,283
146L	SL Garment Processing (Cambodia) Ltd	Phum Russey, Sangkat Steungmeanchey, Khan Meanchey, Phnom Penh	4,500	1,669,412
148L	Han Seng Land and Property Co. Ltd	Khum Roleab, Sampouvmeas District, Pursat Province	2,000	1,578,360
Total				**853,992,376**

Remarks:

The data in the table above
-for Jupitor Power (Cambodia) Co. at Kampong Chhanang is up to August 2005
-for COLBEN System Co., Ltd at Phnom Penh from April 2006, and at Sihanoukville from August 2006
-for CEP Co., Ltd from May 2006, and
-for SHC Ltd from May 2006
-for SL Garment, only part of power is sold to EdC
-for Han Seng Len from August 2006.

Annex 4
Summery Information on Distribution Licensees for year 2006

License No.	Name of Licensee	Area of Supply	Number of consumers	Energy purchased kWh	Energy Sold kWh	Loss in %
008L	Franasie Import Export Co., Ltd	District Center of Komrieng (Battambang)	432	3,382,548	3,044,292	10.00
		District Center of Phnom Proek (Battambang)	240	1,040,196	936,178	10.00
		District Center of Sampeu Loun (Battambang)	756	1,388,556	1,249,430	10.00
009L	MSP Development Co., Ltd	Phsar Prom Town (Krong Pailin)	350	6,390,400	5,918,568	7.38
011L	Anco Brothers Co., Ltd	Ochraov District (Banteay Meanchey)	6,143	27,566,400	25,311,323	8.18
		Koh Thom and Saang District (Kandal)	1,200	2,935,800	2,642,220	10.00
014L	Duty Free Shop Co., Ltd	Osmach Town (Oddor Meanchey)	1422	8,844,080	8,664,698	2.03
		Koh Kong Provincial Town	3,284	13,938,480	13,262,085	4.85
050L	Reeco Company	Khum Prekthmey and Chheu Teal, Kean Svay District (Kandal)	1,200	614,449	547,786	10.85
051L	Sovanny Electricity Development Co., Ltd	Provincial Town of Kampong Chnnang (Kampong Chnnang)	2,939	2,738,500	2,273,957	16.96
052L	Nareth Electricity Development Co., Ltd	Provincial Town of Pursat (Pursat) and Kandeang District	4,786	3,196,000	2,467,030	22.81
089L	Vannak Pheap Development Co., Ltd	Pailin City	1,752	1,672,080	1,516,922	9.28
122L	Electricity Development and Construction Co., Ltd	Stoeng Town, PonheaKrek District (Kampong Cham)	900	7,440,233	6,696,210	10.00
149L	Sinn Khim Import Export Co, Ltd	Malay District Town (Banteay Meanchey)	381	621,732	606,643	2.43

Annex 5
Summery Information on Electricité du Cambodge for year 2006

Area of Supply	Installed Capacity as on 31st Dec 2006 kW	Energy purchased kWh	Energy Sent Out by Generation kWh	Total Energy kWh	Number of consumers	Energy Sold kWh	Loss in %
Phnom Penh	46,000	793,128,937	118,058,961	911,187,898	177,172	805,749,518	11.57
Sihanoukville	7,400	8,314,621	20,823,473	29,138,094	8,444	25,417,895	12.77
Provincial Town of Siem Reap	10,500	15,492,980	55,869,430	71,362,410	13,717	61,966,335	13.17
Provincial Town of Kampong Cham	-	10,179,078	-	10,179,078	5,848	8,367,801	17.79
Provincial Town of Takeo	1,560	344,740	3,208,034	3,552,774	3,539	3,077,598	13.37
Provincial Town of Battambang	-	21,024,780	-	21,024,780	17,117	16,770,175	20.24
Provincial Town of Kampot	3,080	3,204,360	1,566,561	4,770,921	4,565	3,283,694	31.17
Provincial Town of Prey Veng	1,640	597,520	1,429,725	2,027,245	2,944	1,554,781	23.31
Provincial Town of Banteay Meanchey	3,080	-	3,394,216	3,394,216	9,057	2,521,320	25.72
Provincial Town of Steung Treng	1,640	-	1,531,233	1,531,233	1,923	1,360,398	11.16
Provincial Town of Svay Rieng	1,000	2,108,800	33,200	2,142,000	4,917	1,769,508	17.39
Provincial Town of Ratanakiri	960	1,836,610	2,956,200	4,792,810	2,722	2,818,967	41.18
Khum Bavit	-	14,701,200	-	14,701,200	1,802	13,982,313	4.89
Memot District	-	11,845,000	-	11,845,000	3,067	11,239,529	5.11
Ponhea Krek District	-	11,821,700	-	11,821,700	1,688	11,255,425	4.79
Kampong Trach	-	1,357,700	-	1,357,700	1,882	1,216,093	10.43

Annex 6
Information on Consolidated and Retail Licensees for year 2006

License No.	Name of Licensee	Area of Supply	Number of consumers	Installed Capacity on 31st Dec 2006, kW	Energy generated, kWh	Energy Sold, kWh	Loss in %
006L	Mr. Huor Pheng	Khum Balang, Baray District and Khum Kampong Thmar, Santuk District (Kampong Thom)	1,678	480	588,456	444,040	24.54
012L	Sung Jin & Chilbo Industrial (Cambodia) Co., Ltd	Provincial Town of Kampong Thom (Kampong Thom)	3,375	1,520	2,596,124	2,081,460	19.82
013L	Mr. Mak Thorn	Phsar Tonlab Town, Kirivong District (Takeo)	1098	598	442,902	333,003	24.81
015L	Mr. Srey Sokhom	Phsar Samrong Yong Town, Khum Trapeang Sab, Baty District, (Takeo)	555	120	89,860	65,545	27.06
016L	Mr. Ke Kuyhuoy	Phsar Kampong Chrey Town, Trang District (Takeo)	158	80	27,360	16,800	38.60
017L	Mrs. Bun Liv	Estern Neakleung, Peamro District (Prey Veng)	2,258	2,072	1,813,152	1,127,346	37.82
018L	Mr. Ky Sophea	Phsar Snay Pol, Khum Roka, Pearang District (Prey Veng)	798	276	95,419	68,451	28.26
019L	Mr. Te Kok Eng	Khum Treal Town, Baray District (Kampong Thom)	530	220	127,058	86,400	32.00
020L	Mr. Chhour Lay	Phsar Preylvear Town, Khum Preylvea, Prey Kabas District, (Takeo)	335	165.6	102,315	89,081	12.93
021L	Mr. Nov Sokha	Western Neakleung Town, Luek Dek District (Kandal)	835	448	591,399	374,838	36.62
022L	Mr. Kong Phat	Phum Thmor Sor, Khum Korkpor, Boreychuolsa District (Takeo)	75	52.5	14,210	10,695	24.74
023L	Mr. Khun Sambo	Phsar Prey Toteung Town, Prey Chhor district (Kampong Cham)	919	371.2	416,159	297,378	28.54
026L	Mr. Chang Bunnaret	Phsar Phaav Town, Khum Paav, Batheay District (Kampong Cham)	520	124	153,986	108,694	29.41
027L	Mr. Kuy Sour	Phsar Suong Town, Tbong Khmom District (Kampong Cham)	2,458	592	867,114	702,969	18.93
028L	Mr. Samrith Sothy	Sre Ambil District Town (Koh Kong)	1,300	720	537,600	376,320	30.00
029L	Mr. Sok Thy	Phsar Veal Rinh Town, Preynob district (Sihanoukville)	1,450	348	615,141	457,459	25.63
030L	Mr. Ly Bunthy	Sangkat Tomnobrolok and Kompenh, Steung Hav District (Sihanoukville)	850	376	531,598	265,799	50.00
031L	Mr. Chan Thon	Provincial Town of Preah Vihear (Preah Vihear)	1293	460	829,317	624,740	24.67
032L	Mr. Nhen Kong	Phsar Tang Kok Town, Baray District (Kampong Thom)	520	190	134,468	83,738	37.73
033L	Mr.Chhuor Nguon	Phsar Beungknar Town, Khum Beungknar, Bakan District (Pursat)	302	72	104,940	74,600	28.91
034L	Mr. Toem Touch	Khum Trapeang Chhonhg, Bakan District (Pursat)	321	92	90,497	54,185	40.13
035L	Mrs. Chhuoy Poeut	Puork District Town (Siem Reap)	910	294.4	379,218	269,608	28.90
036L	Mrs. Pauch Kim	Kar-Andoek Town, Khum Prasat, Kampong Trabek District (Prey Veng)	682	172	241,935	216,716	10.42
037L	Mr. Ieng Seng Hy	Phar Rokakong Town, Mukkampoul District (Kandal)	750	148	208,310	133,410	35.96

038L	Mr. Sieng Seng	Phum Thnal Bek, Khum Svayteab, Chamkaleu District (Kampong Cham)	567	236	133,411	106,729	20.00
039L	Mr. Kim Chantara	Phsar Baray Town, Khum Baray, Baray District (Kampong Thom)	360	116	108,000	79,287	26.59
040L	Mrs. Mok Heat	Phsar Ponley Town, Khum Ponley, Boribor District (Kampong Chnang)	304	94	80,749	53,647	33.56
041L	Mr. Ty Sokhun	Kampong Tralach District Twon (Kampong Chnnang)	750	509	183,195	153,523	16.20
042L	Mr. Kong Sophal	Phum Trapeang Ropao, Khum Prekthnot, Kampot District (Kampot)	270	192	35,004	28,311	19.12
043L	Mr. Lay Se	Thmor Kol Town, ThmorKol District (Battambang)	723	352	299,038	168,178	43.75
044L	Mr. Kong Puthy	Phsar Chhouk Town, Chhouk District (Kampot)	750	256	221,613	180,170	18.70
045L	Mr. Keo Dara	Phsar Kampong Popel Town, Peareang district (Prey Veng)	123	68	15,840	13,200	16.67
046L	Mr. Seng Sokun	Phsar Svay Antor Town, Prey Veng District (Prey Veng)	450	110	87,800	64,090	27.00
047L	Mr. Mom Dara	Phsar Skun Town, Khum Soteb, Chheung Prey district (Kampong Cham)	585	280	216,150	154,800	28.38
048L	Mr. Chhom Sophay	Phsar Domdek Town, Khum Domdek, Sonikom District, (Siem Reap)	581	160	146,790	105,982	27.80
049L	Mrs. Khiev Nareth	Tambon Treuy Sla, Sa Ang District (Kandal)	920	332	149,628	103,251	30.99
053L	Mr. Long Nget	Phsar Thnal Toteung Town (Kandal) and Khum Trapaing Krong (Kampong Speu)	518	92	240,216	168,252	29.96
054L	Mrs. Ouch Por	Phsar Sayva Town, Prey Kabas District (Takeo)	265	92	48,020	38,850	19.10
055L	Mr. Park Hean	Phsar Preysandek Town, Khum Preyslek, Trang District (Takeo)	85	28	17,700	10,703	39.53
056L	Mrs. Nhek Theary	Phsar Bokhnor Town, Khum Boskhnor, Chamkaleur District (Kampong Cham)	480	92	84,000	42,000	50.00
057L	Mr. Chin Sohin	Phsar Steungtrang Town, Khum Prekak, Steung Trang District (Kampong Cham)	210	40	34,840	25,075	28.03
058L	Mr. Chhay Neng	Phsar Kampongkontourt Town, Kandalsteung District (Kandal)	602	40	160,760	109,793	31.70
059L	Electricity of Kratie Province	Provincial Town of Kratie	2,864	160	2,752,171	1,973,067	28.31
059L	Electricity of Kratie Province	Part of Snoul District (Kratie)	576		1,474,200	1,326,780	10.00
060L	Mrs. Eam Sreng	Khum Mesorchrey, Steung Trang District (Kampong Cham)	505	72	76,446	47,733	37.56
061L	Mr. Khoeun Sambath	Phsar Ang Snuol Town, Khum Peuk, Ang Snuol District (Kandal)	320	89.6	71,849	60,504	15.79
062L	Mr. Keb Borey	Estern Phsar Prek Kdam Town, Ponhealeu District (Kandal)	280	96	36,493	27,954	23.40
063L	Mr. Ong Hoksin	Stong District Town (Kampong Thom)	910	300	226,248	174,328	22.95
064L	Mr. Chhin Seng	Phsar Tram Khnar Town (Kampong Speu), and Khum Sophy (Takeo)	629	80	215,750	156,500	27.46
065L	Mr.Chuo Sroan	Phsar Mean Town, Khum Mean and Trapaingpreah, Preychhor District (Kampong Cham)	148	76	28,400	19,368	31.80
066L	Mr. Pean Sokhalay	Phsar Prek Anhchang Town, Mokampoul District (Kandal)	950	90	332,997	202,014	39.33
067L	Mr. Sok Hoy	Phsar Trapaing Kraleung Town, Phnom Sruoch District (Kampong Speu)	320	60	89,912	65,888	26.72
068L	Mrs. Tuoch Montha	Khum Phnom Sampao, Banan District (Battambang)	431	90	117,080	41,102	64.89

069L	Mr. Nob Ben	Rattanakmondul District Town (Battambang)	450	96	92,208	54,993	40.36
071L	Mr. Heng Tray	Southern Phsar Saang Town, Khum Preakkoy, Saang District (Kandal)	1025	160	266,520	191,160	28.28
072L	Mr. Ya Sambath	Phsar Svaydounkeo Town, Bakan District (Pursat)	220	88	24,895	17,602	29.30
073L	Mr. Treung San	Phsar TangKrorSang Town, Santuk District (Kampong Thom)	450	64	81,930	67,446	17.68
074L	Mr. Mean Vanna	Phsar Svayteap Town, Khum Svayteap, Chamkaleu District (Kampong Cham)	400	84	119,160	88,156	26.02
075L	Mr. Chhay Kimhuor	Phsar Speu Town, Khum Speu and Chayyo, Chamkaleu District (Kampong Cham)	570	80	102,580	63,440	38.16
076L	Mr. Quach Edward	Phsar Otdong Town, Khum Viangchas, Otdong District (Kampong Speu) and Khum Vihearloung, Punnhea Leu (Kandal)	3,137	776	993,171	809,337	18.51
077L	Mrs. Chao Nuy	Phsar Osnguot Town, Monkulborey District (Bantaymeanchey)	252	76	115,800	81,060	30
078L	Mr.Vorn Yeang	Phsar Kutasat Town, Khum Nimit and Kob, Ochrov District (Bantaymeanchey)	180	40	40,790	29,062	28.75
079L	Mr. Thon Theung	Phsar Phnomtouch Town, Monkulborey District (Bantaymeanchey)	410	89.6	63,800	48,140	24.55
080L	Mr. Sok Vitith	Phsar Banteayneang Town, Monkulborey District (Bantaymeanchey)	207	56	42,734	30,882	27.73
081L	Mr. Moun Han	Phnomsrok District Town (Bantaymeanchey)	400	89.6	54,920	41,820	23.85
082L	Mr. Ly Sokry	Phsar Trengtra Yeung Town, Phnomsroch District (Kampong Speu)	603	170	176,500	134,400	23.85
083L	Mr. Toung Yeun	Phsar Tnalchek Town, Khum Keangsangke and Damdeak, Sotnikum District (Siem Reap)	234	28	41,916	29,676	29.20
084L	Mr. Mok Chen	Phsar Pangsey Town, Samrong District (Takeo) and Khum Tuol Ampil, Borset District (Kampong Speu)	170	24	22,800	18,600	18.42
085L	Kg Cham City Power	Phsar Tnaltoteung Town, Khum Chob, Tbongkhmom District (Kampong Cham)	295	72	50,382	33,897	32.72
086L	Mr. Koeung Rithy	Northern Phsar Saang Khangcheung Town, Sa Ang District, (Kandal)	1,150	320	337,758	274,150	18.83
087L	Mrs Sok Kongkea	Thmor Puok District Town, (Banteay Meanhay)	415	74.4	73,443	48,502	33.96
088L	Mr. Khun Sophal	Oreang Ov District Town, (Kampong Cham)	850	90.4	222,200	166,650	25.00
090L	Mr. Ven Veasna	Phum Bakeng and Phum Ktor, Sang Kat Prek Leap, Khan Rusey Keo, (Phnom Penh)	600	240	174,470	154,470	11.46
091L	Mr. Sun Pov	Khum Prek Khpob and Khum Prek Luong, Ek Phnom District, (Battambang)	450	80	94,250	72,000	22.55
093L	Mr. Khut Chenda	Banteaymeas District Town, (Kampot)	980	88	140,700	105,525	25.00
095L	Mrs. Chan Simoly	Phsar Prey Khmer Town, Khum Andong Snay and Rolea Phear, Rolea Phear District, (Kampong Chhnang)	412	68	47,232	37,370	20.88
096L	Mr. Chear Sareth	Phsar Pong Ro Town, Khum Pong Ro and Svay Chrum, Rolea Phear District, (Kampong Chhnang)	282	52	45,005	35,630	20.83
097L	Mr. Yin Ech	Angkor Chey District Town, (Kampot)	400	75	106,230	53,680	49.47
098L	Mrs. Kun Sivanny	Phsar Smachdeng, Sang Kat Ream Khan Preynop, (SihanoukVille)	453	138.4	67,900	53,572	21.10

099L	Mr. Leng Mov	Phsar Battdeung Town, Udong District (Kampong Speu) and Ponhea Leu District, (Kandal)	305	160	137,680	105,610	23.29
101L	Mr. Chhin Song	Phsar Thnalbort Town, Khum Por Ankrang, Bor Seth District, (Kampong Speu) and Khum Beungtranh, Samrong District, (Takeo)	220	60	235,200	180,200	23.38
102L	Mr. Preab Vannareth	Khum O-Tapong, Bakan District, (Pursat)	131	56	17,752	12,600	29.02
103L	Mr. Nhem Phany	Phum Bak Kheng, Sang Kat Prek Leap,Khan Rusey Keo, Phnom Penh and Phun Kdeychas, Khum Rusey Keo, Mukompol District, (Kandal)	850	80	280,552	189,208	32.56
104L	Mr. Suon Sany	Phum Nº3, Nº4 and Nº 5, Khum Svay Rolom, Saang District, (Kandal)	450	76	148,500	120,720	18.71
105L	Mr. Soeung Sovanna	Phsar Phnom Thom Tbong Town, Khum O-Prasat, Mongkul Borei District, (Banteay Meanchay)	250	56	45,701	32,755	28.33
106L	Mrs. Ann Samlan	Phum Koh Sdech, Khum Koh Sdech, Kirisakor District, (Koh Kong)	610	96	82,080	57,456	30.00
108L	Mrs. Sin Savuon	Preahnet Preah District (Banteay Meanchey Province)	362	165	67,160	42,833	36.22
109L	Mrs. Tieng Chenda	District Town of Mongrussey (Left Hand Side of National Road No. 5, Direction from Phnom Penh to Battambang) (Battambang Province)	800	300	322,280	200,474	37.80
110L	Mrs. Sea Kech	District Town of Mongrussey (Right Hand Side of National Road No. 5, Direction from Phnom Penh to Battambang) (Battambang Province)	690	220	139,577	99,698	28.57
111L	Mr. Kong Vun	Chikreng District Town (Siem Reap Province)	790	96	183,998	140,065	23.88
112L	Mr. Ly Kang	Chikreng District Town (Siem Reap Province)	150	88	59,966	41,976	30.00
113L	Mr. Nou Kruy	District Town of Angkor Borey (Takeo Province)	280	60	33,880	26,473	21.86
114L	Ms. Chea Ting	Phum Areyksat, Khum Areyksat, Lavea-Em District (Kandal Province)	200	64	31,200	15,600	50.00
117L	Mr. Dung Ly	Phum Ang Long Tamey, Khum Chheuteal, Banorn District (Battambang Province)	241	12	11,031	9,676	12.28
118L	Mrs. Sok Kheng	Baty District Town (Takeo Province)	357	98	51,247	42,370	17.32
119L	Mr. Un Sophal	Teuk Phos District Town (Kampong Chhnang Province)	395	92	58,730	42,718	27.26
120L	Mr. Chan Keat	Sangkat Otresh, Khan Steung Hav (Sihanoukville)	350	84	96,830	75,231	22.31
121L	Mrs. Kaing Gech Seam	Phsar Tramkork, Khum Tramkork, Tramkork District (Takeo)	220	88	26,400	21,120	20.00
124L	Yeab Lav	Kravanh District Town, Pursat Province	940	76.8	110,703	77,167	30.29
125L	York Savong	Krokor District Town, Pursat Province	1054	96	208,464	136,506	34.52
127L	Te Hong Cheng	Kampong Khlaing, Sotr Nikum District, Siemreab Province	275	48	38,243	17,011	55.52
128L	Eang Khon	Rovieng District Town, Preah Vihear Province	230	52	20,000	15,000	25.00
129L	Chrun Leang Sour	Khum Sangveuil, Chikreng District, Siemreab Province	98	40	15,444	8,079	47.69
130L	Um Hout	Phum Choeung Chnok, Khum Taingkrang, Bathay District, Kampong Cham Province	240	32	34,800	24,000	31.03
131L	Nhek Sokon	Treung town, Kg Cham	200	80.8	69,600	55,680	20.00
133L	Hak Ly Seng	Khum Preyromdeng and Khum Prek-Ampok,, Kirivong District,	231	78	31,360	22,222	29.14

		Takeo Province					
134L	Try Khlauk	Phsar Romenh town, Khum Romenh, Koh Andet District, Takeo Province	320	106	54,378	42,564	21.73
135L	Dik Rin	Phum Phsar Deumroka town, Khum Veal, Kongpisey District, Kampong Speu Province and Khum Tang Daung, Bati District, Takeo Province	100	40	13,900	9,730	30.00
136L	Men Kunthear	Phum Phsar Talat Town, Khum O, Phnom Sruoch District, Kampong Speu Province	160	70	28,030	18,091	35.46
137L	Tim Som	Phsar Prey Pdao Town, Khum Trapaing Kong, Samrongtong District, Kampong Speu	98	90	53,932	38,831	28.00
138L	Chea Sophear	Phsar O Russey, Phnom Penh	3850		611,904	581,309	5.00
139L	Doung Narin	Angkor Chum District Town, Siemreab Province	175	94	24,804	15,251	38.51
140L	Chea Channaroeun	Taong town, Khum Svay Teab, Chamkar Leu District, Kg Cham	364	80	38,932	29,948	23.08
141L	Chaing Kun	Phum Phsar Yeay Trob Town, Khum Roveang, Samrong District, Takeo	84	60	18,850	14,250	24.40
143L	Leang Chunny	Phum Kbalkonh, Khum Kohdach, Muk kampoul District, Kandal	220	19.2	20,400	14,280	30.00
144L	Dok Liv	Phsar Siem Reap town, Kandal Stung District, Kandal Province	350	60	21,617	14,051	35.00

Remarks:

The electricity supplied at Snoul district (Kratie) by Electricity of Kratie Province is imported from Vietnam. The quantity imported is shown under energy generated coloumn in the above Table.

Annex 7
Information on Licenses not valid at the end of year 2006

License Number	Name of Licensee	Type of License	Year during which the validity expired/terminated
010L	Cambodia Wan Long International Industrial Co. Ltd	Generation	2003
005L	Mr. Chea Sopha	Generation	2004
025L	Santepheap Cambodia Investment Co., LTD	Generation	2004
070L	Mr. Bou Boeun	Consolidated	2005
003L	Jupiter Power (Cambodia) Co. Ltd	Generation	2006
024L	Global Power System PTE LTD	Generation	2006
092L	Mr. Som Visal	Consolidated	2006
100L	J.P.N. Cambodia International Co. Ltd	Generation	2006

Annex 8
Tariffs of Licensees at end of year 2006

License number	Distribution zone	Licensee	Tariff	Currency unit	Conditions	Remark
6	Khum Ballaing, Baray district and Khum Kampong Thmor, Santuk district, Kampong Thom province	Mr. Huor Peng	2200 2100	Riel	1-25 kWh >25 kWh	
8	Kamrieng district, Sampeou Loun district and Phnom Preuk distric, Battambang	Franasie Import Export Co, Ltd	5 6 4.5	Baht	Hotel Household Casino	
9	Prum market,Pailin City	MSP Development Co. Ltd	5 6	Baht	Vannakpheap Dev. Co. Ltd Household	
11	Poipet town, Banteay Meanchey	Anco Brothers Co. Ltd	6 5 4.30	Baht	Small, Household Medium, Govt institution MV, Casino	

	Koh Thom and Saang district	Anco Brothers Co. Ltd	650 0.115	Riels USD	All LV Big, Industrial	
12	Kampong Thom provincial town	Sung Jin & Chilbo Industrial Co. Ltd	1600	Riel		
13	Tonloab town, Khum Preah Bat Cheanchum, Kirivong district, Takeo province	Mr. Mak Thorn	2000	Riel	General	
14	O Smach town, Khum along National Road no 68 and Uddor Meanchey provincial town Koh Kong provincial town	Duty Free Shop Co. Ltd	370 480 500 11 0.115 300 500 600	Riel Baht USD Riel	Company branch Companies Household Household Big Consumer Company Factory Household	
15	Samrong Yong town, Khum Trapaing Sab, Bati district, Takeo province	Mr. Srey Sokhom	2800	Riel	General	

16	Kampong Chrey town, Traing district and Koh Andett, Takeo province	Mr. Ke Kuy Huoy	3000 2800 2500 2300	Riel	1-5 kWh 6-10 KWh 11-20 KWh 21-40 KWh	
17	Neak Loeung East side of Mekong River, Peamro district, Prey Veng province	Mrs. Bun Liv	2200 2000	Riel	General Ferry entity	
18	Snay Pol district town, Prey Veng province	Mr. Ky Sophea	2500	Riel	General	
19	Treal town, Baray district, Kampong Thom province	Mr. Tè Kok Eng	2800	Riel	General	
20	Prey Lvea town, Prey Kabbas district, Takeo province	Mr. Chhuor Lay	2400 2200 2000	Riel	1-29 KWh 30-49 KWh 50-100 KWh	
21	Neak Loeung on west side of Mekong river, Leuk Dek district, Kandal province	Mr. Nov Sokha	2300	Riel	General	
22	Thmor Sor town, Khum Kork Po, Borey Chulsa district, Takeo province	Mr. Kong Phat	3000	Riel	General	

23	Prey Chhor district town, Kampong Cham province	Mr. Khun Sambo	2200	Riel		
26	Phaav town, Batheay district, Kampong Cham province	Mr. Chaing Bunnaret	2600 2400 2200	Riel	1-9 KWh 10-49 KWh >50	
27	Tbaung Khmum district town (Suong), Kampong Cham province	Mr. Kuy Suor	1500 1700 1900 2100	Riel	> 500KWh 200-500 KWh 80-200 KWh 1-80 KWh	Antenna Gas station, Cable TV Small Entreprise Household
28	Sre Ambil district town, Koh Kong province	Mr. Samrith Sothy	2300	Riel	General	
29	Veal Rinh district town, Sihanoukville city	Mr. Sok Thy	1850	Riel	General	
30	Sangkat Tumnup Rolork, Khan Steung Hav, Sihanoukville	Mr. Ly Bunthy	2300	Riel		
31	Preah Vihear provincial town	Mr. Chan Thon	2200	Riel	General	

32	Taing Kork town, Baray district, Kampong Thom province	Mr. Ngin Kong	2600	Riel	General	
33	Beung Khnar town, Bakan district, Pursat province	Mr. Chhuor Nguon	2800 1500	Riel	General Battery Charging	
34	Trapaing Chorng or Bakan district town, Pursat province	Mr. Teum Touch	2800 2600 2000	Riel	General Organization Bulk sale	
35	Puok district town, Siemreab province	Mrs. Chhuoy Phoeut	2800	Riel		
36	Kor Andeuk town, Khum Prasat, Kampong Trabek district, Prey Veng province	Mrs. Pauch Kim	1900	Riel	General	
37	Rokar Kong town, Muk Kampoul district, Kandal province	Mr. Ieng Seng Hy	2600 2400 2300	Riel	1-29 KWh 30-49 KWh > 50 KWh	
38	Chamkar Leu district town, Kampong Cham province	Mr. Sieng Seng	0.70	USD		

39	Baray district town, Kampong Thom province	Mr. Kim Chan Dara	2600	Riel	General	
40	Ponley or Boribo district town, Kampong Chhnaing province	Mr. Mak Heat	2600	Riel	General	
41	Kampong Tralach district town, Kampong Chhnaing province	Mr. Ty Sokun	2400	Riel	General	
42	Trapaing Ropeou town, Khum Prek Thnot, Kampot district, Kampot province	Mr. Kong Sophal	2800	Riel		
43	Thmor Kaul district town, Battambang province	Mr. Lay Sè	7 20 30	Baht	Local authority Gov Officer Household	
44	Chhouk district town, Kampot province	Mr. Kong Puthy	2200	Riel	General	
45	Kampong Popil town, Pearaing district, Prey Veng province	Mr. Kev Dara	3000 2700	Riel	1-5 kWh 6-more kWh	

46	Svay Antor district town, Prey Veng province	Mr. Seng Sokun	2800	Riel		
47	Skun town or Cheung Prey district town, Kampong Cham province	Mr. Mom Dara	2200 2500	Riel	50-200kWh 1-49 kWh	
48	Damdek or Sotr Nikum district town, Siemreab province	Mr. Chhom Sophay	2900	Riel	General	
49	Treuy Sla town, Saang district, Kandal province	Mrs. Khiev Nareth	2700	Riel	General	
50	Khum Prek Thmey and Chheu Teal, Kien Svay district, Kandal province	Reeco Company	720	Riel	General	
51	Kampong Chhnaing provincial town	Sovanny Electricity Development Co. Ltd	0.328 0.310 0.290 0.270	USD	Small Medium Big MV Consumer	
52	Pursat provincial town	Nareth Co. Ltd Electricity Development	0.328 0.310 0.290 0.270	USD	Small Medium Big MV Consumer	

53	Thnal Toteung town, Khum Damnak Ampil, Ang Snuol district, Kandal province	Mr. Long Ngèt	2200	Riel	General	
54	Say Va town, Khum Taing Yab, Prey Kabbas district, Takeo province	Mrs. Ouch Por	2500	Riel	General	
55	Prey Sandek town, Khum Prey Sleuk, Traing district, Takeo province	Mr. Pak Hien	2500 2800 3000	Riel	>21 KWh 15-20 KWh 1-14 KWh	
56	Bos Khnor town, Khum Bos Khnor, Chamkar Leu district, Kampong Cham province	Mr. Nheuk Theary	3000	Riel	General	
57	Steung Trang district town, Kampong Cham province	Mrs. Chin Sohin	0.70 0.80	USD	>6 KWh 1-5 KWh	
58	Kampong Kantuot town, Khum Baku, Kandal Steung district, Kandal province	Mr. Chhay Neng	1800 2500 3000	Riel	Antenna GSM Gov officer Household	
59	Kratie provincial town	Electricity of Kratie Province	1600	Riel		

	Snuol district town, Kratie province	Electricity of Kratie Province	600 0.115	Riel USD	LV Consumer MV Consumer	
60	Khum Mesor Chrey, Steung Trang district, Kampong Cham province	Mr. Eam Sreng	3690 3280	Riel	1-4 KWh >5 KWh	
61	Ang Snuol town, Khum Peuk, Ang Snuol district, Kandal province	Mr. Khoeun Sambatt	2300 2500	Riel	1-99kWh >100 kWh	
62	East Prek Kdam town, Ponhea Leu district, Kandal province	Mr. Keb Borey	2000 2700	Riel	Ferry -Pagoda General	
63	Staung district town, Kampong Thom province	Mr. Ung Hok Sin	2300 2200	Riel	General Hospital	
64	Tram Khnar town, Khum Changruk, Takeo province and Khum Sophy, Kampong Speu province	Mr. Chhin Seng	1500 2000 2500	Riel	Local Auth'ty Antenna Household	
65	Mien town, Prey Chhor district, Kampong Cham province	Mr. Chou Sroan	2800 2600	Riel	1-10 KWh >11 KWh	

66	Prek Anhchanh town, Muk Kampoul district, Kandal province	Mr. Pean Sokhalay	2500	Riel	General	
67	Trapaing Kraleung town, Khum Kirivornt, Phnom Sruoch district, Kampong Speu province	Mr. Sok Hoy	3000	Riel	General	
68	Khum Phnom Sampeou, Banan district, Battambang province	Mrs. Touch Montha	2950	Riel	General	
69	Ratanak Mondul district town, Battambang province	Mr. Nob Bin	3000	Riel	General	
71	Southern Saang district town, Kandal province	Mr. Heng Tray	2450	Riel	General	
72	Svay Daun Keo town, Bakan district, Pursat province	Mr. Ya Sambat	3000	Riel	General	
73	Khum Taing Krasaing, Santuk district, Kampong Thom province	Mr. Treung San	2500	Riel	General	

74	Khum Svay Teab, Chamkar Leu district, Kampong Cham province	Mr. Mean Vanna	2800 1000	Riel	General Battery charging	
75	Speu town, Khum Speu and Khum Cheyo, Chamkar Leu district, Kampong Cham province	Mr. Chhay Kim Huor	1500 2800	Riel	Bulk sale Household	
76	Uddong and Veang Chas town, Uddong district, Kampong Speu province and Kandal province	Mr. Quach Edward	1700 1900 2000	Riel	Pagoda > 300 KWh 1-299 KWh	
77	O Snguot town, Khum O Prasat, Mongkul Borey district, Banteay Meanchey province	Mr. Chao Nuy	2600	Riel		
78	Kuttsatt town, Khum Nimit and Kaub, O Chrov district, Banteay Meanchey province	Mr. Vorn Yeang	3000	Riel	General	
79	Khum Phnom Toch, Mongkul Borey district, Banteay Meanchey province	Mr. Thun Thoeurn	3000 3500	Riel	>21 KWh 1-20 KWh	
80	Banteay Neang Khum town, Mongkul Borey district, Banteay Meanchey province	Mr. Sok Vitith	3000 3500	Riel	>10 kWh 1-9 kWh	

81	Phnom Sruk district town, Banteay Meanchey province	Mr. Muon Han	2800	Riel	General	
82	Treng Trayeung Khum town, Phnom Sruoch district, Kampong Speu province	Mr. Ly Sokkry	2000 2300 2500	Riel	50-200 KWh 20-49 KWh 1-19 KWh	
83	Thnal Chek town, Khum Damdek, Sotr Nikum district, Siemreab province	Mr. Tun Yoeun	2900	Riel	General	
84	Paing Kasey and Kvav town, Tuol Ampil district, Takeo province and Kampong Speu province	Mr. Mok Chin	2700	Riel	General	
85	Thnal Toteung town, Khum Chub, Tbaung Khmum district, Kampong Cham province	Kampong Cham City Power Co. Ltd	3000 2800 2600	Riel	1-5 kWh 6-20 kWh >21 kWh	
86	Northern Saang district town, Kandal province	Mr. Keung Rithy	2400	Riel	General	
87	Thmor Puok district town, Banteay Meanchey province	Mrs. Sok Kongkea	2800 3000	Riel	>10 KWh 1-9 KWh	

88	O Raing Ov district town, Kampong Cham province	Mr. Khun Sophal	2400	Riel		
89	Pailin city	Vannakpheap Development Co. Ltd	850	Riel	General	
90	Bak Kheng town, Sangkat Prek Leab, Khan Russey Keo, Phnom Penh city	Mr. Ven Veasna	2300 2400 2500	Riel	>101kWh 1-100 KWh 1-50 KWh	
91	Khum Prek Khporb and Khum Prek Luong, Ek Phnom district, Battambang province	Mr. Sun Pov	3000	Riel	General	
93	Banteay Mean district town, Kampot province	Mr. Khut Chenda	2000	Riel		
95	Prey Khmer town, Khum Rolea Paier and Andaung Snay, Rolea Paier district, Kampong Chhnaing province	Mrs. Chan Simoli	2800	Riel	General	
96	Pong Ro town, Khum Pong Ro and Khum Svay Chrum, Rolea Paier district, Kampong Chhnaing province	Mr. Chea Sareth	2800	Riel	General	

97	Angkor Chey district town, Kampot province	Mr. Yin Ich	2300	Riel	General	
98	Smach Deng town, Sangkat Ream, Khan Prey Nub, Sihanoukville	Mrs. Kun Sivanny	2300	Riel	General	
99	Batdeung town, Uddong district, Kampong Speu province	Mr. Leng Mov	2200	Riel	General	
101	Thnal Bortt, Samrong district, Kampong Speu province	Mr. Chhin Song	2000 2500	Riel	Antenna GSM General	
102	O Tapong, Bakan district, Pursat province	Mr. Preap Vannareth	3000	Riel	General	
103	Bak Kheng, Sangkat Prek Lieb, Khan Russey Keo, Phnom Penh	Mr. Nhem Phanny	2300	Riel	General	
104	town 2, 3, 4, Khum Svay Rolum, Saang district, Kandal province	Mr. Suon Sany	2200 1700	Riel	1-50 kWh > 50 kWh	

105	Southern Phnom Thom, Khum O Prasat, Mongkul Borey district, Banteay Meanchey province	Mr. Soeung Sovanna	3500 3000	Riel	1-50kWh >51kWh	
106	Koh Sdach, Koh Kong province	Mrs. Ann Samlan	2300	Riel		
108	Preah Netr Preah district town, Banteay Meanchey province	Mrs. Sin Savuon	2200 2600 2800 3000	Riel	>200 KWh 51-200 KWh 11-50 KWh 1-10 KWh	
109	Mong Russey district town, Battambang province, at left side from PhnomPenh	Mrs. Tieng Chenda	3000	Riel	General	
110	Mong Russey district town, Battambang province, at right side from Phnom Penh	Mrs. Sea Kech	3000	Riel	General	
111	Kampong Kdei or Chi Kreng district town, Siemreab province	Mr. Kong Vun	2400	Riel		
112	Kampong Kdei or Chi Kreng district town, Siemreab province	Mr. Ly Korng	2400 2700	Riel	>25 KWh <25 KWh	

113	Angkor Borey district town, Takeo province	Mr. Nou Kruy	2700	Riel	General	
114	Khsach Kandal, Kandal province	Mr. Chea Taing	3000 2500	Riel	1-5 kWh > 5 kWh	
117	Anlong Tamei town, Banan district, Battambang province	Mr. Dung Ly	1200 1500	Riel	Battery Charging Household	
118	Khum Chambak, Bati district, Takeo province	Mrs. Sok Kheng	1500 2500 2800	Riel	Gov. officer Organization Household	
119	Teuk Phos district town, Kampong Chhnaing province	Mr. Un Sophal	2800	Riel		
120	Sangkat O Treh, Khan Steung Hav, Sihanoukville	Mr. Chann Keat	2300	Riel	General	
121	Tram Kak district town, Takeo province	Mrs. Kaing Gech Siem	2500	Riel	General	

122	Steung town, Ponhea Krek district, Kampong Cham province	Electricity Development and Construction Company	750 0.125	Riel USD	Household =>20,000 kWh	
124	Kravanh district town, Pursat province	Mr. Yeab Lao	2800	Riel	General	
125	Krakor district town, Pursat province	Mr. York Savong	2800	Riel	General	
127	Khum Kampong Khlaing, Siemreab province	Mr. Tè Hong Cheng	4500	Riel		
128	Rovieng district town, Preah Vihear province	Mr. Eang Khun	3500	Riel		
129	Chork town, Khum Sangveuy, Chikreng district, Siemreab province	Mrs. Chrun Leang Suor	4000	Riel		
130	Cheung Chhnok town, Khum Taing Kraing, Batheay district, Kampong Cham province	Mr. Um Hort	3500 3000	Riel	1-15 kWh > 15kWh	

131	Treung town, Prey Chhor district, Kampong Cham province	Mrs. Nheuk Sokun	3000	Riel		
133	Khum Prey Rumdeng and Khum Prey Ampork, Kirivong district, Takeo province	Mr. Hak Ly Seng	2300 2500	Riel		
134	Khum Romenh, Koh Andet district, Takeo province	Mr. Try Khlauk	2000	Riel	General	
135	Deum Roka town, Khum Veal, Korng Pisey district, Kampong Speu province	Mr. Deuk Rin	2500	Riel		
136	Deum Talat town, Khum O, Phnom Sruoch district, Kampong Speu province	Mr. Men Kunthea	3000	Riel	General	
137	Prey Phdao town,, Khum Trapaing Korng, Samrong Torng district, Kampong Speu province	Mr. Teum Som	3000	Riel		
138	O Russey market, Phnom Penh	Mr. Chea Sophea	1200	Riel	General	

139	Daun Sva town, Khum Char Chhouk or Angkor Chum district town, Siemreab province	Mr. Duong Narin	3200	Riel		
140	Khum Taong, Chamkar Leu district, Kampong Cham province	Mr. Chea Chan Naroeun	2700	Riel		
141	Banteay Meas district town, Kampot province	Mr. Chaing Kun	2500	Riel	General	
143	Kbal Koh town, Khum Koh Dach, Kandal province	Mrs. Leang Chhunny	3000 2800	Riel	1-10 kWh > 10 kWh	
144	Khum Siemreab, Kandal Steung district, Kandal province	Mr. Dok Liv	3000 2500 1800	Riel	1-General 2-Gov. officer 3-Antenna	October-December
149	Malay district town, Banteay Meanchey province	Sinn Khim Import Export Co. Ltd	7.5 6	Baht	Residence offices	
150	Kien Svay	Akkisni Kien Svay	1100	Riel		

151	Setbo town, Saang district, Kandal province	Khmer Electricity Service	1100	Riel		

Annex 9
List of khums being supplied by Licensees at end of year 2006

No	KHUM	District	Province	License	Licensee
1	Banteay Neang	Mongkul Borey	Banteay Meanchey	80	Sok Vitith
2	Bat Trang	Mongkul Borey	Banteay Meanchey	80	Sok Vitith
3	Ou Prasat	Mongkul Borey	Banteay Meanchey	77	Chao Nuy
3	Ou Prasat	Mongkul Borey	Banteay Meanchey	105	Soeung Sovanna
4	Phnum Touch	Mongkul Borey	Banteay Meanchey	79	Thon Theun
5	Ruessei Kraok	Mongkul Borey	Banteay Meanchey	1	EDC
5	Ruessei Kraok	Mongkul Borey	Banteay Meanchey	80	Sok Vitith
6	Srah Chik	Phnom Srok	Banteay Meanchey	81	Moun Han
7	Chob Veari	Preah Netr Preah	Banteay Meanchey	108	Sin Savuon
8	Preah Netr Preah	Preah Netr Preah	Banteay Meanchey	108	Sin Savuon
9	Rohal	Preah Netr Preah	Banteay Meanchey	108	Sin Savuon
10	Changha	Preah Netr Preah	Banteay Meanchey	11	Anco Brothers Co.,Ltd
11	Koub	O Chrov	Banteay Meanchey	78	Vorn Yeang
12	Kuttasat	O Chrov	Banteay Meanchey	78	Vorn Yeang
13	Nimitt	O Chrov	Banteay Meanchey	11	Anco Brothers Co.,Ltd
14	Paoy Paet	O Chrov	Banteay Meanchey	11	Anco Brothers Co.,Ltd
15	Kampong Svay	Serey Sopheann	Banteay Meanchey	1	EDC
16	Ou Ambel	Serey Sopheann	Banteay Meanchey	1	EDC
17	Phniet	Serey Sopheann	Banteay Meanchey	1	EDC
18	Preah Ponlea	Serey Sopheann	Banteay Meanchey	1	EDC
19	Tuek Thla	Serey Sopheann	Banteay Meanchey	1	EDC
20	Kouk Romiet	Thmor Puok	Banteay Meanchey	87	Sok Kongkear
21	Thma Puok	Thmor Puok	Banteay Meanchey	87	Sok Kongkear
22	Kumru	Thmor Puok	Banteay Meanchey	87	Sok Kongkear
23	Phnum Sampov	Banan	Banteay Meanchey	68	Tuoch Montha
24	Ta Pung	Thmor Kaul	Banteay Meanchey	43	Lay Se

25	Ta Meun	Thmor Kaul	Banteay Meanchey	43	Lay Se
26	Kouk Khmum	Thmor Kaul	Banteay Meanchey	43	Lay Se
27	Tuol Ta Aek	Battambang	Battambang	1	EDC
28	Preaek Preah Sdach	Battambang	Battambang	1	EDC
29	Rotanak	Battambang	Battambang	1	EDC
30	Chamkar Samraong	Battambang	Battambang	1	EDC
31	Sla Kaet	Battambang	Battambang	1	EDC
32	Kdol Doun Teav	Battambang	Battambang	1	EDC
33	Ou Mal	Battambang	Battambang	1	EDC
34	Voat Kor	Battambang	Battambang	1	EDC
35	Ou Char	Battambang	Battambang	1	EDC
36	Svay Pao	Battambang	Battambang	1	EDC
37	Preaek Norint	Ek Phnom	Battambang	91	Sun Pov
38	Samraong Knong	Ek Phnom	Battambang	91	Sun Pov
39	Preaek Khpob	Ek Phnom	Battambang	91	Sun Pov
40	Preaek Luong	Ek Phnom	Battambang	91	Sun Pov
41	Peam Aek	Ek Phnom	Battambang	91	Sun Pov
42	Moung Ruessei	Moung Ruessei	Battambang	109	Tieng Chenda
42	Moung Ruessei	Moung Ruessei	Battambang	110	Sear Kech
43	Kear	Moung Ruessei	Battambang	109	Tieng Chenda
43	Kear	Moung Ruessei	Battambang	110	Sear Kech
44	Chrey	Moung Ruessei	Battambang	110	Sear Kech
45	Ta Loas	Moung Ruessei	Battambang	111	Kong Vun
46	Robas Mongkol	Moung Ruessei	Battambang	109	Tieng Chenda
47	Sdau	Ratana Mondul	Battambang	69	Nob Ben
48	Andaeuk Haeb	Ratana Mondul	Battambang	69	Nob Ben
49	Traeng	Ratana Mondul	Battambang	69	Nob Ben
50	Anlong Vil	Sangke	Battambang	1	EDC
51	Norea	Sangke	Battambang	1	EDC
52	Ou Dambang Muoy	Sangke	Battambang	1	EDC

53	Ou Dambang Pir	Sangke	Battambang	1	EDC
54	Voat Ta Muem	Sangke	Battambang	1	EDC
55	Sampeou Loun	Sampeou Loun	Battambang	8	Franasie Im & Exp
56	Phnom Preuk	Phnom Preuk	Battambang	8	Franasie Im & Exp
57	Kamrieng	Kamrieng	Battambang	8	Franasie Im & Exp
58	Ph'av	Batheay	Kampong Cham	26	Chang Bunnaret
59	Bos Khnaor	Chamkar Leu	Kampong Cham	56	Nhek Theary
60	Cheyyou	Chamkar Leu	Kampong Cham	75	Chhay Kimhuor
61	Lvea Leu	Chamkar Leu	Kampong Cham	38	Sieng Seng
62	Spueu	Chamkar Leu	Kampong Cham	75	Chhay Kimhuor
63	Svay Teab	Chamkar Leu	Kampong Cham	74	Mean Vanna
64	Phdau Chum	Cheung Prey	Kampong Cham	47	Mom Tara
65	Prey Char	Cheung Prey	Kampong Cham	47	Mom Tara
66	Soutip	Cheung Prey	Kampong Cham	47	Mom Tara
67	Srama	Cheung Prey	Kampong Cham	47	Mom Tara
68	Boeng Kok	Kampong Cham	Kampong Cham	1	EDC
69	Kampong Cham	Kampong Cham	Kampong Cham	1	EDC
70	Sambuor Meas	Kampong Cham	Kampong Cham	1	EDC
71	Veal Vong	Kampong Cham	Kampong Cham	1	EDC
72	Ampil	Kampong Siem	Kampong Cham	1	EDC
73	Kaoh Mitt	Kampong Siem	Kampong Cham	1	EDC
74	Kaoh Roka	Kampong Siem	Kampong Cham	1	EDC
75	Kaoh Tontuem	Kampong Siem	Kampong Cham	1	EDC
76	Krala	Kampong Siem	Kampong Cham	1	EDC
77	Ro'ang	Kampong Siem	Kampong Cham	1	EDC
78	Dar	Memut	Kampong Cham	1	EDC
79	Memut	Memut	Kampong Cham	1	EDC
80	Tramung	Memut	Kampong Cham	1	EDC
81	Treak	Memut	Kampong Cham	1	EDC
82	Ampil Ta Pok	O Raing Ov	Kampong Cham	85	Kg Cham City Power

83	Kong Chey	O Raing Ov	Kampong Cham	88	Khun Sophal
84		O Raing Ov	Kampong Cham	88	Khun Sophal
85	Preah Theat	O Raing Ov	Kampong Cham	85	Kg Cham City Power
86	Tuol Sophi	O Raing Ov	Kampong Cham	85	Kg Cham City Power
87	Kandaol Chrum	Ponhea Krek	Kampong Cham	122	E.D.Con.
88	Kaong Kang	Ponhea Krek	Kampong Cham	122	E.D.Con.
89	Kraek	Ponhea Krek	Kampong Cham	1	EDC
90	Popel	Ponhea Krek	Kampong Cham	122	E.D.Con.
91	Trapeang Phlong	Ponhea Krek	Kampong Cham	1	EDC
92	Veal Mlu	Ponhea Krek	Kampong Cham	122	E.D.Con.
93	Baray	Prey Chhor	Kampong Cham	23	Khun Sambo
94	Chrey Vien	Prey Chhor	Kampong Cham	23	Khun Sambo
95	Khvet Thum	Prey Chhor	Kampong Cham	23	Khun Sambo
96	Mien	Prey Chhor	Kampong Cham	65	Chuo Sroan
97	Trapeang Preah	Prey Chhor	Kampong Cham	23	Khun Sambo
98	Me Sar Chrey	Steung Trang	Kampong Cham	60	Eam Sreng
99	Preaek Kak	Steung Trang	Kampong Cham	55	Park Hean
100	Anhchaeum	Tbaung Khmum	Kampong Cham	27	Kuy Sour
101	Chikor	Tbaung Khmum	Kampong Cham	27	Kuy Sour
102	Chirou Muoy	Tbaung Khmum	Kampong Cham	85	Kg Cham City Power
103	Chirou Pir	Tbaung Khmum	Kampong Cham	85	Kg Cham City Power
104	Chob	Tbaung Khmum	Kampong Cham	85	Kg Cham City Power
105	Moung Rieng	Tbaung Khmum	Kampong Cham	27	Kuy Sour
106	Sralab	Tbaung Khmum	Kampong Cham	122	E.D.Con.
107	Suong	Tbaung Khmum	Kampong Cham	27	Kuy Sour
108	Tonle Bet	Tbaung Khmum	Kampong Cham	1	EDC
109	Vihear Luong	Tbaung Khmum	Kampong Cham	27	Kuy Sour
110	Khon Rang	Boribo	Kampong Chhnaing	40	Mok Heat
111	Popel	Boribo	Kampong Chhnaing	40	Mok Heat
112	Ponley	Boribo	Kampong Chhnaing	40	Mok Heat

113	Phsar Chhnang	Kampong Chhnaing	Kampong Chhnaing	51	Sovanny Elec.Devl.Co.,Ltd
114	Kampong Chhnang	Kampong Chhnaing	Kampong Chhnaing	51	Sovanny Elec.Devl.Co.,Ltd
115	Ph'er	Kampong Chhnaing	Kampong Chhnaing	51	Sovanny Elec.Devl.Co.,Ltd
116	Khsam	Kampong Chhnaing	Kampong Chhnaing	51	Sovanny Elec.Devl.Co.,Ltd
117	Chhuk Sa	Kampong Leng	Kampong Chhnaing	51	Sovanny Elec.Devl.Co.,Ltd
118	Longveaek	Kampong Leng	Kampong Chhnaing	51	Sovanny Elec.Devl.Co.,Ltd
119	Ou Ruessei	Kampong Leng	Kampong Chhnaing	51	Sovanny Elec.Devl.Co.,Ltd
120	Peani	Kampong Leng	Kampong Chhnaing	51	Sovanny Elec.Devl.Co.,Ltd
121	Thma Edth	Kampong Leng	Kampong Chhnaing	51	Sovanny Elec.Devl.Co.,Ltd
122	Andoung Snay	Rolea Paier	Kampong Chhnaing	95	Chan Simoly
123	Chrey Bak	Rolea Paier	Kampong Chhnaing	95	Chan Simoly
124	Kouk Banteay	Rolea Paier	Kampong Chhnaing	95	Chan Simoly
125	Pongro	Rolea Paier	Kampong Chhnaing	96	Chear Sareth
126	Rolea B'ier	Rolea Paier	Kampong Chhnaing	96	Chear Sareth
127	Srae Thmei	Rolea Paier	Kampong Chhnaing	96	Chear Sareth
128	Svay Chrum	Rolea Paier	Kampong Chhnaing	96	Chear Sareth
129	Svay	Samaki Meanchey	Kampong Chhnaing	76	Quach Edward
130	Pou Angkrang	Bor Sedh	Kampong Speu	101	Chhin Song
131	Tuol Ampil	Bor Sedh	Kampong Speu	84	Mok Chen
132	Chbar Mon	Chbar Morn	Kampong Speu	1	EDC
133	Kandaol Dom	Chbar Morn	Kampong Speu	1	EDC
134	Roka Thum	Chbar Morn	Kampong Speu	1	EDC
135	Sopoar Tep	Chbar Morn	Kampong Speu	1	EDC
136	Svay Kravan	Chbar Morn	Kampong Speu	1	EDC
137	Chongruk	Korng Pisey	Kampong Speu	64	Chhin Seng
138	Prey Vihear	Korng Pisey	Kampong Speu	84	Mok Chen
139	Snam Krapeu	Korng Pisey	Kampong Speu	64	Chhin Seng
140	Khsem Khsan	Uddong	Kampong Speu	99	Leng Mov
141	Preah Srae	Uddong	Kampong Speu	76	Quach Edward
142	Veang Chas	Uddong	Kampong Speu	76	Quach Edward

143	Kiri Voan	Phnom Sruoch	Kampong Speu	67	Sok Hoy
144	Tang Sya	Phnom Sruoch	Kampong Speu	67	Sok Hoy
145	Traeng Trayueng	Phnom Sruoch	Kampong Speu	82	Ly Sokry
146	Roleang Chak	Samrong Torng	Kampong Speu	1	EDC
147	Kahaeng	Samrong Torng	Kampong Speu	1	EDC
148	Sambour	Samrong Torng	Kampong Speu	53	Long Nget
149	Trapeang Kong	Samrong Torng	Kampong Speu	53	Long Nget
149	Trapeang Kong	Samrong Torng	Kampong Speu	137	Meng Sok Leng
150	Voa Sa	Samrong Torng	Kampong Speu	1	EDC
150	Voa Sa	Samrong Torng	Kampong Speu	137	Meng Sok Leng
151	Ballangk	Baray	Kampong Thom	6	Huor Pheng
152	Baray	Baray	Kampong Thom	39	Kim Chantara
153	Chranieng	Baray	Kampong Thom	39	Kim Chantara
154	Chong Doung	Baray	Kampong Thom	6	Huor Pheng
155	Sou Young	Baray	Kampong Thom	32	Ngen Kong
156	Sralau	Baray	Kampong Thom	19	Te Kok Eng
157	Treal	Baray	Kampong Thom	19	Te Kok Eng
158	Damrei Choan Khla	Steung Sen	Kampong Thom	12	Sunjing & Chilbo Industrial
159	Kampong Thum	Steung Sen	Kampong Thom	12	Sunjing & Chilbo Industrial
160	Kampong Roteh	Steung Sen	Kampong Thom	12	Sunjing & Chilbo Industrial
161	Kampong Krabau	Steung Sen	Kampong Thom	12	Sunjing & Chilbo Industrial
162	Prey Ta Hu	Steung Sen	Kampong Thom	12	Sunjing & Chilbo Industrial
163	achar Leak	Steung Sen	Kampong Thom	12	Sunjing & Chilbo Industrial
164	Srayov	Steung Sen	Kampong Thom	12	Sunjing & Chilbo Industrial
165	Kampong Thma	Santuk	Kampong Thom	73	Treung San
166	Prasat	Santuk	Kampong Thom	73	Treung San
167	Tang Krasang	Santuk	Kampong Thom	73	Treung San
168	Kampong Chen Cheung	Staung	Kampong Thom	63	Ong Hoksin
169	Kampong Chen Tboung	Staung	Kampong Thom	63	Ong Hoksin
170	Samprouch	Staung	Kampong Thom	63	Ong Hoksin

171	Trea	Staung	Kampong Thom	63	Ong Hoksin
172	Phnum Kong	Angkor Chey	Kampot	97	Yin Each
173	Tani	Angkor Chey	Kampot	97	Yin Each
174	Samraong Kraom	Banteay Meas	Kampot	93	Khut Chenda
175	Samraong Leu	Banteay Meas	Kampot	93	Khut Chenda
176	Trapeang Sala Khang Lech	Banteay Meas	Kampot	93	Khut Chenda
177	Tuk Meas Khang Lech	Banteay Meas	Kampot	93	Khut Chenda
178	Voat Angk Khang Tboung	Banteay Meas	Kampot	93	Khut Chenda
179	Chhuk	Chhouk	Kampot	44	Kong Puthy
180	Satv Pong	Chhouk	Kampot	44	Kong Puthy
181	Boeng Sala Khang Cheung	Kampong Trach	Kampot	1	EDC
182	Damnak Kantuot Khang Tboung	Kampong Trach	Kampot	1	EDC
183	Kampong Trach Khang Kaeut	Kampong Trach	Kampot	1	EDC
184	Kampong Trach Khang Lech	Kampong Trach	Kampot	1	EDC
185	Kanthaor Khang kaeut	Kampong Trach	Kampot	1	EDC
186	Kanthaor Khang Lech	Kampong Trach	Kampot	1	EDC
187	Ruessei srok Khang Kaeut	Kampong Trach	Kampot	1	EDC
188	Ruessei Srok Khang Lech	Kampong Trach	Kampot	1	EDC
189	Svay Tong Khang Cheung	Kampong Trach	Kampot	1	EDC
190	Svay Tong Khang Tboung	Kampong Trach	Kampot	1	EDC
191	Chum Kriel	Kampot	Kampot	1	EDC
192	Kampong Kraeng	Kampot	Kampot	1	EDC
193	Kampong Samraong	Kampot	Kampot	1	EDC
194	Meakprang	Kampot	Kampot	1	EDC
195	Preaek Tnaot	Kampot	Kampot	1	EDC
196	Prey Khmum	Kampot	Kampot	1	EDC
197	Trapeang sangkae	Kampot	Kampot	1	EDC
198	Trapeang Thum	Kampot	Kampot	1	EDC
199	Kampong Kandal	Kampong Bay	Kampot	1	EDC
200	Krang Ampil	Kampong Bay	Kampot	1	EDC

201	Kampong Bay	Kampong Bay	Kampot	1	EDC
202	Andoung Khmaer	Kampong Bay	Kampot	1	EDC
203	Traeuy Kaoh	Kampong Bay	Kampot	1	EDC
204	Anlong Romiet	Kandal Steung	Kandal	58	Chhay Neng
205	Barku	Kandal Steung	Kandal	58	Chhay Neng
206	Preaek Kampis	Kandal Steung	Kandal	1	EDC
207	Chheu Teal	Kien Svay	Kandal	50	Reeco Company
208	Dei Edth	Kien Svay	Kandal	1	EDC
209	Kampong Svay	Kien Svay	Kandal	50	Reeco Company
210	Kbal Kaoh	Kien Svay	Kandal	1	EDC
211	Kokir	Kien Svay	Kandal	1	EDC
212	Phum Thum	Kien Svay	Kandal	1	EDC
213	Preaek Aeng	Kien Svay	Kandal	1	EDC
214	Preaek Thmei	Kien Svay	Kandal	1	EDC
214	Preaek Thmei	Kien Svay	Kandal	50	Reeco Company
215	Veal Sbov	Kien Svay	Kandal	1	EDC
216	Svay Chrum	Khsach Kandal	Kandal	114	Chear Taing
217	Kaoh Thum Kha	Koh Thom	Kandal	11	Anco Brothers Co.,Ltd
218	Preaek Sdei	Koh Thom	Kandal	11	Anco Brothers Co.,Ltd
219	Preaek Thmei	Koh Thom	Kandal	11	Anco Brothers Co.,Ltd
220	Sampov Lun	Koh Thom	Kandal	11	Anco Brothers Co.,Ltd
221	Kampong Phnum	Leuk Dek	Kandal	21	Nov Sokha
222	Preaek Tonloab	Leuk Dek	Kandal	21	Nov Sokha
223	Akreiy Ksatr	Lvea Em	Kandal	114	Chear Taing
224	Bak Khaeng	Muk Kampoul	Kandal	66	Pean Sokhalay
224	Bak Khaeng	Muk Kampoul	Kandal	90	Ven Veasna
224	Bak Khaeng	Muk Kampoul	Kandal	103	Nhem Phany
225	Kaoh Dach	Muk Kampoul	Kandal	143	Leang Chunny
226	Preaek Anhchanh	Muk Kampoul	Kandal	66	Pean Sokhalay
227	Preaek Dambang	Muk Kampoul	Kandal	37	Ieng Seng Hy

228	Roka Kaong Muoy	Muk Kampoul	Kandal	37	Ieng Seng Hy
229	Roka Kaong Pir	Muk Kampoul	Kandal	37	Ieng Seng Hy
230	Sambuor Meas	Muk Kampoul	Kandal	90	Ven Veasna
231	Baek Chan	Ang Snuol	Kandal	1	EDC
232	Boeng Thum	Ang Snuol	Kandal	1	EDC
233	Chhak Chheu Neang	Ang Snuol	Kandal	61	Khoeun Sambath
234	Damnak Ampil	Ang Snuol	Kandal	53	Long Nget
234	Kamboul	Ang Snuol	Kandal	1	EDC
235	Kantaok	Ang Snuol	Kandal	1	EDC
236	Krang Mkak	Ang Snuol	Kandal	1	EDC
236	Lumhach	Ang Snuol	Kandal	53	Long Nget
237	Mkak	Ang Snuol	Kandal	99	Leng Mov
238	Peuk	Ang Snuol	Kandal	61	Khoeun Sambath
239	Ponsang	Ang Snuol	Kandal	1	EDC
240	Snao	Ang Snuol	Kandal	1	EDC
241	Kampong Luong	Ponhea Leu	Kandal	76	Quach Edward
242	Kaoh Chen	Ponhea Leu	Kandal	62	Keb Borey
243	Ponhea Lueu	Ponhea Leu	Kandal	76	Quach Edward
244	Ponhea Pon	Ponhea Leu	Kandal	1	EDC
245	Preaek Pnov	Ponhea Leu	Kandal	1	EDC
246	Phsar Daek	Ponhea Leu	Kandal	76	Quach Edward
247	Samraong	Ponhea Leu	Kandal	1	EDC
248	Tumnob Thum	Ponhea Leu	Kandal	99	Leng Mov
249	Vihear Luong	Ponhea Leu	Kandal	76	Quach Edward
250	Kaoh Khael	Saang	Kandal	11	Anco Brothers Co.,Ltd
251	Preaek Ambel	Saang	Kandal	11	Anco Brothers Co.,Ltd
252	Prek Koy	Saang	Kandal	11	Anco Brothers Co.,Ltd
252	Preaek Koy	Saang	Kandal	71	Heng Tray
252	Preaek Koy	Saang	Kandal	86	Koeung Rithy
253	Roka Khpos	Saang	Kandal	1	EDC

253	Roka Khpos	Saang	Kandal	86	Koeung Rithy
254	S;ang Phnum	Saang	Kandal	71	Heng Tray
255	Setbou	Saang	Kandal	86	Koeung Rithy
256	Svay Rolum	Saang	Kandal	1	EDC
257	Ta Lon	Saang	Kandal	49	Khiev Nareth
258	Traeuy Sla	Saang	Kandal	49	Khiev Nareth
259	Twkvil	Saang	Kandal	11	Anco Brothers Co.,Ltd
260	Ta Kdol	Takhmau	Kandal	1	EDC
261	Preaek Ruessei	Takhmau	Kandal	1	EDC
262	Daeum Mien	Takhmau	Kandal	1	EDC
263	Ta Khmau	Takhmau	Kandal	1	EDC
264	Preaek Hour	Takhmau	Kandal	1	EDC
265	Kampong Samnanh	Takhmau	Kandal	1	EDC
266	Kaoh Sdach	Kirisakor	Koh Kong	106	Ann Samlan
266	Kaoh Sdach	Kirisakor	Koh Kong	106	Ann Samlan
267	Smach Mean Chey	Smach Meanchey	Koh Kong	14	Duty Free Shop
268	Dang Tong	Smach Meanchey	Koh Kong	14	Duty Free Shop
269	Stueng Veaeng	Smach Meanchey	Koh Kong	14	Duty Free Shop
270	Bak Khlang	Mondul Seima	Koh Kong	14	Duty Free Shop
271	Peam Krasaob	Mondul Seima	Koh Kong	14	Duty Free Shop
272		Sre Ambil	Koh Kong	28	Samrith Sothy
273	Bos Leav	Kratie	Kratie	59	Electricity of Kratie Province
274	Krakor	Kratie	Kratie	59	Electricity of Kratie Province
275	Kracheh	Kratie	Kratie	59	Electricity of Kratie Province
276	Ou Ruessei	Kratie	Kratie	59	Electricity of Kratie Province
277	Roka Kandal	Kratie	Kratie	59	Electricity of Kratie Province
278	Pir Thnu	Snuol	Kratie	59	Electricity of Kratie Province
279	Snuol	Snuol	Kratie	59	Electricity of Kratie Province
280	Srae Char	Snuol	Kratie	59	Electricity of Kratie Province
281	Tonle Basak	Chamkar Morn	Phnom Penh	1	EDC

282	Boeng Keng Kang Muoy	Chamkar Morn	Phnom Penh	1	EDC
283	Boeng Keng Kang Pir	Chamkar Morn	Phnom Penh	1	EDC
284	Boeng Keng kang Bei	Chamkar Morn	Phnom Penh	1	EDC
285	Oulampik	Chamkar Morn	Phnom Penh	1	EDC
286	Tuol Svay Prey Muoy	Chamkar Morn	Phnom Penh	1	EDC
287	Tuol Svay Prey Pir	Chamkar Morn	Phnom Penh	1	EDC
288	Tumnob Tuek	Chamkar Morn	Phnom Penh	1	EDC
289	Tuol Tumpung Pir	Chamkar Morn	Phnom Penh	1	EDC
290	Tuol Tumpung Muoy	Chamkar Morn	Phnom Penh	1	EDC
291	Boeng Trabaek	Chamkar Morn	Phnom Penh	1	EDC
292	Phsar Daeum Thkov	Chamkar Morn	Phnom Penh	1	EDC
293	Phsar Thmei Muoy	Daun Penh	Phnom Penh	1	EDC
294	Phsar Thmei Pir	Daun Penh	Phnom Penh	1	EDC
295	Phsar Thmei Bei	Daun Penh	Phnom Penh	1	EDC
296	Boeng Reang	Daun Penh	Phnom Penh	1	EDC
297	Phsar Kandal Muoy	Daun Penh	Phnom Penh	1	EDC
298	Phsar Kandal Pir	Daun Penh	Phnom Penh	1	EDC
299	Chakto Mukh	Daun Penh	Phnom Penh	1	EDC
300	Chey Chumneah	Daun Penh	Phnom Penh	1	EDC
301	Phsar Chas	Daun Penh	Phnom Penh	1	EDC
302	Srah Chak	Daun Penh	Phnom Penh	1	EDC
303	Voat Phnum	Daun Penh	Phnom Penh	1	EDC
304	Ou Ruessei Muoy	7 Makara	Phnom Penh	1	EDC
305	Ou Ruessei Pir	8 Makara	Phnom Penh	1	EDC
306	Ou Ruessei Bei	9 Makara	Phnom Penh	1	EDC
307	Ou Ruessei Buon	10 Makara	Phnom Penh	1	EDC
308	Monourom	11 Makara	Phnom Penh	1	EDC
309	Mittakpheap	12 Makara	Phnom Penh	1	EDC
310	Veal Vong	13 Makara	Phnom Penh	1	EDC
311	Boeng Prolit	14 Makara	Phnom Penh	1	EDC

312	Phsar Depou Muoy	Tuol Kork	Phnom Penh	1	EDC
313	Phsar Depou Pir	Tuol Kork	Phnom Penh	1	EDC
314	Phsar Depou Bei	Tuol Kork	Phnom Penh	1	EDC
315	Tuek L'ak Muoy	Tuol Kork	Phnom Penh	1	EDC
316	Tuek L'ak Pir	Tuol Kork	Phnom Penh	1	EDC
317	Tuek L'ak Bei	Tuol Kork	Phnom Penh	1	EDC
318	Boeng Kak Muoy	Tuol Kork	Phnom Penh	1	EDC
319	Boeng Kak Pir	Tuol Kork	Phnom Penh	1	EDC
320	Phsar Daeum Kor	Tuol Kork	Phnom Penh	1	EDC
321	Boeng Salang	Tuol Kork	Phnom Penh	1	EDC
322	Dangkao	Dangkor	Phnom Penh	1	EDC
323	Trapeang krasang	Dangkor	Phnom Penh	1	EDC
324	Kouk Roka	Dangkor	Phnom Penh	1	EDC
325	Phleung Chheh Roteh	Dangkor	Phnom Penh	1	EDC
326	Chaom Chau	Dangkor	Phnom Penh	1	EDC
327	Kakab	Dangkor	Phnom Penh	1	EDC
328	Pong Tuek	Dangkor	Phnom Penh	1	EDC
329	Prey Veaeng	Dangkor	Phnom Penh	1	EDC
330	Samraong Kraom	Dangkor	Phnom Penh	1	EDC
331	Prey Sa	Dangkor	Phnom Penh	1	EDC
332	Krang Thnong	Dangkor	Phnom Penh	1	EDC
333	Krang Pongro	Dangkor	Phnom Penh	1	EDC
334	Prateah Lang	Dangkor	Phnom Penh	1	EDC
335	Cheung Aek	Dangkor	Phnom Penh	1	EDC
336		Dangkor	Phnom Penh	1	EDC
337	Stueng Mean Chey	Meanchey	Phnom Penh	1	EDC
338	Boeng Tumpun	Meanchey	Phnom Penh	1	EDC
339	Preaek Pra	Meanchey	Phnom Penh	1	EDC
340	Chbar Ampov Muoy	Meanchey	Phnom Penh	1	EDC
341	Chbar Ampov Pir	Meanchey	Phnom Penh	1	EDC

342	Chak Angrae Leu	Meanchey	Phnom Penh	1	EDC
343	Chak Angrae Kraom	Meanchey	Phnom Penh	1	EDC
344	Nirouth	Meanchey	Phnom Penh	1	EDC
345	Khmuonh		Phnom Penh	1	EDC
346	Tuol Sangkae		Phnom Penh	1	EDC
347	Svay Pak	Russey Keo	Phnom Penh	1	EDC
348	Kiloumaetr Lekh Prammuoy	Russey Keo	Phnom Penh	1	EDC
349	Phnom Penh Thmei	Russey Keo	Phnom Penh	1	EDC
350	Ruessei Kaev	Russey Keo	Phnom Penh	1	EDC
351	Tuek Thla	Russey Keo	Phnom Penh	1	EDC
352	Preaek Lieb	Russey Keo	Phnom Penh	1	EDC
353	Preaek Ta Sek	Russey Keo	Phnom Penh	1	EDC
354	Chrouy Changva	Russey Keo	Phnom Penh	1	EDC
355	Chrang Chamreh Muoy	Russey Keo	Phnom Penh	1	EDC
356	Chrang Chamreh Pir	Russey Keo	Phnom Penh	1	EDC
357	Robieb	Rovieng	Preah Vihear	128	Eang Khon
358	Raksmey	Rovieng	Preah Vihear	128	Eang Khon
359	Rungroeung	Rovieng	Preah Vihear	128	Eang Khon
360	Kampong Pranak		Preah Vihear	31	Chan Thon
361	Pal Hal		Preah Vihear	31	Chan Thon
362	Ansaong	Kampong Trabek	Prey Veng	36	Pauch Kim
363	Prasat	Kampong Trabek	Prey Veng	36	Pauch Kim
364	Banlich Prasat	Peamro	Prey Veng	17	Bun Liv
365	Neak Loeang	Peamro	Prey Veng	17	Bun Liv
366	Preaek Khsay Ka	Peamro	Prey Veng	17	Bun Liv
367	Preaek Khsay Kha	Peamro	Prey Veng	17	Bun Liv
368	Kampong Popil	Pearaing	Prey Veng	45	Keo Dara
369	Roka	Pearaing	Prey Veng	18	Ky Sophea
370	Svay Antor	Prey Veng	Prey Veng	46	Seng Sokun
371	Baray	Kampong Leav	Prey Veng	1	EDC

372	Cheung Tuek	Kampong Leav	Prey Veng	1	EDC
373	Kampong Leav	Kampong Leav	Prey Veng	1	EDC
374	Boeng Khnar	Bakan	Pursat	33	Chhuor Nguon
375	Ou Ta Paong	Bakan	Pursat	102	Preab Vannareth
376	Svay Doun Kaev	Bakan	Pursat	72	Ya Sambath
377	Trapeang Chong	Bakan	Pursat	34	Toem Touch
378	Anlong Vil	Kandieng	Pursat	52	Nareth Elec.Devl.Co.,Ltd
379	Banteay Dei	Kandieng	Pursat	52	Nareth Elec.Devl.Co.,Ltd
380	Kandieng	Kandieng	Pursat	52	Nareth Elec.Devl.Co.,Ltd
381	Svay Luong	Kandieng	Pursat	52	Nareth Elec.Devl.Co.,Ltd
382	Veal	Kandieng	Pursat	52	Nareth Elec.Devl.Co.,Ltd
383	Anlong Tnaot	Krakor	Pursat	125	York Savong
384	Kbal Trach	Krakor	Pursat	125	York Savong
385	Leach	Phnom Kravanh	Pursat	124	Yeab Lav
386	Rokat	Phnom Kravanh	Pursat	124	Yeab Lav
387	Santreae	Phnom Kravanh	Pursat	124	Yeab Lav
388	Samraong	Phnom Kravanh	Pursat	124	Yeab Lav
389	Kaoh Chum	Sampeou Meas	Pursat	52	Nareth Elec.Devl.Co.,Ltd
390	Lolok Sa	Sampeou Meas	Pursat	52	Nareth Elec.Devl.Co.,Ltd
391	Phteah Prey	Sampeou Meas	Pursat	52	Nareth Elec.Devl.Co.,Ltd
392	Prey Nhi	Sampeou Meas	Pursat	52	Nareth Elec.Devl.Co.,Ltd
393	Roleab	Sampeou Meas	Pursat	52	Nareth Elec.Devl.Co.,Ltd
394	Svay at	Sampeou Meas	Pursat	52	Nareth Elec.Devl.Co.,Ltd
395	Kachanh	Andaung Meas	Ratanakiri	1	EDC
396	Labansiek	Andaung Meas	Ratanakiri	1	EDC
397	Yeak Laom	Andaung Meas	Ratanakiri	1	EDC
398	Ou Chum	O Chum	Ratanakiri	1	EDC
399	Kampong Kdei	Chi Kreng	Siemreab	111	Kong Vun
399	Kampong Kdei	Chi Kreng	Siemreab	112	Ly Kung
400	Kouk Thlok Kraom	Chi Kreng	Siemreab	111	Kong Vun

401	Puok	Puok	Siemreab	35	Chhuoy Poeut
402	Puok	Puok	Siemreab	1	EDC
403	Sla Kram	Siemreab	Siemreab	1	EDC
404	Svay Dangkum	Siemreab	Siemreab	1	EDC
405	Kouk Chak	Siemreab	Siemreab	1	EDC
406	Sala Kamraeuk	Siemreab	Siemreab	1	EDC
407	Nokor Thum	Siemreab	Siemreab	1	EDC
408	Chreav	Siemreab	Siemreab	1	EDC
409	Sambuor	Siemreab	Siemreab	1	EDC
410	Siem Reab	Siemreab	Siemreab	1	EDC
411	Srangae	Siemreab	Siemreab	1	EDC
412	Dam Daek	Sotr Nikum	Siemreab	48	Chhom Sophay
413	Kampong Khleang	Sotr Nikum	Siemreab	48	Chhom Sophay
414	Kien Sangkae	Sotr Nikum	Siemreab	83	Toung Yeun
415	Ta Yaek	Sotr Nikum	Siemreab	83	Toung Yeun
416	Sangkat Muoy	Mittpheab	Sihanoukville	1	EDC
417	Sangkat Pir	Mittpheab	Sihanoukville	1	EDC
418	Sangkat Bei	Mittpheab	Sihanoukville	1	EDC
419	Sangkat Buon	Mittpheab	Sihanoukville	1	EDC
420	Bet Trang	Prey Nub	Sihanoukville	98	Kun Sivanny
421	Cheung Kou	Prey Nub	Sihanoukville	29	Sok Thy
422	Ream	Prey Nub	Sihanoukville	98	Kun Sivanny
423	Samrong	Prey Nub	Sihanoukville	29	Sok Thy
424	Veal Renh	Prey Nub	Sihanoukville	29	Sok Thy
425	Kampenh	Steung Hav	Sihanoukville	30	Ly Bunthy
426	Ou Treh	Steung Hav	Sihanoukville	120	Chan Keat
427	Tumnob Rolok	Steung Hav	Sihanoukville	30	Ly Bunthy
428	Stueng Traeng	Stueng Traeng	Steung Treng	1	EDC
429	Srah Ruessei	Stueng Traeng	Steung Treng	1	EDC
430	Preah Bat	Stueng Traeng	Steung Treng	1	EDC

431	Bavet	Chantrea	Svay Rieng	1	EDC
432	Nhor	Kampong Ro	Svay Rieng	1	EDC
433	Ksetr	Kampong Ro	Svay Rieng	1	EDC
434	Preah Ponlea	Kampong Ro	Svay Rieng	1	EDC
435	Prey Thum	Kampong Ro	Svay Rieng	1	EDC
436	Reach Montir	Kampong Ro	Svay Rieng	1	EDC
437	Svay Toea	Kampong Ro	Svay Rieng	1	EDC
438	Thmei	Kampong Ro	Svay Rieng	1	EDC
439	Chamlang	Svay Chrum	Svay Rieng	1	EDC
440	Chek	Svay Chrum	Svay Rieng	1	EDC
441	Svay Rieng	Svay Rieng	Svay Rieng	1	EDC
442	Prey Chhlak	Svay Rieng	Svay Rieng	1	EDC
443	Koy Trabaek	Svay Rieng	Svay Rieng	1	EDC
444	Pou Ta Hao	Svay Rieng	Svay Rieng	1	EDC
445	Kandieng Reay	Svay Teab	Svay Rieng	1	EDC
446	Prasout	Svay Teab	Svay Rieng	1	EDC
447	Romeang Thkaol	Svay Teab	Svay Rieng	1	EDC
448	Sambuor	Svay Teab	Svay Rieng	1	EDC
449	Sangkhoar	Svay Teab	Svay Rieng	1	EDC
450	Angkor Borei	Angkor Borey	Takeo	113	Nou Kruy
451	Chambak	Bati	Takeo	118	Sok Kheng
452	Kandeung	Bati	Takeo	15	Srey Sokhom
453	Souphi	Bati	Takeo	64	Chhin Seng
454	Tang Doung	Bati	Takeo	64	Chhin Seng
455	Trapeang Krasang	Bati	Takeo	118	Sok Kheng
456	Trapeang Sab	Bati	Takeo	15	Srey Sokhom
456	Trapeang Sab	Bati	Takeo	118	Sok Kheng
457	Bourei Cholsar	Romduol	Takeo	22	Kong Phat
458	Doung Khpos	Romduol	Takeo	22	Kong Phat
459	Kouk Pou	Romduol	Takeo	22	Kong Phat

460	Preah Bat Choan Chum	Kirivong	Takeo	13	Mak Thorn
461	Kiri Chong Kaoh	Kirivong	Takeo	13	Mak Thorn
462	Phnum Den	Kirivong	Takeo	13	Mak Thorn
463	Prey Rumdeng	Kirivong	Takeo	133	Hak Ly Seng
464	Romenh	Koh Andet	Takeo	134	Try Khlauk
465	Champa	Prey Kabbas	Takeo	54	Ouch Por
466	Kdanh	Prey Kabbas	Takeo	54	Ouch Por
467	Prey Lvea	Prey Kabbas	Takeo	20	Chhour Lay
468	Prey Phdau	Prey Kabbas	Takeo	54	Ouch Por
469	Tang Yab	Prey Kabbas	Takeo	54	Ouch Por
470	Boeng Tranh Khang Cheung	Samrong	Takeo	101	Chhin Song
471	Boeng Tranh Khang Tboung	Samrong	Takeo	101	Chhin Song
472	Chumreah Pen	Samrong	Takeo	84	Mok Chen
473	Khvav	Samrong	Takeo	84	Mok Chen
474	Rovieng	Samrong	Takeo	84	Mok Chen
475	Baray	Daun Keo	Takeo	1	EDC
476	Roka Knong	Daun Keo	Takeo	1	EDC
477	Roka Krau	Daun Keo	Takeo	1	EDC
478	Angk Ta Saom	Tram Kak	Takeo	1	EDC
479	Leay Bour	Tram Kak	Takeo	1	EDC
480	Otdam Souriya	Tram Kak	Takeo	1	EDC
481	Srae Ronoung	Tram Kak	Takeo	1	EDC
482	Ta Phem	Tram Kak	Takeo	1	EDC
483	Tram Kak	Tram Kak	Takeo	121	Kaing Gech Seam
484	Prey Sloek	Traing	Takeo	55	Park Hean
485	Smaong	Traing	Takeo	16	Ke Kuyhuoy
486	Bansay Reak	Samrong	Uddor Meanchey	14	Duty Free Shop
487	Kriel	Samrong	Uddor Meanchey	14	Duty Free Shop
488	Samraong	Samrong	Uddor Meanchey	14	Duty Free Shop
489	Sankat Pai Lin	Pailin	Pailin	89	Vannak Peap Company

490	Ou Ta Vau	Pailin	Pailin	89	Vannak Peap Company
491	Tuol Lvea	Pailin	Pailin	89	Vannak Peap Company
492	Bar Yakha	Pailin	Pailin	89	Vannak Peap Company
493	Sala Krau	Salakrao	Pailin	9	MSP
494	Stueng Kach	Salakrao	Pailin	9	MSP
495	Ou Andoung	Salakrao	Pailin	9	MSP