

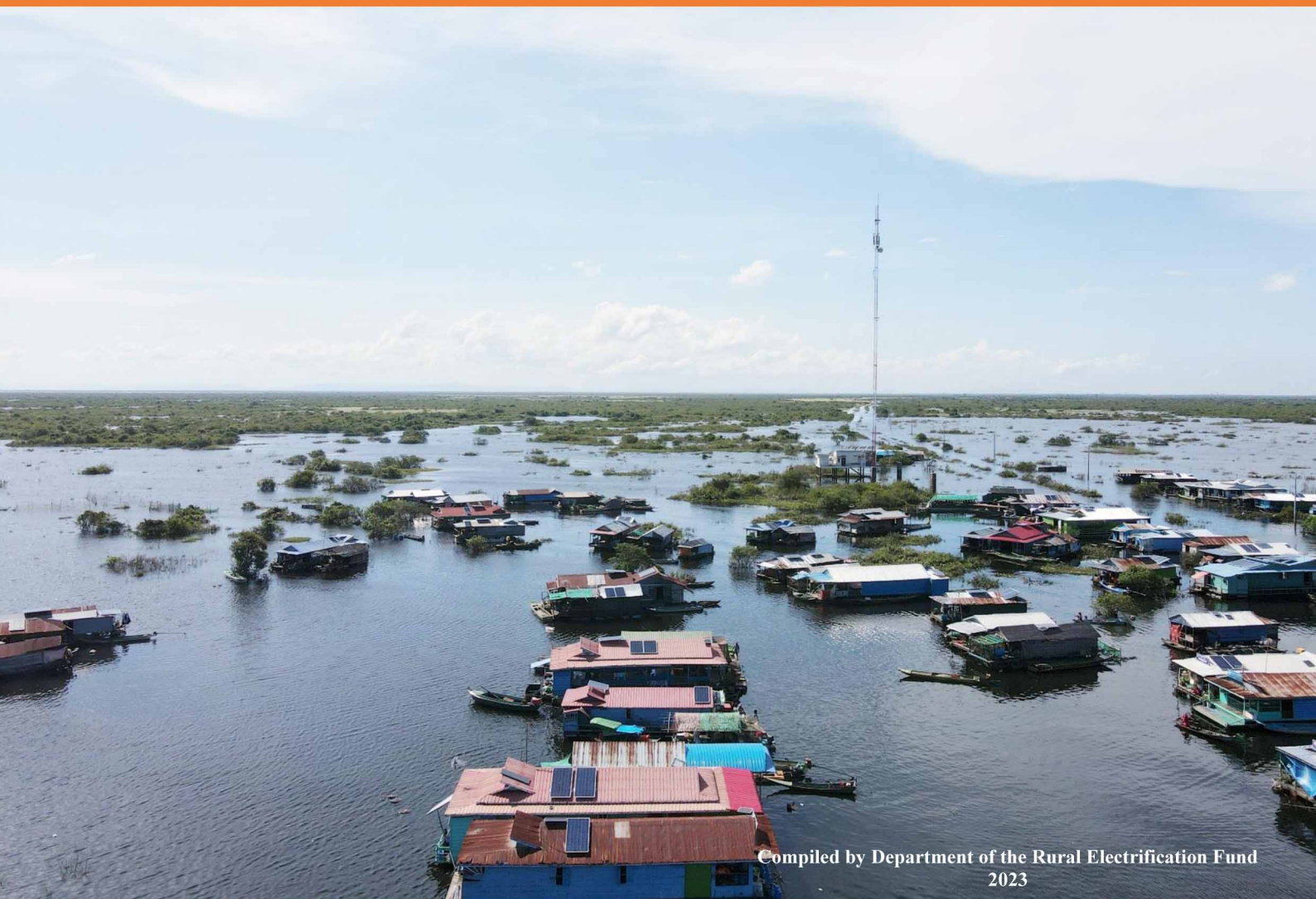


# **Electricité Du Cambodge**

## **Department of Rural Electrification**

### **Report on**

# **Transferring the Real Benefits to the Rural Population for the Year 2022**



Compiled by Department of the Rural Electrification Fund  
2023



[admin@ref.gov.kh](mailto:admin@ref.gov.kh)



[www.ref.gov.kh](http://www.ref.gov.kh)

**Message from  
Minister attached to the Prime Minister  
Managing Director of Electricité du Cambodge (EDC)**



It is my honour to present the annual report of the Department of Rural Electrification Fund (REF) of EDC for the year 2022. This report highlights our commitment to improving the quality of life for rural communities in Cambodia through enhanced access to electricity.

In 2022, REF received a significant fund of KHR 480.72 billion from EDC, dedicated to extending the benefits of electrification to rural areas. Our strategic initiatives and targeted programs have made substantial progress in this endeavour, bringing tangible benefits to many.

Through the **Power to the Poor (P2P) Program**, we facilitated access to grid electricity for impoverished households in rural areas. In 2022, subsidies of \$100, \$50, and electrical materials, were provided to 2,510 households, benefiting 11,546 individuals.

The **Solar Home System (SHS) Program** aimed at households without access to the electricity network, provided solar home systems (SHS) as grants. In 2022, REF installed 615 SHS-500Wp units with rice cookers, benefiting 2,829 individuals. Since 2018, a total of 58,132 SHS units have been installed.

Our **Improvement of Electricity Infrastructure** initiative supported private electricity suppliers in rural areas to expand and improve their infrastructure. In 2022, 84 licensees benefited, leading to the construction of 955 km of electrical lines, thus improving the distribution network.

Under the **Subsidy for Grid-Connected Licensees** program, we provided subsidies to reduce tariffs for electricity in rural areas including those operating in the Phnom Penh Market. In 2022, 328 distribution licensees and 59 subcontract licensees received subsidies, making electricity more affordable for rural communities and markets.

The **Special Preferential Rate for Agricultural Sector** continued to offer a special tariff of 480 Riels per kWh for electricity used at night (9:00 p.m. to 7:00 a.m.) in the agricultural sector. In 2022, electricity connections were provided to 100 agricultural consumers, supporting the sector's growth.

In 2022, the **Solar Mini-grid Power Supply Project** completed a 162 kW solar mini-grid project, providing electricity to 173 households in Kampong Leng District, Kampong Chhnang Province. This project was a collaborative effort with SchneiTec & Chint Group, demonstrating our commitment to sustainable energy solutions.

These initiatives have resulted in significant benefits for millions of households, contributing to Cambodia's sustainable economic and social development.

We express our deepest gratitude to the Board of Directors of EDC for their invaluable support and guidance in our mission to enhance rural electrification.



---

**H.E. KEO ROTTANAK**

**Minister attached to the Prime Minister**

**Managing Director of Electricité Du Cambodge** *fac* *B*

## Table of Contents

	Page
<b>Chapter 1 Policies and Development Strategies of Electrical Energy Sector and Policies Concerning Rural Development and Utilization of Renewable Energy .....</b>	<b>9</b>
1.1 Policies of Electrical Energy Sector of RGC of the Sixth Mandate of the National Assembly .....	9
1.2 Developmental Strategies of Electrical Energy Sector of RGC as stated in the Sixth Mandate of the National Assembly .....	9
<b>Chapter 2 Information on Rural Electrification Fund .....</b>	<b>11</b>
2.1 Establishment of REF .....	11
2.2 Organization Structure .....	11
2.3 Library .....	11
2.4 Address .....	12
2.5 The Sources of Fund .....	13
2.6 REF's Funding and the Use of Fund .....	13
<b>Chapter 3 Information on Objectives, Mission and Program for Transferring the Real Benefits to the Rural Population of REF .....</b>	<b>14</b>
3.1 Objectives .....	14
3.2 Missions .....	14
3.3 Program for Transferring the Real Benefits to the Rural Population	15
3.3.1 Program for Power to the Poor (P2P) .....	15
3.3.2 Program for Solar Home System (SHS) .....	15
3.3.3 Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas .....	15
3.3.4 Program for providing subsidy, under the framework of Strategic Planning for Reduction the Rate and Gap of the tariff for sale of the electricity in the Kingdom of Cambodia for the year 2015 to 2022 in provinces and cities, to the licensees connected to the grid system for reduction of tariff for sale of electricity in rural areas .....	15
3.3.5 Program for Applying the Special Preferential Rate of 480 riels per kWh for Electricity Consumption during night time from 9:00 p.m. to 7:00 a.m. for all types of consumers in Agricultural Sector for the Power Supply Sourced from the National Grid .....	15
3.3.6 Solar Mini-grid Power Supply Project .....	15
3.4 Criterion for Implementation of Each Program .....	16
3.4.1 Criterion for Power to the Poor (P2P) Program .....	16
3.4.1.1 Criteria for P2P Program by Providing Subsidy of \$100 per ID Poor Household .....	16
3.4.1.2 Criteria for P2P Program by Providing Subsidy of \$50 per Household .....	17
3.4.1.3 Criteria for P2P Program by Providing Electrical Materials per household as Grant .....	18
3.4.2 Criterion for Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas .....	19

3.4.3	Criterion for program for providing subsidy, under the framework of Strategic Planning for Reduction the Rate and Gap of the tariff for sale of the electricity in the Kingdom of Cambodia for the year 2015 to 2022 in provinces and cities, to the licensees connected to the grid system for reduction of tariff for sale of electricity in rural areas .....	23
3.4.4	Criterion for Program for applying the special preferential rate of 480 riels per kWh for electricity consumption during night time from 9:00 p.m. to 7:00 a.m. for all types of consumers in agricultural sector in the power supply area sourced from the national grid .....	23
<b>Chapter 4</b>	<b>Information on the Progress, Achievements and Analysis of Each Program Implemented by REF .....</b>	<b>24</b>
4.1	Program for Power to the Poor (P2P) .....	24
4.1.1	P2P Program by providing subsidy of \$100 per ID Poor Household .....	24
4.1.1.1	Progress, Achievement and Analysis of Program .....	24
4.1.1.2	Site Inspection Activities on Implementation of P2P Program by providing subsidy of \$100 per ID Poor Household, funded by EDC .....	25
4.1.2	P2P Program by Providing Subsidy of \$50 per Household .....	26
4.1.2.1	Progress, Achievement and Analysis of Program .....	26
4.1.2.2	Site Inspection Activities on Implementation of P2P Program by providing subsidy of \$50 per household, funded by EDC .....	26
4.1.3	P2P Program by Providing Electrical Materials per Househld as Grant .....	27
4.1.3.1	Progress, Achievement and Analysis of Program .....	27
4.1.3.2	Site Inspection Activities on Implementation of P2P program by providing electrical materials per househld as donation, funded by EDC and KfW .....	29
4.2	Program for Solar Home System (SHS) .....	29
4.3	Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas .....	30
4.3.1	Progress, Achievement and Analysis of Program .....	30
4.3.2	Site Inspection Activities on Implementation of Program .....	32
4.4	Program for Providing Subsidy to the Licensees who are Connected to the Grid System under the Framework of Strategic Planning for Reduction of Tariff for Sale of Electricity in the Kingdom of Cambodia during the years 2015 to 2022 in Provinces and Cities .....	33
4.5	Program for Applying the Special Preferential Rate of 480 riels per kWh for Electricity Consumption during night time from 9:00 p.m. to 7:00 a.m. for all types of consumers in Agricultural Sector for the Power Supply Sourced from the National Grid .....	46



4.5.1	Site inspection activities on implementation of the special preferential rate of 480 riels per kWh for electricity consumption during night time from 9:00 p.m. to 7:00 a.m. for all types of consumers in agricultural sector under licensee's supply area .....	47
4.5.2	Site inspection activities on installation of the Prepaid TOU Meter under licensee's supply area .....	48
4.6	Solar Mini-grid Power Supply Project .....	48
Annex 1	: Provincewise summary information on the number of rural household connected to supply system and present position under P2P program by providing subsidy of \$100 per ID poor household, funded by EDC, in 2022 .....	50
Annex 2	: Provincewise total number of villages, in which P2P program by providing subsidy of \$100 per ID poor household, funded by EDC, was implemented in 2022 .....	51
Annex 3	: Map showing the provinces, in which P2P program by providing subsidy of \$100 per ID poor household, funded by EDC, was implemented in 2022 .....	52
Annex 4	: Provincewise summary information on the number of rural household connected to supply system and present position under P2P program by providing subsidy of \$50 per household in 2022 .....	53
Annex 5	: List of villages covered, P2P program by providing subsidy of \$50 per household, funded by EDC, was implemented in 2022 .....	54
Annex 6	: Map showing the provinces, in which P2P program by providing subsidy of \$50 per household, funded by EDC, was implemented in 2022 .....	55
Annex 7	: Provincewise information on licensees who have executed contracts, funded by EDC and KfW, with REF for providing electrical materials as donation to rural household (HH) to connect the electricity to the rural household's house under P2P program by providing electrical materials per household as donation, in 2022 .....	56
Annex 8	: Provincewise summary information on contracted target number of rural households to be connected, number of rural households connected, funded by EDC and KfW, under P2P program by providing electrical materials per household as donation in 2022 .....	58
Annex 9	: List of villages covered under P2P program by providing electrical materials per household as donation, funded by EDC and KfW, was implemented in 2022 .....	59
Annex 10	: Map showing the provinces, in which P2P program by providing electrical materials per household as donation, funded by EDC and KfW, was implemented in 2022 .....	62
Annex 11	: List of villages, in which 615 SHS-500Wp with 4L Panasonic AC Rice Cooker have been installed, funded by EDC, in 2022 .....	63
Annex 12	: Map showing the provinces, in which SHS-500Wp with 4L Panasonic AC Rice Cooker have been installed, funded by EDC, in 2022 .....	64

Annex 13	: Provincewise information on licensees who have executed contracts, funded by EDC and KfW, with REF for getting assistance to improve existing and develop electricity infrastructure in rural areas in 2022 .....	65
Annex 14	: Provincewise summary information on contracted target length of network, constructed length of network and present position under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas, funded by EDC and KfW, in 2022 .....	69
Annex 15	: List of villages covered under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas, funded by EDC and KfW, in 2022 .....	73
Annex 16	: Map showing the provinces for which REF provided assistance to improve existing and develop electricity infrastructure in rural areas, funded by EDC and KfW, in 2022 .....	83
Annex 17	: Provincewise summary information on customers having electricity connection for agriculture category and service location under special preferential rate of 480 riels per kWh for the use of electricity during night time from 9:00 p.m. to 7:00 a.m. in EDC's supply area during 2022 .....	84
Annex 18	: Provincewise summary information on customers having electricity connection for agriculture category and service location under special preferential rate of 480 riels per kWh for the use of electricity during night time from 9:00 p.m. to 7:00 a.m. in licensee's supply area during 2022 .....	89
Annex 19	Provincewise summary information on licensees having installed Prepaid TOU Meters and the number of TOU Meters installed under licensee's supply area in 2022 .....	91
Annex 20	Provincewise summary information on licensees, having installed Prepaid TOU Meters in their area of supply and present position in 2022 .....	92
Annex 21	Provincewise list of villages, in which the Prepaid TOU Meters have been installed under licensee's supply area in 2022 .....	93

## List of Tables

	Page
Table 1 : Provincewise information on the number of rural households connected to supply system in each province under P2P Program by providing subsidy of \$100 per ID Poor Household, funded by EDC, in 2022 .....	24
Table 2 : Provincewise total number of villages and villages, in which P2P program by providing subsidy of \$100 per ID poor household, funded by EDC, was implemented in 2022 .....	24
Table 3 : Provincewise information on the number of rural households connected to supply system in each province under P2P program by providing subsidy of \$50 per household, funded by EDC, in 2022 .....	26
Table 4 : Provincewise total number of villages and villages, in which P2P program by providing subsidy of \$50 per household, funded by EDC, was implemented in 2022 .....	26
Table 5 : Provincewise information on contracted target number of rural households to be connected, number of rural households connected to supply system in each province, funded by EDC and KfW, under P2P program by providing electrical materials per househld as donation in 2022 .....	28
Table 6 : Provincewise total number of villages and villages, in which P2P program by providing electrical materials per househld as donation, funded by EDC and KfW, under P2P program by providing electrical materials per househld as donation, was implemented in 2022 .....	28
Table 7 : Provincewise information on 615 SHS-500Wp with 4L Panasonic AC Rice Cooker installed to rural households, funded by EDC, in 2022 .....	30
Table 8 : Provincewise total number of villages and villages where the 615 SHS-500Wp with 4L Panasonic AC Rice Cooker, funded by EDC, were installed in 2022 .....	30
Table 9 : Provincewise information on contracted target length of network, constructed length of network, funded by EDC and KfW, under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas in 2022 .....	31
Table 10 : Provincewise total number of villages and number of villages electrified under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas, funded by EDC and KfW, in 2022 .....	32
Table 11a : Provincewise summary information on number of customer for which REF has disbursed subsidy to the licensees in 2022 (Cycle 2021) .....	34
Table 11b : Provincewise summary information on quantity of energy for which REF has disbursed subsidy to the licensees in 2022 (Cycle 2021) .....	37
Table 12a : Provincewise summary information on number of customer for which REF has disbursed subsidy to the licensees in 2022 (Cycle 2022) .....	40
Table 12b : Provincewise summary information on quantity of energy for which REF has disbursed subsidy to the licensees in 2022 (Cycle 2022) .....	43
Table 13 : Provincewise summary information on EDC having electricity connection for all types of agriculture category under special preferential rate of 480	46



	riels per kWh for the use of electricity during night time from 9:00 p.m. to 7:00 a.m. in EDC's supply area during 2022 .....	
Table 14	Provincewise summary information on licensees having electricity connection for all types of agriculture category under special preferential rate of 480 riels per kWh for the use of electricity during night time from 9:00 p.m. to 7:00 a.m. in licensee's supply area during 2022 .....	46
Table 15	Provincewise total number of villages (census) and number of villages where Prepaid TOU Meter have been installed under licensee's supply area in 2022 .....	47
Table 16	Provincewise total number of villages (census) and number of villages where Prepaid TOU Meter have been installed under licensee's supply area in 2022 .....	48

## **Chapter 1**

### **Policies and Development Strategies of Electrical Energy Sector and Policies Concerning Rural Development and Utilization of Renewable Energy**

#### **1.1 Policies of the Electrical Energy Sector of RGC of the Sixth Mandate of the National Assembly**

Electrical energy is a vital need for society and the economy. Electrical energy provides livelihoods to the people engaged in its generation and supply, and is also an essential product to drive development of various sectors of the nation. Therefore, developing the electrical energy sector is a crucial to powering economic growth, developing other sectors, including the rural sector and improving the living standards of Cambodia's citizens. During the sixth mandate of the National Assembly, **the Royal Government of Cambodia (RGC)** has the ambition to manage and strengthen the development of the electrical energy sector in order to “reach and achieve the supply of sufficient, sustainable, reliable, quality and affordable electricity for all categories of consumers throughout the Kingdom of Cambodia.”

In the sixth mandate of the National Assembly within the framework of the fourth stage of Rectangular Strategies regarding the development of electrical energy sector, the Royal Government prioritizes:

- Priority 1 - Continuing to reduce the electricity price for the consumers, expand coverage of the national electricity network system to cover the whole country, increase stability and quality of electricity supply (Rectangular Strategy 2 – Angle 1);
- Priority 2 - Continuing to expand the connectivity of electricity networks with low electricity price to workers, employees, students at rented accommodations (Rectangular Strategy 3 – Angle 1);
- Priority 3 - Continuing to strengthen the development of the rural areas to be vibrant by continuing to invest for the expansion of affordable, sustainable and quality electricity supply to rural areas (Rectangular Strategy 4 – Angle 1);
- Priority 4 - Continuing to motivate and increase the investment on sources of clean energy and renewable energy, especially solar energy, while reducing the production of energy from unclean sources in order to ensure long-term energy security (Rectangular Strategy 4 – Angle 4).

#### **1.2 Developmental Strategies of Electrical Energy Sector of RGC as stated in the Sixth Mandate of the National Assembly**

With the aim to “reach and achieve the supply of sufficient, sustainable, reliable, quality and affordable electrical energy for consumers of all types throughout the Kingdom of Cambodia,” the Ministry of Mines and Energy, an entity in charge of electricity sector of the Royal Government, has set out 9 points of strategies as follows:

1. Update the development of master plan of electricity sector in the Kingdom of Cambodia;
2. Continue the development of generation, transmission and distribution capacity of electricity to enable Cambodia to have sufficient electricity sources to meet the consumption demand, allow the supply of electricity from national networks to cover all parts of the country including rural areas, and allow distribution of electricity to cover every village countrywide. With the aim of reducing poverty, promoting the level of livelihood and boosting development of the economy of citizens in the rural

areas during the sixth mandate of the National Assembly, the Royal Government of Cambodia will continue to strengthen the development at the rural areas to be vibrant by continuing to invest on expansion of coverage of affordable, sustainable and quality electricity to the rural areas countrywide;

3. Strengthen the connectivity of electricity supply to premises that require electricity, especially those residences that are yet to have electricity for consumption, both in the urban and rural areas, in order to achieve the target of making electricity available to 90% of households by 2023;
4. Improve the provision of electricity supply services with the aim of enabling sufficient, round the clock, quality, safe, reliable, affordable electricity supply and having proper metering in both urban and rural areas;
5. Prepare and implement the plan to reduce electricity prices as well as study the possibility of reducing electricity prices further, aiming to facilitate the citizen's livelihoods and promote investment in Cambodia;
6. Consolidate the mechanisms of the institutions to enable articulate and effective functioning of communications, roles, responsibilities, duties, hierarchies and independence amongst institutions and units in energy sector;
7. Attract the private sectors to join in the investment with Electricite du Cambodge so that there are sufficient investments in the electricity businesses but maintaining the management of Electricite du Cambodge over national networks which are core to the entire business;
8. Use Rural Electrification Fund in cross-subsidy, reduction of price discrepancy and transfer of capital to help the development of remote rural areas in order to ensure equity in the access to electricity services between urban and rural areas;
9. Reduce the impact on natural and societal environment to a minimum by promoting the use of clean and sustainable energy sources to an extent that does not induce significant effect and join in the cooperation of the energy sector in regional and internal frameworks.

## Chapter 2

### Information on Rural Electrification Fund

#### 2.1 Establishment of REF

REF was first established by the Royal Decree No. NS/RKT/1204/048 on 4<sup>th</sup> December 2004 to accelerate the development of rural electrification. In the initial year, REF utilized the funds provided by the World Bank under the Rural Electrification and Transmission Project (RETP) and RGC's counterpart fund. After RETP was closed on 31<sup>st</sup> January 2012 and funds were not made available to meet the operation expenses of REF. On 22<sup>nd</sup> August 2012, a new Royal Decree No. NS/RKT/0812/734 amended some articles of the old Royal Decree on formation of REF, to integrate REF with Electricité du Cambodge (EDC) so that REF can continue to perform its work independently with Cambodian funding, grant and donations from external funding to assist in development of rural electrification in Cambodia. In accordance with this new Royal Decree, EDC has established a new department<sup>1</sup> known as **“Department of Rural Electrification Fund (REF)”**.

This represents a significant initiative by the RGC to motivate and attract private sector investment in rural electrical infrastructure. The aim is to expedite the development of electricity in these areas, enabling greater numbers of rural poor to access electricity for various purposes, including lighting, commercial activities, and handicrafts. This access is expected to enhance their standard of living and contribute to the broader societal good.

#### 2.2 Organization Structure

REF operates in accordance with the Statute of EDC and functions as a non-profit organization and has a separate account.

#### 2.3 Library

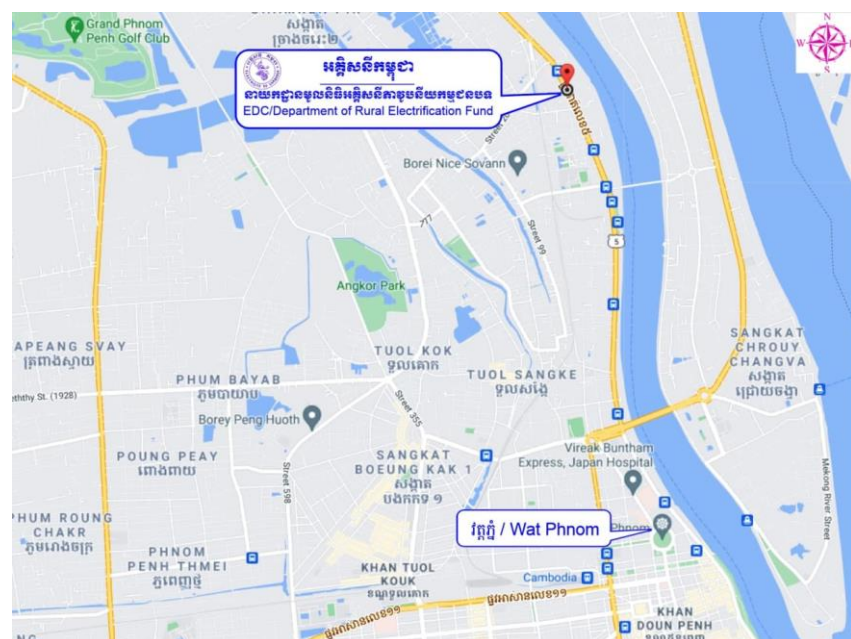
REF also maintains a library for the public, providing resources to understand REF's activities, reports, and the development of rural electrification in the Kingdom of Cambodia.



<sup>1</sup> Decision No. 0898 dated September 12, 2012 on the integration of REF institution in the management structure and organization of EDC.

## 2.4 Address

REF's office is located at Building # 205, National Road No. 5, Sangkat Kilometer No. 6, Khan Russeykeo, Phnom Penh, Cambodia. REF's website is [www.ref.gov.kh](http://www.ref.gov.kh).



## **2.5 The Sources of Fund**

The sources of funding for REF<sup>2</sup> are as follows:

1. Social budget package included in the electricity tariff of EDC and other donations of EDC, if any.
2. Donations and grants approved by Ministry of Mines and Energy (MME) and the Ministry of Economy and Finance (MEF).
3. Other sources from RGC.

## **2.6 REF's Funding and the Use of Fund**

During 2022, REF received funds of KHR 480.72 billion from EDC for extending the benefits of electrification to the population in rural areas. The fund provided by EDC is also for the operation of REF.

REF used the fund for the implementation of the following programs:

1. Program for Power to the Poor (P2P),
2. Program for Solar Home System (SHS),
3. Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas,
4. Program for providing subsidy, under the framework of Strategic Planning for Reducing the Rate and Gap of the tariff for sale of the electricity in the Kingdom of Cambodia for the year 2015 to 2022 in provinces and cities, to the licensees connected to the grid system for reduction of tariff for sale of electricity in rural areas,
5. Program for Applying the Special Preferential Rate of 480 riels per kWh for Electricity Consumption during night time from 9:00 p.m. to 7:00 a.m. for all Types of Consumers in Agricultural Sector for the Power Supply Sourced from the National Grid,
6. Solar Mini-grid Power Supply Project.

---

<sup>2</sup> Royal Decree No. NS/RKT/0812/734 dated August 22, 2012 on amendment of Article 2, Article 5, and Article 7 of the Royal Decree No. NS/RKT/1204/048 dated December 4, 2004 on the Establishment of REF, and Article 4 new of the Royal Decree No. NS/RKT/0108/064 dated January 28, 2008 on Revision of Article 4 of the Royal Decree No. NS/RKT/1204/048 dated December 4, 2004 on the Establishment of REF.





### **Chapter 3**

#### **Information on Objectives, Mission and Program for Transferring the Real Benefits to the Rural Population of REF**

### **3.1 Objectives**

The objectives of REF are as follows<sup>3</sup>:

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

### **3.2 Missions**

REF has the following missions:

1. Promoting equitable rural electrification coverage by facilitating the population's access to electricity at affordable prices for economic, social and household uses.
2. Providing support for the preparation and implementation of rural electrification projects.
3. Promoting and facilitating access to grid electricity for poor households in rural areas by providing interest-free loans, subsidies, and electrical materials as grants, enabling them to connect their homes to the electricity supply.
4. Promoting and facilitating access to electricity for remote rural households, which may not have network access for a long period, through Solar Home Systems.
5. Promoting and facilitating private electricity suppliers in rural areas with legal licenses to access funds for investing in the expansion of electricity supply infrastructure, to fully cover their authorized distribution areas, allowing all rural households to have access to electricity.
6. Providing subsidies, under the framework of Strategic Planning for Reducing the Rate and Gap of the tariff for the sale of the electricity in the Kingdom of Cambodia from 2015 to 2022 in provinces and cities, to licensees connected to the grid system for reducing tariffs for the sale of electricity in rural areas.
7. Promoting and facilitating all types of consumers in the agricultural sector by providing a special preferential rate of 480 riel per kWh electricity used during night time from 9:00 p.m. to 7:00 a.m. sourced from the national grid and normal rate per kWh for use of electricity for all types of consumers in agricultural sector during day time from 7:00 a.m. to 9:00 p.m.
8. Promoting the use of well-proven, technically and commercially viable new and renewable energy technologies.

REF will use its resources to achieve the above missions depending on the conditions for which funds are made available by different sources.

---

<sup>3</sup> Provision 3 of the Royal Decree No. NS/RKT/1204/048 dated 4 December 2004 on the establishment of REF.

### **3.3 Program for Transferring the Real Benefits to the Rural Population**

In 2022, REF implemented the following programs:

#### **3.3.1 Program for Power to the Poor (P2P)**

The purpose of this program is to facilitate the poor households in rural areas to have access to electricity from the grid. It achieves this through three key approaches: (i) - Providing a subsidy of \$100 per ID-Poor Households, (ii) - Providing a subsidy of USD 50 per household, and (iii) - Providing donated electrical equipment to households, to connect electricity to the house.

#### **3.3.2 Program for Solar Home System (SHS)**

This program targets remote rural households that may not have access to the electricity network for an extended period, providing them with SHS as grants.

#### **3.3.3 Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas**

The purpose of this program is to facilitate private electricity suppliers in rural areas with legal licenses to access funds for investing in the expansion of electricity supply infrastructure, ensuring full coverage of their authorized distribution areas and allowing all rural households in the these areas to have access electricity.

#### **3.3.4 Program for providing subsidy, under the framework of Strategic Planning for Reducing the Rate and Gap of the tariff for sale of the electricity in the Kingdom of Cambodia for the years 2015 to 2022 in provinces and cities, to the licensees connected to the grid system for reduction of tariff for sale of electricity in rural areas**

The purpose of this program is to provide a subsidy to the licensees connected to the grid system for reduction of tariff for sale of electricity in rural areas under the framework of Strategic planning for reduction of the tariff for sale of the electricity in the Kingdom of Cambodia during the years 2015 to 2022 in provinces and cities.

#### **3.3.5 Program for Applying the Special Preferential Rate of 480 riels per kWh for Electricity Consumption during night time from 9:00 p.m. to 7:00 a.m. for All Types of Consumers in Agricultural Sector for the Power Supply Sourced from the National Grid**

The purpose of this program is to facilitate all types of consumers in the agricultural sector by providing the special preferential rate of 480 riel per kWh for electricity during night time from 9:00 p.m. to 7:00 a.m. for electricity sourced from the national grid and the normal rate per kWh for use of electricity for all types of consumers in agricultural sector during day time from 7:00 a.m. to 9:00 p.m.

#### **3.3.6 Solar Mini-grid Power Supply Project**

During 2022, SchneiTec & Chint Group supplied materials and constructed a solar mini-grid power supply project with the capacity of 162kW as a grant to EDC. The project was fully completed and handed over at the inauguration ceremony on July 18, 2022. After that, EDC handed over the project to Akisany KPLE Co., Ltd with license No. 421L for providing electric power service in Kampong

Leng District, Kampong Chhnang Province to operate and to manage the project. The project provided electricity supply to 173 households in Koh Russey village, Prolay Meas commune, Kampong Leng district, Kampong Chhnang province.

### **3.4 Criterion for Implementation of Each Program**

#### **3.4.1 Criterion for Power to the Poor (P2P) Program**

##### **3.4.1.1 Criteria for P2P Program by Providing Subsidy of \$100 per ID Poor Household**

Criterion for Rural Electricity Enterprises (REEs) and rural HH are as follows:

##### **A. Criterion for REEs**

Criterion for REEs are as follows:

- Have a license for providing electric power from Electricity Authority of Cambodia (EAC).
- Project is implemented in rural areas with grid supply in provinces.
- Agree to provide connection only for 5A or 10A to the beneficiary.
- Agree to provide and install in-house wiring as follows:
  - 1 distribution board + DIN rail or wooden board.
  - Miniature Circuit Breaker (MCB): double pole rated at 10A.
  - 1 outlet socket: rated 10A.
  - 2 lamp/ sockets.
  - 2 switches.
  - 2 Energy efficient light bulbs (LED): min 5W, min 70 lumen per Watt
  - 20 metres of PVC copper cable 2x1.5mm<sup>2</sup>: 110 °C
  - Cable clips.
- Agree to provide and install service line as follows:
  - Provide and install PVC copper cable 2x2.5 mm<sup>2</sup> or PVC aluminium cable 2x25 mm<sup>2</sup> (below 100 meters aluminium cable is 2x10 mm<sup>2</sup> accepted).
  - Install wooden poles of minimum 4-5 metres height supplied by the beneficiary, and separated at a maximum length of 20-30 metres. Poles will be firmly founded in the ground.
- Ensure that all materials provided and installed are new. The used materials will not be eligible to receive the subsidy for the connections.
- Agree to execute contract: (i)- two parties contract (REF and REE) for Subsidized Connections to Grid Electricity Supply for ID Poor Households under Output Based Aid Electricity Access Program; (ii) - three parties contract (REF, REE and Eligible beneficiary) for Subsidized Connections to Grid Electricity Supply for ID Poor Households under Output Based Aid Electricity Access Program, and (iii)- Related documents required by REF.

## **B. Criterion for ID Poor Household (Eligible beneficiary)**

Criterion for ID Poor Household (HH) are as follows:

- ID Poor Household based on the Identification of Poor Households identified by the Ministry of Planning.
- HH not yet connected to the supply system.
- Living in the existing electrified rural areas.
- Households requiring service wires within a length of 150m from the connection point (meter on the pole) to its house.
- Have a stable house for safety of electrification.
- Agree to pay connection fee and deposit for 5A or for 10A only.
- Agree to provide wooden poles of minimum 4-5 metres height erected, and separated at a maximum length of 20-30 metres.
- Agree to execute three parties contract (REF, REE and Eligible beneficiary) for Subsidized Connections to Grid Electricity Supply for ID Poor Households under Output Based Aid Electricity Access Program, and Related documents required by REF.

### **3.4.1.2 Criteria for P2P Program by Providing Subsidy of \$50 per Household**

Criterion for implementing the program is as follows:

#### **A. Criterion for REEs**

Criterion for REEs are as follows:

- Have a license for providing electric power from EAC.
- Project is implemented in rural areas with grid supply in provinces.
- Agree to provide connection only for 5A or 10A to the beneficiary.
- Agree to provide and install in-house wiring as follows:
  - 1 distribution board + DIN rail or wooden board.
  - Miniature Circuit Breaker (MCB): double pole rated at 10A.
  - 1 outlet socket: rated 10A.
  - 2 lamp/ sockets.
  - 2 switches.
  - 2 Energy efficient light bulbs (LED): min 5W, min 70 lumen per Watt
  - 20 metres of PVC copper cable 2x1.5mm<sup>2</sup>: 110 °C
  - Cable clips.
- Agree to provide and install service line as follows:
  - Provide and install PVC copper cable 2x2.5 mm<sup>2</sup> or PVC aluminium cable 2x25 mm<sup>2</sup> (below 100 meters aluminium cable is 2x10 mm<sup>2</sup> accepted).
  - Install wooden poles of minimum 4-5 metres height supplied by the beneficiary, and separated at a maximum length of 20-30 metres. Poles will be firmly founded in the ground.
- Guarantee that all materials provided and installed are new. The used materials will not be eligible to receive the subsidy for the connections.

- Agree to execute contract: (i)- two parties contract (REF and REE) for Subsidized Connections to Grid Electricity Supply for Poor Households; (ii) - three parties contract (REF, REE and Eligible beneficiary) for Subsidized Connections to Grid Electricity Supply for Poor Households, and (iii)- Related documents required by REF.

## **B. Criterion for Poor Household (Eligible beneficiary)**

Criterion for Poor Household (HH) are as follows:

- HH not yet connected to the supply system.
- Living in the existing electrified rural areas.
- Households requiring service wires within a length of 150m from the connection point (meter on the pole) to its house.
- Have a stable house for safety of electrification.
- Agree to pay connection fee and deposit for 5A or for 10A only.
- Agree to provide wooden poles of minimum 4-5 metres height erected, and separated at a maximum length of 20-30 metres.
- Agree to execute three parties contract (REF, REE and Eligible beneficiary) for Subsidized Connections to Grid Electricity Supply, and Related documents required by REF.

### **3.4.1.3 Criteria for P2P Program by Providing Electrical Materials per household as Grant**

The purpose of the program is to enable poor households in rural areas to have electricity from the power supply system of an electricity supplier, and where the REF donates electrical materials for the house wiring and electricity service line from the meter box to the house. The beneficiary is responsible for paying (i) the amount of money for the connection fee and deposit fee for use of electricity.

Criterion for implementing the program is as follows:

## **A. Criterion for REEs**

Criterion for REEs are as follows:

- Have a license from EAC for providing electric power.
- Area of supply in rural areas have a power supply from the national grid.
- Agree to install in-house wiring as follows:
  - 15 metres of PVC copper cable 2x1.5mm<sup>2</sup>.
  - 1 Main Circuit Breaker (MCB), 2 poles, 10A include Circuit Breaker, Box.
  - 3 Switches and outlet sockets, 10A.
  - 3 Bulbs Butt.
  - 3 Energy efficient light bulbs (LED): min 11W.
- Agree to install service line of size 2x16 mm<sup>2</sup> with the length of 80m or longer or shorter as requirement from the connection point (meter on the pole) to the beneficiary's house as agreed by licensee and beneficiary.

- Ensure that all electrical materials for the connection is as provided by the REF.
- Agree to execute contract between REF and REE to install electrical materials provided by REF and to connect electricity to home of, beneficiaries .

#### **B. Criterion for Poor Household (Eligible beneficiary)**

Criterion for Poor Household (HH) are as follows:

- HH not yet connected to the supply system.
- Living in the existing electrified rural areas.
- Have a stable house for safety of electrification.
- Agree to provide wooden poles of minimum 4-5 metres height erected with a span of maximum length of 20-30 metres.
- Agree to sign or thumbprint the document to confirm the receipt of electrical materials listed therein for electricity connection under the Power to the Poor Program.

#### **3.4.2 Criterion for Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas**

The criterion for implementation of this program is formulated for three different types of area considering the density of population as follows:

##### **Area No. 1: Densely populated area with high economic efficiency**

REF will provide the guarantee on loans borrowed by the licensee in rural areas from the local banks for investment on development of electricity infrastructure in rural areas to fully cover its authorized distribution area.

Criterion for area No. 1 is as follows:

1. The licensee shall have valid license for providing electricity service issued by EAC and the term of the license shall be for at least 5 years from the date of application for loan.
2. The licensee shall have proper accounting record of its electricity business.
3. The loan from a bank, also known as “bank loan”, will be only for investment in electricity supply infrastructure in rural areas within its authorized licensed area and getting supply from the national grid.
4. To ensure that the licensee repays the loan amount and the interest on the loan to the bank, for which REF has provided a guarantee, the licensee must sign and fingerprint, and provide it to REF in advance. This agreement states that in case of non-payment of the loan and/or interest, their license, along with the property contained within it, will be transferred to a new licensee or EDC as decided by REF. This provision allows REF to take action if the licensee fails to repay the bank loan, including the interest.
5. The licensee shall obtain no-objection from EAC on the conditions of transfer of license to EDC in case the borrower fails to pay back on time as agreed with the bank, in the guarantee contract for loan which the licensee shall execute with EDC.

**Area No. 2: Area with medium density of population, where doing electricity business may not be profitable if the licensee has to pay interest on the investment capital**

For Area No. 2, which is a medium density electricity consumption area, the electricity supply business may not be profitable if the licensee has to pay interest on the investment capital. REF can provide interest-free loans to licensees who are supplying electricity in this area No. 2 to invest in the development of electricity supply infrastructure in their authorized license area. This provision to provide REF's fund has 2 goals: (i)- to promote the expansion and improvement of medium and/or low voltage electric power supply in rural areas and (ii)- to encourage the production of local electrical equipment and appliances.

Criterion for area No. 2 is as follows:

1. The licensee shall have valid license for providing electricity service issued by EAC and the term of the license shall be for at least 5 years from the date of application for loan.
2. The licensee shall have proper accounting record of its electricity business.
3. This interest free loan is for investment on construction of electricity infrastructure in rural areas connected from the grid only.
4. The licensee can use this interest free loan for investment on MV and LV electricity supply infrastructure in its authorized licensed area, both for the development of new electricity infrastructure and for improving the existing electricity infrastructure.
5. The licensee applies for interest free loans from REF with (i) - a detailed of the project development plan, (ii) - an estimated cost of electricity materials for the project development, (iii) - the copies of the license with all revisions, (iv) - an accounting record of its electricity business, costing of existing infrastructures, (v) - the letter address to EAC seeking no-objection of EAC to transfer the licensed business to EDC in case of failure to repay the installment as provided in the contract between REF and licensee, and (vi) - any other documents required by REF to examine the proposal.
6. REF examines the application and checks the total cost of the proposed project based on the rate of each infrastructure in the project submitted by the applicant. In case REF finds that the cost of any infrastructure in the proposed project exceeds the rate used by the EAC for the calculation of costs in the year requested, REF can adjust and reduce the total cost of the project. After determining the total cost of the project, REF will approve the amount of interest-free loan that REF can provide to the applicants and sign a contract for payment and repayment in consultation with EAC. The amount of interest free loan shall not exceed \$300,000 (three hundred thousand) per project. The licensee is required to contribute at least 20% of the project cost. REF shall obtain no-objection from EAC on the conditions of transfer of license to EDC in case the borrower fails to pay back on time as agreed with REF, in the contract for interest free loan.
7. The licensee shall apply to REF for disbursement of interest free loan along with progress report. REF verifies the progress and makes disbursements in installment depending on the work progress. REF will acknowledge the repayment of the full amount of the interest free loan when the full amount of interest free loan is repaid back in installment by the licensee.
8. The amount of the interest free loan will not exceed \$300,000 per project. The licensee may request for other new project for consideration of REF when required.
9. The repayment period shall not exceed 8 years or the validity of license on the date of application for assistance whichever is earlier.



10. In the case of loans for the development of new electricity infrastructure and the improvement of existing electricity infrastructure, the medium voltage infrastructure must be checked and agreed by the Department of Project Implementation and Planning of EDC to avoid any overlapping of the development plan of EDC
11. As the budget of REF, which provides an interest free loan to the licensees from the fund, aims to promote the expansion and improvement of electricity supply in rural areas and encourages the local electricity and equipment industry, therefore, applicants for this interest free loan must help by using, as much as possible, locally produced electrical equipment, to support Cambodia's local electrical equipment industry. For materials and equipment that are required in the supply of electricity, the applicant is obliged to use electrical materials and equipment from the local factory recognized by EDC. This obligation holds unless the quality of the electrical materials and equipment recognized and recommended is lower than the standard in force in Cambodia and/or the selling price of the electrical materials and equipment that EDC has recognized and instruct the licensee to use more than the cost set by the EAC in calculating the actual service cost of the licensee in the year in which the project is to be implemented. If the licensee fails to use the electrical materials and equipment from the electrical materials and equipment factory which EDC has declared and recommended to use the above, REF has the right not to provide an interest free loan equal to the cost of materials and equipment that the licensee should have used as stated above. If there is a disagreement between the REF and the applicant regarding the quality and price of the electrical materials and equipment which EDC has recognized and recommend for use to the licensee, the decision of the EAC as an arbitrator shall be final.
12. In the case of existing licensee, the amount of the interest free loan will not exceed 75% of the cost of the existing electricity infrastructure of the licensee as assessed by EAC. In the case of new licensee, the amount of the interest free loan will not exceed 75% of the cost of the proposed electricity infrastructure of the licensee as assessed by EAC.
13. The licensee shall agree to execute the contract and other legal documents with REF.
14. Source of funds is from EDC and KfW.

**Area No. 3: Area with low density of population, where doing electricity business is not viable unless part of the infrastructure cost is provided as grant**

For Area No. 3, which is a low density electricity consumption area, the electricity supply business may not be profitable, unless there is a partial subsidy on electricity infrastructure investment. REF can provide interest free loans plus subsidies (grants) to licensees who are supplying electricity in this area No. 3 to invest in the development of electricity supply infrastructure in their authorized license area. The provision of REF's fund as stated above has 2 goals: (i)- to promote the expansion and improvement of medium and/or low voltage electric power supplies in rural areas and (ii)- to encourage the production of local electrical equipment and appliances.

Criterion for area No. 3 is as follows:

1. The licensee shall have a valid license for providing electricity service issued by EAC and the term of the license shall be for at least 5 years from the date of application for loan.
2. The licensee shall have proper accounting record of its electricity business.
3. This interest free loan plus subsidies (grants) is for investment on construction of electricity infrastructure in rural areas connected from the grid only and which is evaluated by REF as area eligible for grant.

4. The licensee can use this interest free loan plus subsidies (grants) for investment on MV and LV electricity supply infrastructure in its authorized licensed area, both for the development of new electricity infrastructure and for improving the existing electricity infrastructure.
5. The licensee applies for interest free loan plus subsidies (grants) from REF with (i) - a detailed of the project development plan, (ii) - an estimated cost of electricity materials for the project development, (iii) - the copies of the license with all revisions, (iv) - an accounting record of its electricity business, costing of existing infrastructures, (v) - the letter address to EAC seeking no-objection of EAC to transfer the licensed business to EDC in case of failure to repay the installment as provided in the contract between REF and licensee, and (vi) - any other documents required by REF to examine the proposal.
6. REF examines the application and checks the total cost of the proposed project based on the rate of each infrastructure in the project submitted by the applicant. In case REF finds that the cost of any infrastructure in the proposed project exceeds the rate used by the EAC for the calculation of costs in the year requested, REF can adjust and reduce the total cost of the project. After determining the total cost of the project, REF will approve the amount of interest-free loan that REF can provide to the applicants and sign a contract for payment and repayment in consultation with EAC. The amount of interest free loan shall not exceed \$300,000 (three hundred thousand) per project. The licensee is required to contribute at least 20% of the project cost. REF shall obtain no-objection from EAC on the conditions of transfer of license to EDC in case the borrower fails to pay back on time as agreed with REF, in the contract for interest free loan plus subsidies (grants).
7. The licensee shall apply to REF for disbursement of interest free loan plus subsidies (grants) along with progress report. REF verifies the work progress and makes disbursements in installment depending on the work progress. REF will acknowledge the repayment of the full amount of the interest free loan plus subsidies (grants) when the full amount of interest free loan is repaid back by the licensee. The amount, provided as grant in this budget assistance by REF, is not required to be paid back.
8. The amount of the interest free loan will not exceed \$300,000 per project. The licensee may request for other new project for consideration of REF when required.
9. The repayment period shall not exceed 8 years or the validity of license on the date of application for assistance whichever is earlier.
10. In the case of loans for the development of new electricity infrastructure and the improvement of existing electricity infrastructure, the medium voltage must be confirmed by the Department of Project Implementation and Planning of EDC to avoid overlapping the development plan of EDC.
11. As the budget of REF, which provides an interest free loan plus subsidies (grants) to the licensees from the fund, aims to promote the expansion and improvement of electricity supply in rural areas and encourages the local electricity and equipment industry, therefore, applicants for this interest free loan must help by using, as much as possible, locally produced electrical equipment, to support Cambodia's local electrical equipment industry. For materials and equipment that are required in the supply of electricity, the applicant is obliged to use electrical materials and equipment from the local factory recognized by EDC. This obligation holds unless the quality of the electrical materials and equipment that EDC declares to be recognized and recommended to be used by the licensees is lower than the standard in force in Cambodia and/or the selling price of the electrical materials and equipment that EDC has recognized and instruct the licensee to use more than the cost set by the EAC in calculating the actual service cost of the licensee in the year in which the project is to be implemented. If the licensee fails to use the electrical materials and equipment from

the electrical materials and equipment factory which EDC has declared and recommended to use the above, REF has the right not to provide an interest free loan equal to the cost of materials and equipment that the licensee should have used as stated above. If there is a disagreement between the REF and the applicant regarding the quality and price of the electrical materials and equipment which EDC has recognized and recommend for use to the licensee, the decision of the EAC as an arbitrator shall be final.

12. In the case of existing licensee, the amount of the grant will not exceed 30% of the cost of the project and the amount of the interest free assistance will not exceed 75% of the cost of the existing electricity infrastructure of the licensee as assessed by EAC. In the case of new licensee, the amount of the grant will not exceed 30% of the price of the project and the amount of the interest free assistance will not exceed 75% of the cost of the proposed electricity infrastructure of the licensee as assessed by EAC.
13. The licensee shall agree to execute the contract and other legal documents with REF.
14. Source of funds is from EDC and KfW.

**3.4.3 Criterion for program for providing subsidy, under the framework of Strategic Planning for Reducing the Rate and Gap of the tariff for sale of the electricity in the Kingdom of Cambodia for the years 2015 to 2022 in provinces and cities, to the licensees connected to the grid system for reduction of tariff for sale of electricity in rural areas**

The program is applicable for grid supply only and the criterion is as per decision of EAC<sup>4</sup> from time to time.

**3.4.4 Criterion for Program for applying the special preferential rate of 480 riels per kWh for electricity consumption during night time from 9:00 p.m. to 7:00 a.m. for all types of consumers in agricultural sector in the power supply area sourced from the national grid**

The program is applicable for all types of consumers in agricultural sector in the power supply area sourced from the national grid only. This criterion is as per instruction of the EAC on the principles and procedures of applying the special preferential rate of 480 Riels per kWh for night use from 9:00 p.m. to 7:00 a.m. for all types of users in agricultural sector in the area of electricity supply sourced from the national grid<sup>5</sup> and the principles of EDC/REF on basic documents for the provision of a special preference tariff of 480 Riels per kWh for agricultural customers for the energy used from 9:00 p.m. to 7:00 a.m.<sup>6</sup>.

---

<sup>4</sup> Decesion between EDC and EAC No. 011.16EAC dated February 26, 2016) on the determination of Procedure for Providing Subsidy for Reduction in Rate and Gap of the Tariff for sale of the electricity.

<sup>5</sup> instruction of the EAC no. 130/22EAC dated November 30, 2022 on the principles and procedures of applying the special preferential rate of 480 Riels per kWh for night use from 9:00 p.m. to 7:00 a.m. for all types of users in agricultural sector in the area of electricity supply sourced from the national grid.

<sup>6</sup> Principles of EDC/REF no. 0535/23REF dated February 22, 2023 on basic documents for the provision of a special preference tariff of 480 Riels per kWh for agricultural customers for the energy used from 9:00 p.m. to 7:00 a.m.

## Chapter 4

### Information on the Progress, Achievements and Analysis of Each Program Implemented by REF

Information on the progress, achievements and analysis of each program implemented by REF in 2022 are as follow:

#### 4.1 Program for Power to the Poor (P2P)

##### 4.1.1 P2P Program by providing subsidy of \$100 per ID Poor Household

##### 4.1.1.1 Progress, Achievement and Analysis of Program

The two remaining contracts signed in 2021 with two licensees, for providing new connections in rural areas under the P2P program by providing subsidy of \$100 per ID poor household have been continued during 2022 for execution. Funded by EDC, these contracts targeted 301 rural households. In 2022, all 301 rural households were connected, and the P2P program with the \$100 subsidy per ID poor household was closed.

A summary of these connections and their current status is provided in **Annex 1**.

**Table 1: Provincewise information on the number of rural households connected to supply system in each province under P2P program by providing subsidy of \$100 per ID Poor household, funded by EDC, in 2022**

No.	Province	Contracted target number of rural HH to be connected to supply system, (HH)	Number of rural HH connected to supply system, (HH)
1	Pursat	-	51
2	Takeo	-	250
<b>Total</b>		-	<b>301</b>

In 2022, 301 rural households directly benefited from this program. According to Cambodia Inter-Censal Population Survey 2013 Final Report, the average household size in rural area is 4.6 persons. Therefore, the population directly benefiting from this program is 1,384 people.

This P2P Program, providing a \$100 subsidy per ID poor household, has given the much-needed boost to rural households in obtaining electricity.

A detailed breakdown of villages is given in **Annex 2** and a map showing the provinces where the P2P program was implemented in 2022 can be found in **Annex 3**.

**Table 2: Provincewise total number of villages and villages, in which P2P program providing subsidy of \$100 per ID poor household, funded by EDC, was implemented in 2022**

No.	Province	Total number of villages (Census)	Number of villages in which program was implemented
1	Kampot	480	6

2	Pursat	510	14
3	Takeo	1,119	41
<b>Total</b>		<b>2,117</b>	<b>61</b>

#### 4.1.1.2 Site Inspection Activities on Implementation of P2P Program by providing subsidy of \$100 per ID Poor Household, funded by EDC

To ensure that the implementation of this program is implemented in a transparent and proper manner, REF staff verified the new connection to rural consumers under this program for all licensees. Pictures of some physical activities of new connection verification by REF to decide on the application of the P2P program by providing subsidy of \$100 per ID Poor Household by the licensees are shown below.

##### Electricity Angroka Enterprise (Project 2) having license No. 197L for Providing Electricity Service at Tram Kak District, Takeo province and Chum Kiri district, Kampot province



## **4.1.2 P2P Program by Providing Subsidy of \$50 per Household**

### **4.1.2.1 Progress, Achievement and Analysis of Program**

The two remaining contracts signed in 2021 with two licensees, for providing new connections in rural areas under P2P program by providing subsidy of \$50 per household have been continued during 2022. These contracts are funded by EDC. The total target number of connections under these contracts are 334 rural households and the achievement in 2022 is 334 rural households and the P2P program by providing subsidy of \$50 per household was closed in 2022.

Provincewise summary information on the number of rural household connected to supply system and present position under P2P program by providing subsidy of \$50 per household in 2022 is given in **Annex 4**.

**Table 3: Provincewise information on the number of rural households connected to supply in each province under P2P program by providing subsidy of \$50 per household, funded by EDC, in 2022**

<b>No.</b>	<b>Province</b>	<b>Contracted target number of rural HH to be connected to supply system, (HH)</b>	<b>Number of rural HH connected to supply system, (HH)</b>
1	Pursat	-	84
2	Takeo	-	250
<b>Total</b>		-	<b>334</b>

In 2022, 334 rural households directly benefitted from this program. Based on the Cambodia Inter-Censal Population Survey 2013 Final Report, the average household size in rural area is 4.6 persons. Therefore, the population directly benefitting from this program is 1,536 people.

This P2P Program providing subsidy of \$50 per household has provided the much needed impetus to rural household in accessing electricity in rural households.

A list of villages covered by the P2P program is provided in **Annex 5** and a map showing the provinces where the P2P program was implemented in 2022 can be found in **Annex 6**.

**Table 4: Provincewise total number of villages and villages, in which P2P program by providing subsidy of \$50 per household, funded by EDC, was implemented in 2022**

<b>No.</b>	<b>Province</b>	<b>Total number of villages (Census)</b>	<b>Number of villages in which program was implemented</b>
1	Kampot	480	6
2	Pursat	510	2
3	Takeo	1,119	39
<b>Total</b>		<b>2,117</b>	<b>47</b>

### **4.1.2.2 Site Inspection Activities on Implementation of P2P Program by providing subsidy of \$50 per household, funded by EDC**

To ensure that the implementation of this program is implemented in a transparent and proper manner, REF staff verified the new connection to rural consumers under this program for all



licensees who implemented this program. Pictures of some physical activities of new connection verification by REF to decide on the application of the P2P program by providing subsidy of \$50 per household by the licensees are shown below.

**Mr. Lim Pak having license No. 331L for Providing Electricity Service at Some parts of Phnom Kravanh District and Krong Pursat, Pursat Province**



### **4.1.3 P2P Program by Providing Electrical Materials per Household as Grant**

#### **4.1.3.1 Progress, Achievement and Analysis of Program**

In 2022, REF executed 17 contracts for providing electrical materials as donations to rural households (HH) to electrify the rural household's house with 12 licensees (5 licensees have executed 2 contracts). Out of these, 14 contracts with 10 licensees with a total target number of 3,051 HH connections funded by EDC and 3 contracts with 3 licensees with the total target number of 356 HH connections funded by KfW. Out of 13 licensees, 1 licensee has executed 2 contracts, out of which 1 contract is funded by EDC and other 1 contract is funded by KfW. The total target number of connections under these 17 contracts is 3,407 HHs and the achievement during 2022 is 1,875 HHs.

In **Annex 7**, province-wise data details licensees' contracts funded by EDC and KfW, with REF for donating electrical materials to connect rural households to electricity under the P2P program in 2022, while **Annex 8** summarises the contracted and connected rural households funded by EDC and KfW in 2022.

Out of the 17 contracts, 100% target was achieved within the contract period for 11 contracts, whereas 6 contracts have been continued to be implemented in 2023.



**Table 5: Provincewise Information contracted target number of rural households to be connected, number of rural households connected to supply system in each province, funded by EDC and KfW, under P2P program by Providing Electrical Materials per Household as Donation in 2022**

No.	Province	Contracted target number of rural HH to be connected to supply system, (HH)	Number of rural HH connected to supply system, (HH)
<b>I. Funded by Electricité du Cambodge (EDC)</b>			
1	Kampong Chhnang	139	139
2	Kampong Thom	864	429
3	Kratie	174	174
4	Pursat	1,027	727
5	Rattanakiri	127	-
6	Siem Reap	220	-
7	Takeo	500	200
	<b>Total I</b>	<b>3,051</b>	<b>1,669</b>
<b>II. Funded by Kreditanstalt für Wiederaufbau (KfW)</b>			
1	Kampong Thom	250	100
2	Siem Reap	106	106
	<b>Total</b>	<b>356</b>	<b>206</b>
	<b>Total I+II</b>	<b>3,407</b>	<b>1,875</b>

In 2022, 1,875 rural households directly benefitted from this program. According to Cambodia Inter-Censal Population Survey 2013 Final Report, the average household size in rural area is 4.6 persons. Therefore, the population directly benefitting from this program is 8,625 people.

The P2P Program, through the donation of electrical materials, has significantly boosted rural households' access to electricity.

**Annex 9** lists the villages covered under the P2P program, which provided electrical materials as donations to households in 2022 and **Annex 10** maps the provinces where this program was implemented.

**Table 6: Provincewise total number of villages and villages, in which P2P program by providing electrical materials per household as donation, funded by EDC and KfW, under P2P program by providing electrical materials per household as donation, was implemented in 2022**

No.	Province	Total number of villages (Census)	Number of villages covered	
			Funding by EDC	Funding by KfW
1	Kampong Chhnang	568	26	-
2	Kampong Thom	742	31	8
3	Kampot	488	7	-
4	Kratie	253	7	-
5	Pursat	510	23	-
6	Siem Reap	930	-	7
7	Takeo	1,119	17	-
	<b>Total</b>	<b>4,610</b>	<b>111</b>	<b>15</b>
<b>Grand Total</b>			<b>126</b>	

#### **4.1.3.2 Site Inspection Activities on Implementation of P2P program by providing electrical materials per household as donation, funded by EDC and KfW**

To ensure that the implementation of this program is implemented in a transparent and proper manner, REF staff verified the new connection to rural consumers for all licensees who implemented this program. Pictures of some physical activities of new connection verification by REF are shown below.

##### **Mr. Soeun Sophal having license No. 367 for Providing Electricity Service at Some part of Baray District, Kampong Thom Province**



#### **4.2 Program for Solar Home System (SHS)**

To implement SHS Program, REF uses two entities for providing the service for REF (i)- firm for supplying the SHS materials and (ii)- firm for providing services of transportation and installation of SHS. Progress, achievement and analysis of SHS Program in 2022 is as below.

- **Program for 346 SHS-500Wp with 4L Panasonic AC Rice Cooker and 1,312 SHS-50Wp under funding by KfW (Program for implementation in 2021)**

Two types of SHS, (i)- 346 SHS-500Wp with 4L Panasonic AC Rice Cooker and (ii)- 1,312 SHS-50Wp, funded by KfW, totaling 1,658 units was initially planned to be implemented in 2021, but due to delay in the procurement process, this program was carried out in 2022. These SHS are for donation to rural households. These SHS were handed over by the supplier to REF in 2022.

- **Program for 525 SHS-500Wp with 4L Panasonic AC Rice Cooker under funding by EDC (Program for implementation in 2022)**

In 2022, REF implemented the program for 525 SHS-500Wp with 4L Panasonic AC Rice Cooker under funding by EDC. These SHS are for donation to rural households and handed over by the supplier to REF in 2022.

- **Firms for providing services for transportation and installation of SHS-500Wp with 4L Panasonic AC Rice Cooker and SHS-50Wp**

To ensure that the SHS installed at rural households, operates well, EDC has executed a contract with a local firm for providing services of transportation and installation. In 2022, 615 SHS-500Wp with 4L Panasonic AC Rice Cooker, funded by EDC, were installed in rural households.

In 2022, 615 SHS-500Wp with 4L Panasonic AC Rice Cooker, funded by EDC, were installed in rural households.

As of 2022, EDC's warehouse had 2,612 SHS-500Wp units with 4L Panasonic AC Rice Cookers remaining from the previous SHS program. Additionally, there were 2,868 SHS-500Wp units with 4L Panasonic AC Rice Cookers and 1,312 SHS-50Wp units, totaling 4,180 units available for donation to rural households.

**Table 7: Provincewise information on 615 SHS-500Wp with 4L Panasonic AC Rice Cooker installed to rural households, funded by EDC, in 2022**

No.	Province	Number of SHS installed
1	Kampong Chhnang	6
2	Pursat	609
<b>Total</b>		<b>615</b>

615 rural HHs each received one SHS through this program. According to Cambodia Inter-Censal Population Survey 2013 Final Report, the average household size in rural area is 4.6 persons. Therefore, the program directly benefitted approximately 2,829 people.

**Table 8: Provincewise total number of villages and villages where the 615 SHS-500Wp with 4L Panasonic AC Rice Cooker, funded by EDC, were installed in 2022**

No.	Province	Total Number of Villages (Census)	Number of villages access electricity through SHS
1	Kampong Chhnang	568	1
2	Pursat	507	6
<b>Total</b>		<b>1,075</b>	<b>7</b>

**Annex 11** lists the villages where 615 SHS-500Wp units with 4L Panasonic AC Rice Cookers, funded by EDC, were installed in 2022. **Annex 12** maps the provinces where these units were installed.

#### **4.3 Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas**

##### **4.3.1 Progress, Achievement and Analysis of Program**

In 2022, REF executed 42 contracts to improve and develop electricity infrastructure in rural areas with 41 licensees (1 licensees executed 2 contracts). Of these, 27 contracts with 26 licensees were funded by EDC, and 15 contracts with 15 licensees were funded by KfW.

Out of the 42 contracts, 37 achieved 100% of their targets within the contract period, while the remaining 5 contracts are continuing implementaion in 2023.

**Table 9: Province wise information on contracted target length of network, constructed length of network, funded by EDC and KfW, under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas in 2022**

No.	Province/City	Contracted target length of network, (km)		Constructed length of network, (km)	
		Low Voltage (LV)	Medium Voltage (MV)	Low Voltage (LV)	Medium Voltage (MV)
A. Funded by Electricité du Cambodge (EDC)					
1	Banteay Meanchey	6.30	-	40.64	8.60
2	Battambang	43.85	27.80	59,17	52.13
3	Kampong Cham	12.30	5.30	12.30	5.30
4	Kampong Chhnang	48.50	28,60	48.50	28,60
5	Kampong Speu	16.40	31.80	39, 25	51.49
6	Kampong Thom	7.40	2.80	30.90	22,60
7	Kampot	10,17	3.40	10,17	3.40
8	Central	10,08	5.00	5.08	2.80
9	Church	3.90	-	35.52	3.50
10	Prey Veng	6.35	-	45.42	-
11	Pursat	52.00	13.00	30.00	13.00
12	Rattanakiri	3.93	0.28	1.98	0.26
13	Sihanoukville	2.72	-	2.72	-
14	Svay Rieng	12.73	16.09	9.80	15.60
15	Takeo	11.57	1.85	20.70	15.83
16	Tboung Khmun	21.70	3.40	40, 10	15.70
Total A		269.90	139.32	432.25	238.81
		409.22		671.06	
B. Funded by Kreditanstalt für Wiederaufbau (KfW)					
1	Banteay Meanchey	4.00	7.20	4.00	7.20
2	Battambang	0.50	3.60	0.50	3.60
3	Kampong Cham	11.05	3.40	11.05	3.40
4	Kampong Chhnang	41.57	39.26	45.92	45.26
5	Kampong Thom	10.50	17.70	27.35	17.70
6	Kampot	16.80	20,55	6.50	10.20
7	Koh Kong	13.80	15.00	13.80	15.00
8	Pursat	1.40	6.20	1.40	6.20
9	Rattanakiri	2.40	1.80	-	-
10	Siem Reap	16.50	30.50	22,50	42.50
Total B		118.52	145.21	133.02	151.06
		263.73		284.08	
Grand Total A+ B		388.42	284.53	565.27	389.97
		672.95		955.14	

In 2022, 84 licensees directly benefited from this program.

This program has provided the much needed impetus to REEs to expand electricity supply to cover fully and quickly in its authorized license areas so that more rural household can access grid quality electricity supply from the REEs.

**Table 10: Province wise total number of villages and number of villages electrified under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas, funded by EDC and KfW, in 2022**

No.	Province/city	Total number of villages (Census)	Number of villages access electricity	
			Funded by EDC	Funded by KfW
1	Banteay Meanchey	661	18	2
2	Battambang	805	44	8
3	Kampong Cham	916	21	5
4	Kampong Chhnang	568	29	27
5	Kampong Speu	1.362	38	-
6	Kampong Thom	742	24	18
7	Kampot	488	23	12
8	Kandal	918	7	-
9	Koh Kong	117	5	14
10	Kratie	253	15	-
11	Preah Vihear	232	14	-
12	Prey Veng	1.137	61	-
13	Pursat	510	20	2
14	Ratanak Kiri	243	4	-
15	Siem Reap	930	3	11
16	Preah Sihanouk	115	11	-
17	Svay Rieng	690	18	-
18	Takeo	1.119	53	-
19	Otdar Meanchey	260	-	1
20	Tboung Khmum	853	18	-
<b>Total</b>		<b>12,919</b>	<b>426</b>	<b>100</b>
<b>Grant total</b>			<b>526</b>	

**Remark:** Out of 526 there are the same 4 villages, in which program with funding from both EDC and KfW were implemented.

**Annex 13** provides provincewise information on licensees who executed contracts, funded by EDC and KfW, with REF to improve and develop rural electricity infrastructure in 2022. **Annex 14** summarises the contracted target network length, constructed length, and current status under this program. **Annex 15** lists the villages covered, and **Annex 16** maps the provinces that received assistance for infrastructure improvement and development, all funded by EDC and KfW in 2022.

#### 4.3.2 Site Inspection Activities on Implementation of Program

To ensure that the implementation of Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas is implemented in a transparent and proper manner, REF staff verified the construction of networks for all licensees who implemented this program. Pictures of some physical activities of new network construction verification by REF after construction of electricity network by the licensees are shown below.

**Mr. Cheng Chhong (Project 6) having license No. 393L for Providing  
Electricity Service at Some part of Thpong District  
Yuth Samaki Commune, Oudong District, Kampong Speu Province and Chhean Leung  
Commune, Samaki Meanchey District, Kampong Chhnang Province**



**4.4 Program for Providing Subsidy to the Licensees who are Connected to the Grid System under the Framework of Strategic Planning for Reduction of Tariff for Sale of Electricity in the Kingdom of Cambodia during the years 2015 to 2022 in Provinces and Cities**

In 2022, REF provided subsidies to licensees for reducing the rate and gap of tariff for sale of electricity in rural areas and the in the markets as below:

1. REF provided subsidies to 328 licensees throughout Cambodia.
2. 59 licensees serving electricity in the markets.

Province-wise summary information on number of customer and quantity of energy for which REF has disbursed subsidy to the licensees in 2022 for the cycle 2021 is given in **Table 11a** and **Table 11b** and for the cycle 2022 is given in **Table 12a** and **Table 12b** below.



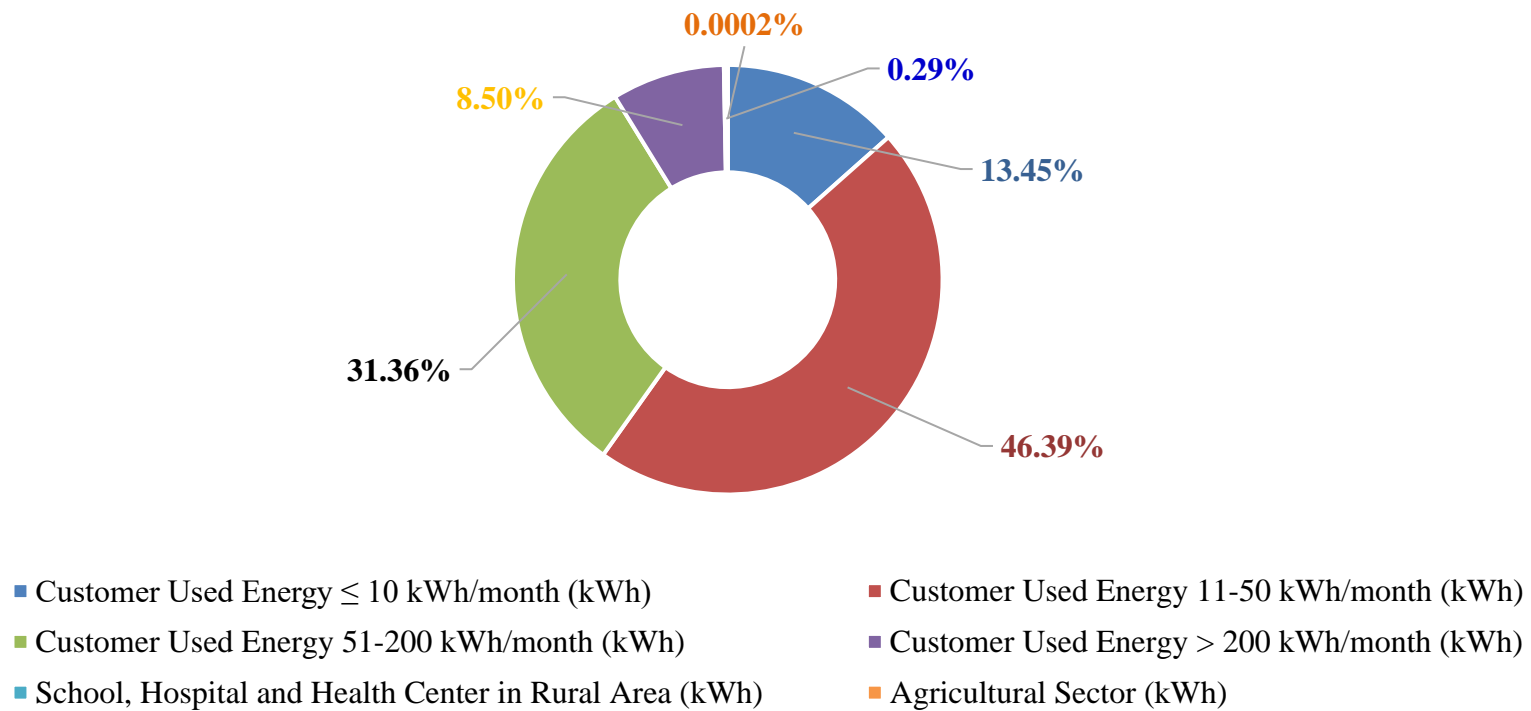
**Table 11a: Provincewise summary information on number of customer for which REF has disbursed subsidy to the licensees in 2022 (Cycle 2021)**

No.	Province/ City	Customer						Total
		≤10 kWh/month	11-50 kWh/month	51-200 kWh/month	>200 kWh/month	School, Hospital, and Health Center in rural area	Agricultural Sector	
1	Banteay Meanchey	17,555	48,022	22,358	4,368	358	-	92,661
2	Battambang	25,823	65,686	46,986	11,178	563	-	150,236
3	Kampong Cham	24,465	85,976	49,914	10,218	526	-	171,099
4	Kampong Chhnang	11,975	54,319	31,104	6,958	299	-	104,655
5	Kampong Speu	13,203	60,112	56,082	10,847	294	-	140,538
6	Kampong Thom	20,672	56,399	30,555	9,046	442	-	126,114
7	Kampot	14,560	52,717	35,460	6,885	245	-	109,867
8	Kandal	30,519	81,405	94,758	25,634	394	-	232,710
9	Koh Kong	1,544	4,757	5,490	2,389	86	-	14,266
10	Kratie	5,104	15,837	11,011	2,112	138	-	34,211
11	Mundol Kiri	-	-	-	66	-	-	66
12	Phnom Penh	1,300	3,184	6,095	19,035	-	-	29,614
13	Preah Vihear	5,409	16,349	10,327	6,322	176	-	38,583
14	Prey Veng	28,063	109,134	48,607	8,154	545	-	194,503
15	Pursat	12,288	44,388	24,904	8,463	332	-	90,375
16	Ratanak Kiri	752	3,894	3,074	1,521	66	-	9,307
17	Siem Reap	17,369	62,555	27,433	7,578	425	-	115,360
18	Preah Sihanouk	2,164	6,862	11,335	6,333	53	-	26,747
19	Stung Treng	556	1,824	1,691	548	25	-	4,644
20	Svay Rieng	3,317	16,577	9,243	1,061	61	-	30,259



21	Takeo	19,755	78,962	66,272	11,907	377	5	177,278
22	Otdar Meanchey	3,690	10,745	6,821	2,605	137	-	23,998
23	Kep	1,014	4,043	5,615	1,844	34	-	12,550
24	Pailin	1,386	4,675	5,001	2,433	38	-	13,533
25	Tboung Khmum	15,002	59,643	36,828	7,855	388	-	199,716
<b>Total</b>		<b>277,485</b>	<b>957,065</b>	<b>646,946</b>	<b>175,369</b>	<b>6,002</b>	<b>5</b>	<b>2,062,890</b>
<b>Precentage</b>		<b>13.45%</b>	<b>46.39%</b>	<b>31.36%</b>	<b>8.5%</b>	<b>0.29%</b>	<b>0.0002%</b>	<b>100%</b>

**Graphic show Customer Used Energy, which Disbursed by REF in 2022 (Cycle 2021), (%)**

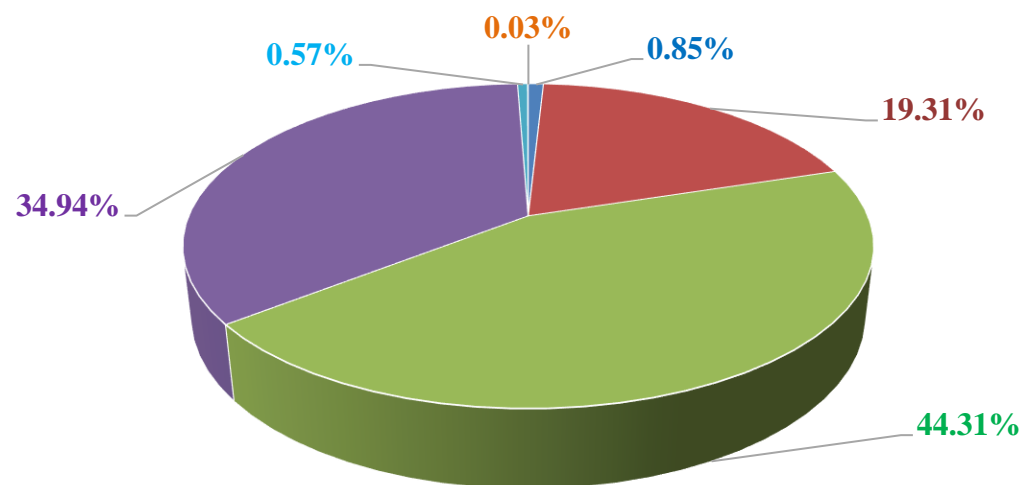


**Table 11b: Provincewise summary information on quantity of energy for which REF has disbursed subsidy to the licensees in 2022 (Cycle 2021)**

No.	Province/ City	Energy (kWh)						Energy (kWh)
		≤10 kWh/month	11-50 kWh/month	51-200 kWh/month	>200 kWh/month	School Hospital and Health Center in rural area	Agricultural Sector	
1	Banteay Meanchey	96.808	1,609,360	2,404.698	1,509,965	53.244	-	5,674,075
2	Battambang	81.675	1,867,039	4,409,541	3,072.210	70.394	-	9,500.859
3	Kampong Cham	118.799	2,418,752	4,668,867	3,073.098	58.203	-	10,337,719
4	Kampong Chhnang	67.2014	1,563,523	2,914,534	2158.159	33.933	-	6,737.353
5	Kampong Speu	61.363	2,182,705	7,153.639	5,151.149	81.692	-	14,630,548
6	Kampong Thom	107.804	1,879,973	3,055.456	2,562,965	40,777	-	7,646.975
7	Kampot	100.611	2,180.081	4,434.020	2,386,227	28.892	-	9,129.831
8	Kandal	98.331	2,848.884	11,205.362	9,435.052	65.945	-	23,653.574
9	Koh Kong	4.643	150,558	551.266	779.179	11,972	-	1,497,618
10	Kratie	24.423	432.217	1,038.280	628.134	14,499	-	2,137.553
11	Mundol Kiri	-	-	-	7.364	-	-	7.364
12	Phnom Penh	1.882	60.502	365.288	2,506,882	-	-	2,934,554
13	Preah Vihear	25,701	436.271	997.151	1,434,920	28.089	-	2,865,954
14	Prey Veng	175.354	4,228.962	7,333.666	4,672,517	184.029	-	16,594,528
15	Pursat	62.997	1,402,780	2,919.832	3,230,538	43.948	-	7,660.095
16	Ratanak Kiri	3.432	111.156	306.919	319.143	8.261	-	748.911
17	Siem Reap	94.415	1,707,695	2,541,707	1,925,441	61.405	-	6,330,663
18	Preah Sihanouk	5.609	216.025	1,176,849	1,608.008	6.325	-	3,012.816
19	Stung Treng	2.081	52.174	166.289	182.903	2.756	-	406.203

20	Svay Rieng	17.894	475.941	822.075	267.846	10.181	-	1,593,937
21	Takeo	81.822	2.362.415	6.139.720	3.345.064	61.991	48.691	12.039.703
22	Otdar Meanchey	26,471	433.745	927.557	1.147.741	18.699	-	2,554,213
23	Kep	3.125	125.561	563.164	687.303	4.114	-	1,383,267
24	Pailin	7.477	210.826	747.723	1.089.594	20.388	-	2.076.008
25	Tboung Khmum	76.686	16,662,274	3,416,816	2.218.751	42.614	-	7.417.141
<b>Total</b>		<b>1,346,607</b>	<b>30,619,419</b>	<b>70,260,419</b>	<b>55,400,153</b>	<b>896,173</b>	<b>48,691</b>	<b>158,571,462</b>
<b>Percentage</b>		<b>0.85%</b>	<b>19.31%</b>	<b>44.31%</b>	<b>34.94%</b>	<b>0.57%</b>	<b>0.03%</b>	<b>100%</b>

Graphic show on Quantity of Energy Used , which Disbursed by REF in 2022 (Cycle 2021), (%)



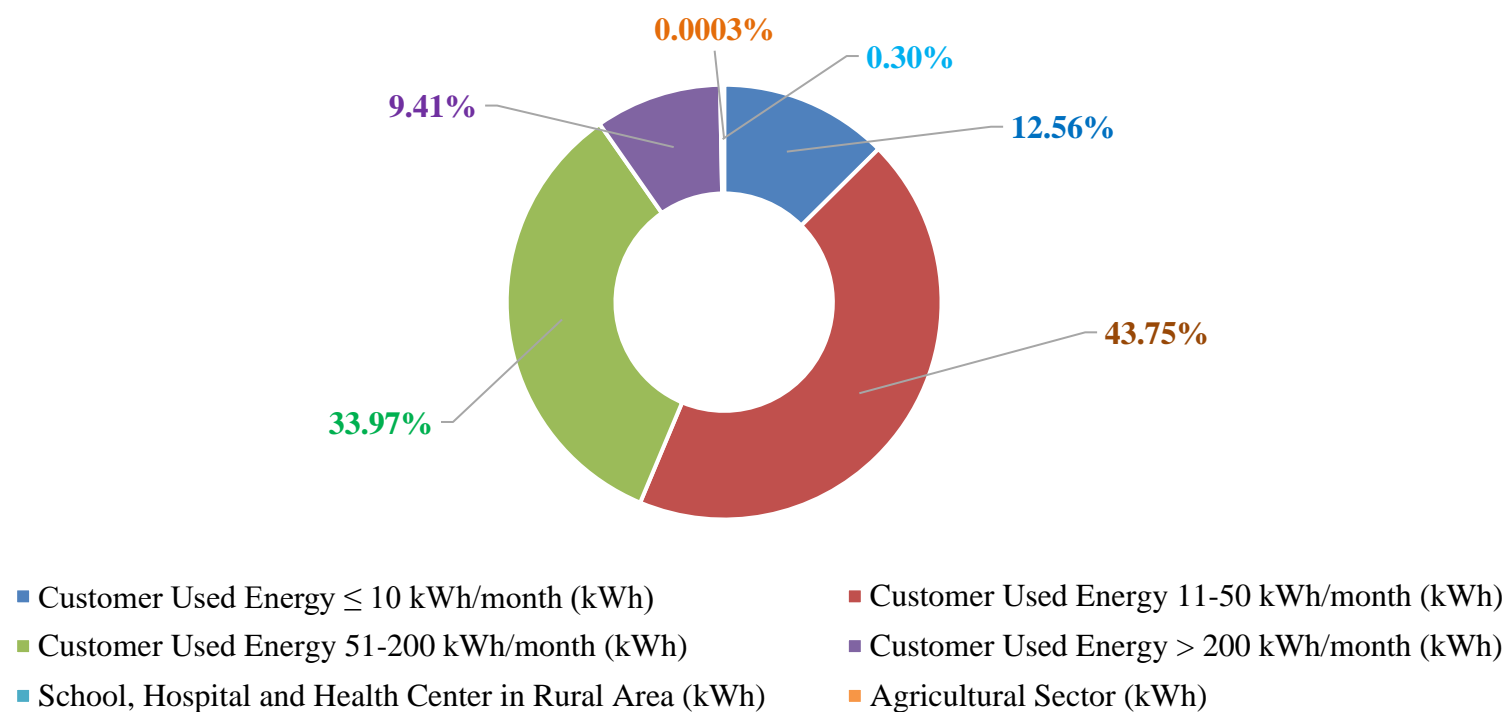
- Energy Used ≤ 10 kWh/month (kWh)
- Energy Used 11-50 kWh/month (kWh)
- Energy Used 51-200 kWh/month (kWh)
- Energy Used > 200 kWh/month (kWh)
- School, Hospital and Health Center in Rural Area (kWh)
- Agricultural Sector (kWh)

**Table 12a: Provincewise summary information on number of customer for which REF has disbursed subsidy to the licensees in 2022 (Cycle 2022)**

No.	Province/ City	Customer						Total Customer
		≤10 kWh/month	11-50 kWh/month	51-200 kWh/month	>200 kWh/month	School Hospital and Health Center in rural area	Agricultural Sector	
1	Banteay Meanchey	20,433	58,302	31,238	7,826	971	-	118,770
2	Battambang	42,970	122,675	101,092	24,879	1,141	-	292,757
3	Kampong Cham	47,219	167,239	109,107	22,395	1,141	-	347,006
4	Kampong Chhnang	23,181	106,732	61,933	15,702	611	-	208,159
5	Kampong Speu	25,918	113,855	122,108	24,946	582	-	287,409
6	Kampong Thom	38,790	129,650	67,903	29,333	928	-	257,604
7	Kampot	28,506	101,312	76,160	14,954	503	-	221,435
8	Kandal	58,993	148,432	206,815	58,120	779	2	473,141
9	Koh Kong	3,185	9,415	11,599	5,048	163	-	29,410
10	Kratie	9,134	29,223	22,224	4,450	265	-	65,296
11	Mundol Kiri	-	-	-	138	-	-	138
12	Phnom Penh	2,182	4,909	9,800	40,218	-	-	57,109
13	Preah Vihear	10,450	33,039	22,240	13,921	361	-	80,011
14	Prey Veng	53,787	211,566	111,574	18,536	1,101	1	396,554
15	Pursat	30,246	83,243	54,800	18,655	667	-	187,611
16	Ratanak Kiri	1,577	7,764	6,549	3,231	147	-	19,268
17	Siem Reap	30,925	121,650	64,499	17,324	877	-	235,275
18	Preah Sihanouk	4,306	12,886	22,765	12,951	102	-	53,010
19	Stung Treng	705	3,689	3,585	1,219	51	-	9,249
20	Svay Rieng	6,654	32,168	21,401	2,351	122	-	62,696

21	Takeo	37,296	146,508	148,821	27,474	746	10	360,873
22	Otdar Meanchey	6,568	21,025	15,701	6,063	280	-	49,637
23	Kep	2,051	7,529	11,920	4,057	68	-	25,625
24	Pailin	2,495	8,610	10,865	5,646	75	-	27,691
25	Tboung Khmum	28,709	116,693	81,576	16,279	780	-	244,037
<b>Total</b>		<b>516,280</b>	<b>1,798,104</b>	<b>1,396,275</b>	<b>386,716</b>	<b>12,384</b>	<b>13</b>	<b>4,109,771</b>
<b>Precentage</b>		<b>12.56%</b>	<b>43.75%</b>	<b>33.97%</b>	<b>9.41%</b>	<b>0.30%</b>	<b>0.0003%</b>	<b>100%</b>

**Graphic show Customer Used Energy, which Disbursed by REF in 2022 (Cycle 2022), (%)**



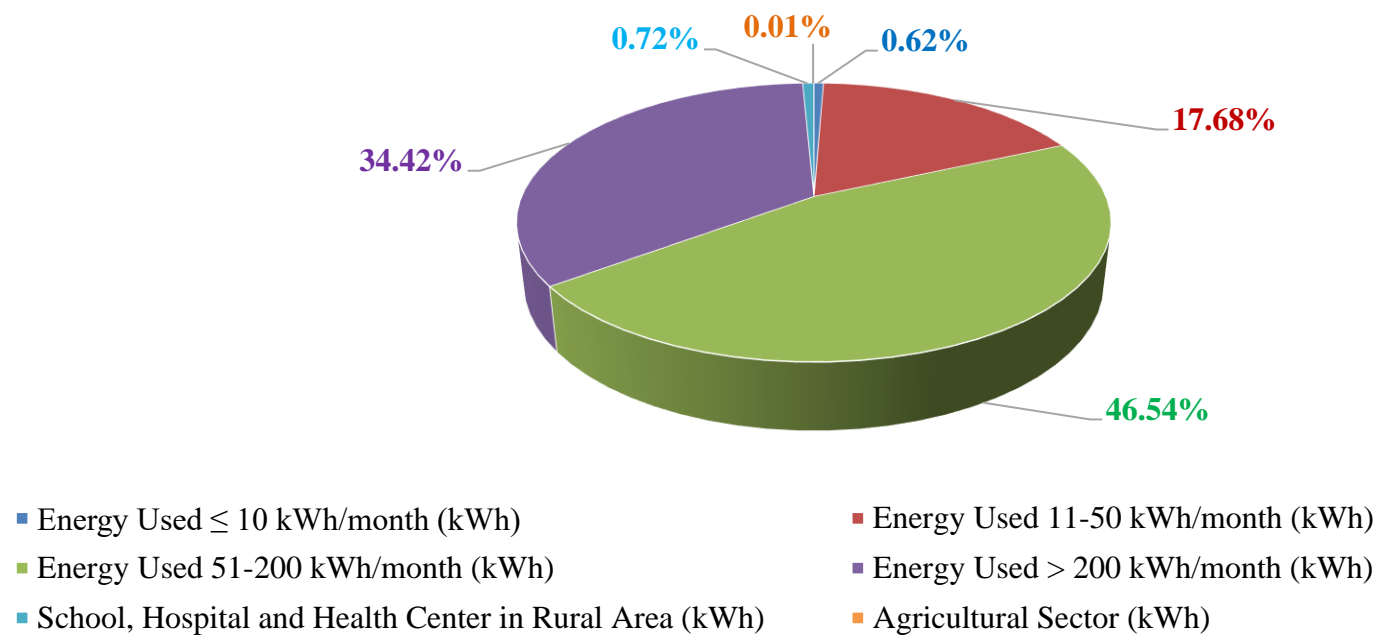


**Table 12b: Provincewise summary information on quantity of energy for which REF has disbursed subsidy to the licensees in 2022 (Cycle 2022)**

No.	Province/ City	Energy (kWh)						Energy (kWh)
		≤10 kWh/month	11-50 kWh/month	51-200 kWh/month	>200 kWh/month	School Hospital and Health Center in rural area	Agricultural Sector	
1	Banteay Meanchey	417,792	9,168,831	19,610,604	13,095,001	519,151	-	42,811,379
2	Battambang	453,708	12,465,892	36,943,592	29,149,408	888,523	-	79,901,123
3	Kampong Cham	742,531	28,433,483	46,811,152	29,766,442	763,372	-	106,516,980
4	Kampong Chhnang	400,192	10,928,939	24,803,093	19,665,666	310,072	-	56,107,962
5	Kampong Speu	359,722	13,683,331	52,376,622	17,565,321	572,680	-	84,557,676
6	Kampong Thom	582,322	12,845,729	24,070,926	15,701,507	383,625	-	53,584,109
7	Kampot	421,571	10,945,496	27,560,006	15,800,049	212,732	-	54,939,854
8	Kandal	499,185	15,637,781	73,516,047	74,126,315	571,902	699	164,351,929
9	Koh Kong	29,743	1,019,039	4,299,142	5,972,692	111,707	-	11,432,324
10	Kratie	123,338	2,727,206	7,533,450	4,857,762	151,808	-	15,393,564
11	Mundol Kiri	-	-	-	26,776	-	-	26,776
12	Phnom Penh	21,943	617,956	4,344,768	16,868,525	2,888	-	21,856,080
13	Preah Vihear	144,735	3,373,647	8,490,549	13,161,319	199,160	-	25,369,409
14	Prey Veng	806,380	22,743,439	42,638,868	21,839,254	935,449	6	88,993,396
15	Pursat	358,220	8,765,448	19,857,849	20,308,322	421,393	-	49,711,232
16	Ratanak Kiri	23,245	781,244	2,432,462	2,846,870	98,662	-	6,118,483
17	Siem Reap	426,167	11,029,166	20,932,078	17,165,231	565,258	-	50,117,900
18	Preah Sihanouk	30,213	1,129,581	6,631,296	8,548,643	47,441	-	16,387,174
19	Stung Treng	11,535	323,940	1,193,935	1,473,790	17,678	-	3,020,878

20	Svay Rieng	106,506	3,341,172	7,509,240	2,635,818	107,962	-	13,700,698
21	Takeo	463,841	15,549,922	54,106,004	19,464,825	648,868	115,854	90,349,314
22	Otdar Meanchey	101,792	2,260,579	6,411,406	9,711,321	155,647	-	18,640,745
23	Kep	19,188	803,965	4,476,327	5,728,157	43,611	-	11,071,248
24	Pailin	28,286	909,555	4,030,963	6,781,516	59,794	-	11,810,114
25	Tboung Khmum	375,471	9,372,406	22,789,683	14,750,350	327,094	-	47,615,004
<b>Total</b>		<b>6,977,625</b>	<b>198,857,747</b>	<b>523,370,062</b>	<b>387,010,881</b>	<b>8,111,477</b>	<b>116,559</b>	<b>1,124,449,351</b>
<b>Percentage</b>		<b>0.62%</b>	<b>17.68%</b>	<b>46.54%</b>	<b>34.42%</b>	<b>0.72%</b>	<b>0.01%</b>	<b>100%</b>

**Graphic show on Quantity of Energy Used, which Disbursed by REF in 2022 (Cycle 2022), (%)**



#### **4.5 Program for Applying the Special Preferential Rate of 480 riels per kWh for Electricity Consumption during night time from 9:00 p.m. to 7:00 a.m. for All Types of Consumers in Agricultural Sector for the Power Supply Sourced from the National Grid**

Since 2016, the Ministry of Mines and Energy (MME) issued the policy to provide a special tariff of 480 Riels per kWh for consumers using electricity to pump water for the agricultural sector during from 9:00 p.m. to 7:00 a.m. In 2021, the MME expanded this tariff to include all types of consumers in the agricultural sector.

In 2022, the program continued to offer this preferential rate of 480 Riels per kWh for night-time electricity use from the national grid, while maintaining the normal rate for daytime use from 7:00 a.m. to 9:00 p.m.

**Table 13: Provincewise summary information on EDC having electricity connection for all types of agriculture category under special preferential rate of 480 riels per kWh for the use of electricity during night time from 9:00 p.m. to 7:00 a.m. in EDC's supply area during 2022**

Year	Number of Customers Connected	
	Customers switch from different Categories to the Agricultural Category	New connection Customers
2022	79	-
<b>Total</b>	<b>79</b>	

**Annex 17** provides a provincewise summary of agricultural customers and service locations benefiting from the special preferential rate of 480 Riels per kWh for night-time electricity use in EDC's supply area during 2022.

**Table 14: Provincewise summary information on licensees having electricity connection for all types of agriculture category under special preferential rate of 480 riels per kWh for the use of electricity during night time from 9:00 p.m. to 7:00 a.m. in licensee's supply area during 2022**

Year	Number of Customers Connected	
	Customers switch from different Categories to the Agricultural Category	New connection Customers
2022	16	5
<b>Total</b>	<b>21</b>	

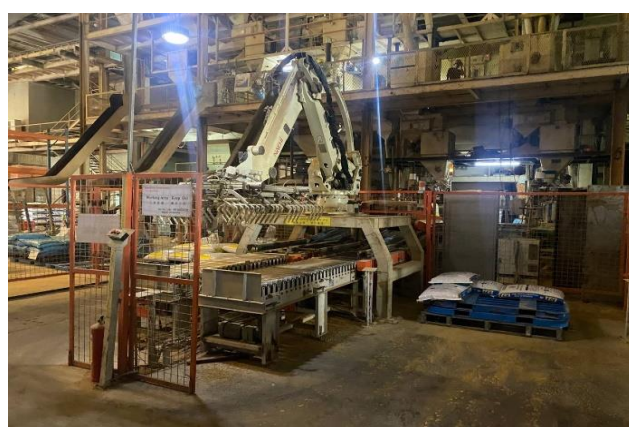
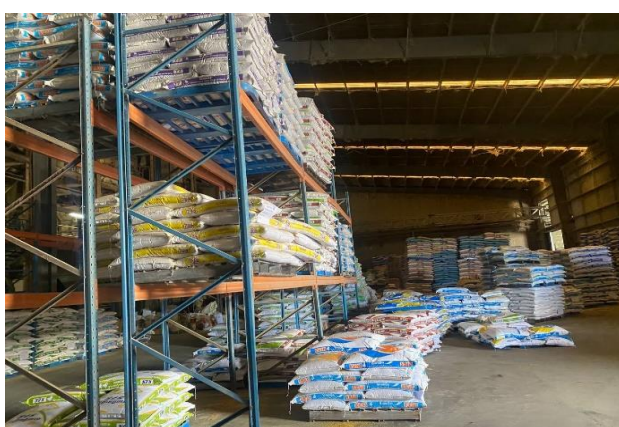
**Annex 18** provides a provincewise summary information on customers having electricity connection for agriculture category and service location under special preferential rate of 480 riels per kWh for the use of electricity during night time from 9:00 p.m. to 7:00 a.m. in licensee's supply area during 2022.

This program significantly boosted the agricultural sector, supporting activities such as crop planting, animal husbandry, aquaculture irrigation, drying, freezing, fertilizer production, rice milling, canning, food and beverage processing, and animal feed manufacturing. Many rural households and agribusinesses benefitted from this program.

**4.5.1 Site inspection activities on implementation of the special preferential rate of 480 riels per kWh for electricity consumption during night time from 9:00 p.m. to 7:00 a.m. for all types of consumers in agricultural sector under licensee's supply area**

To ensure that the implementation of the program is implemented in a transparent and proper manner, REF staff verified the request all licensees who implemented this program. Pictures of some physical verification activities by REF to decide on the application of the program for special preferential rate by the licensees are shown below.

**Electricity El Heng Huot Enterprise License No. 264 for  
Providing Electricity Service In Prek Taten Commune, Ponhear Leu District,  
Kandal Province**



**Table 15: Provincewise total number of villages (census) and number of villages where Prepaid TOU Meter have been installed under licensee's supply area in 2022**

No.	Province	Prepaid TOU Meter (Set)	
		Licensee Applied	Installed
1	Prey Veng	60	60
2	Takeo	3	3
<b>Total</b>			<b>63</b>

**Annex 19** provides a province-wise summary of licensees and the number of Prepaid TOU Meters installed in their supply areas in 2022, while **Annex 20** details the current status of these installations.

**Table 16: Provincewise total number of villages (census) and number of villages where Prepaid TOU Meter have been installed under licensee's supply area in 2022**

No.	Province	Total number of villages (Census)	Number of villages covered
1	Prey Veng	1,137	3
2	Takeo	1,119	2
<b>Total</b>		<b>2,256</b>	<b>5</b>

**Annex 21** provides provincewise list of villages, in which the Prepaid TOU Meters have been installed under licensee's supply area in 2022.

#### **4.5.2 Site inspection activities on installation of the Prepaid TOU Meter under licensee's supply area**

To ensure that the installation of the Prepaid TOU Meter is implemented transparently and properly, REF staff verified the request of all licensees who have implemented this program. Pictures of some physical verification activities by REF to decide on the application the Prepaid TOU Meter as well as the program for special preferential rate by the licensees are shown below.

**Chhor Veng Nguon Electricity Enterprise having license No. 355L for Providing Electric Power Service at Some Part of Po Rieng, Pea Raing Districts, Prey Veng Province and Lvea Em District, Kandal Province**



#### **4.6 Solar Mini-grid Power Supply Project**

During 2022, SchneiTec & Chint Group supplied materials and constructed a solar mini grid power supply project with the capacity of 162kW as a grant to EDC. The project was fully completed and handed over at the inauguration ceremony on July 18, 2022. After that, EDC handed over the project to Akisany KPLE Co., Ltd having license No. 421L for providing electric power service in Kampong Leng District, Kampong Chhnang Province to operate and to manage the project. The project provided electricity supply to 173 households in Koh Russey village, Prolay Meas commune, Kampong Leng district, Kampong Chhnang province.



**Solar mini grid power supply project by SchneiTec & Chint Group**  
**Providing to EDC with the Installed Capacity of 162kW**





### Annex 1

**Provincewise summary information on the number of rural household connected to supply system and present position, funded by EDC,  
under P2P program by providing subsidy of \$100 per ID poor household in 2022**

Province	License No.	Name of Licensee	Contracted target number of rural HH to be connected to supply system, (HH)	Number of rural HH connected to supply system, (HH)	Remark
Pursat	383L	Mrs. Khim Heang (Project 2)	-	51	Disbursed
Takeo	197L	Electricity Angroka Enterprise* (Project 2)	-	250	Disbursed
<b>Total</b>			<b>-</b>	<b>301</b>	

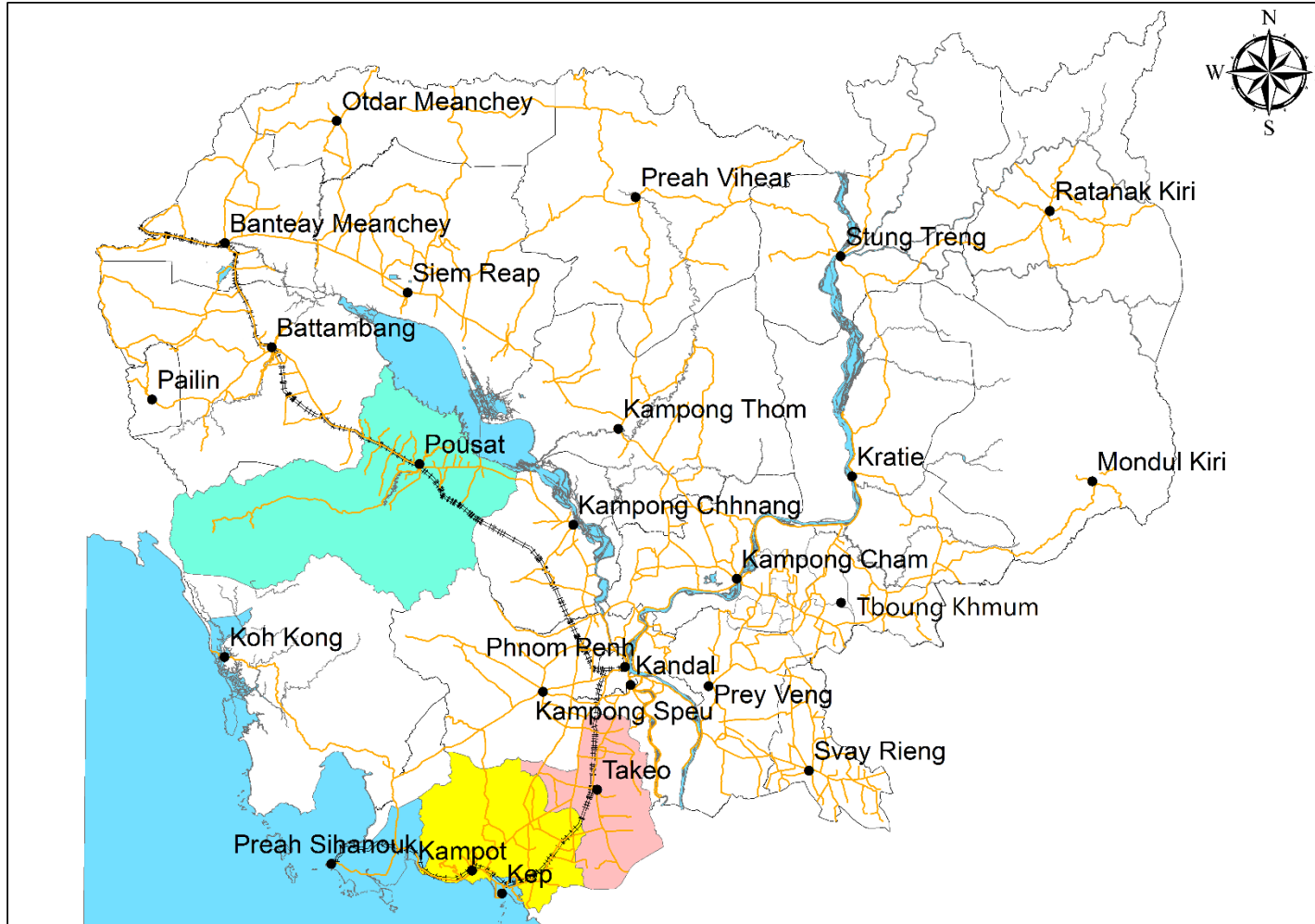
**Remark:** \* Service areas are located in 2 provinces.

**Annex 2**  
**Provincewise total number of villages, in which P2P program by providing subsidy of \$100 per ID poor household, funded by EDC, was implemented in 2022**

No.	Province	Villages	Commune	District	License No.	Licensee
1	Kampot	Damnak Chnoul	Sre Knong	Chum Kiri	197L	Electricity Angroka Enterprise* (Project 3)
		Prey Khlai, Sre Cheng, Pong Tuek, Treasure, Khpab Run	Sre Cheng			
2	Pursat	Kandal, Tien Prey, Phteah Chek, Kapas Leu,Ka Pas, Bonak, Kbal Tahan, Chheu Tep, Tuol Tbeng, Dangkeab Kdam	Cher Tom	Kroko	383L	Mrs. Khim Heang (Project 2)
		Kamreng, O Chan, Boeung Smok, Trapeang Snoul				
3	Takeo	Tamum, Bakhong Khanglech	Taphem	Tram Kork	197L	Akisni Nhoek My Enterprise*(Project 3)
		Por Dom, Pak Bong Oung	Trapeang Thom Khang Cherng			
		Trapeang Chrey, Prey Preal, Samrong, Kork Chen Leng, Trapeang Tnaot	Trapeang Thom Khang Tbong			
		Trapeang Klou, Steung, Trapeang Khmao, Trapeang Dang Toek, Trapeang Krasaing, Boeung Satong	O Saray			
		Trapeang Ampil, Ta Ben , Pong Teuk, Sambo, Ta Som, Pen Meas, Prasot Thmey, Kraing Banteay, Trapeang Kralanh, Chan Teap, Ta Smon, Prey Koki	Samrong			
		Prey Ta Khap, Trapeang Lean, South Talak, Talak Khang Cherng, Trapeang Pring, Kraing Ta Chan	Koach			
		Trapeang Skea, Plou Lork, Prey Kdoch, Trapeang Chak, Prey Ta Loy, Trapeang Kranhung, Khpob Svay, Bosta Phang	Trapeang Kranhung			
Total		61 Villages	11 Communes	3 Districts	2 Licenses	

### Annex 3

Map showing the provinces, in which P2P program by providing subsidy of \$100 per ID poor household, funded by EDC, was implemented in 2022



#### Annex 4

**Province wise summary information on the number of rural households connected to the new electricity and the current situation under the funding by EDC, Under the program Power to the Poor by Providing \$50 Subsidy per Households in 2022**

Province	License No.	Name of Licensee	Contracted target number of rural HH to be connected to supply system, (HH)	Number of rural HH connected to supply system, (HH)	Remark
Pursat	331L	Mr. Lim Pak	-	84	Disbursed
Takeo	197L	Electricity Angroka Enterprise* (Project 2)	-	250	Disbursed
<b>Total</b>			-	<b>334</b>	

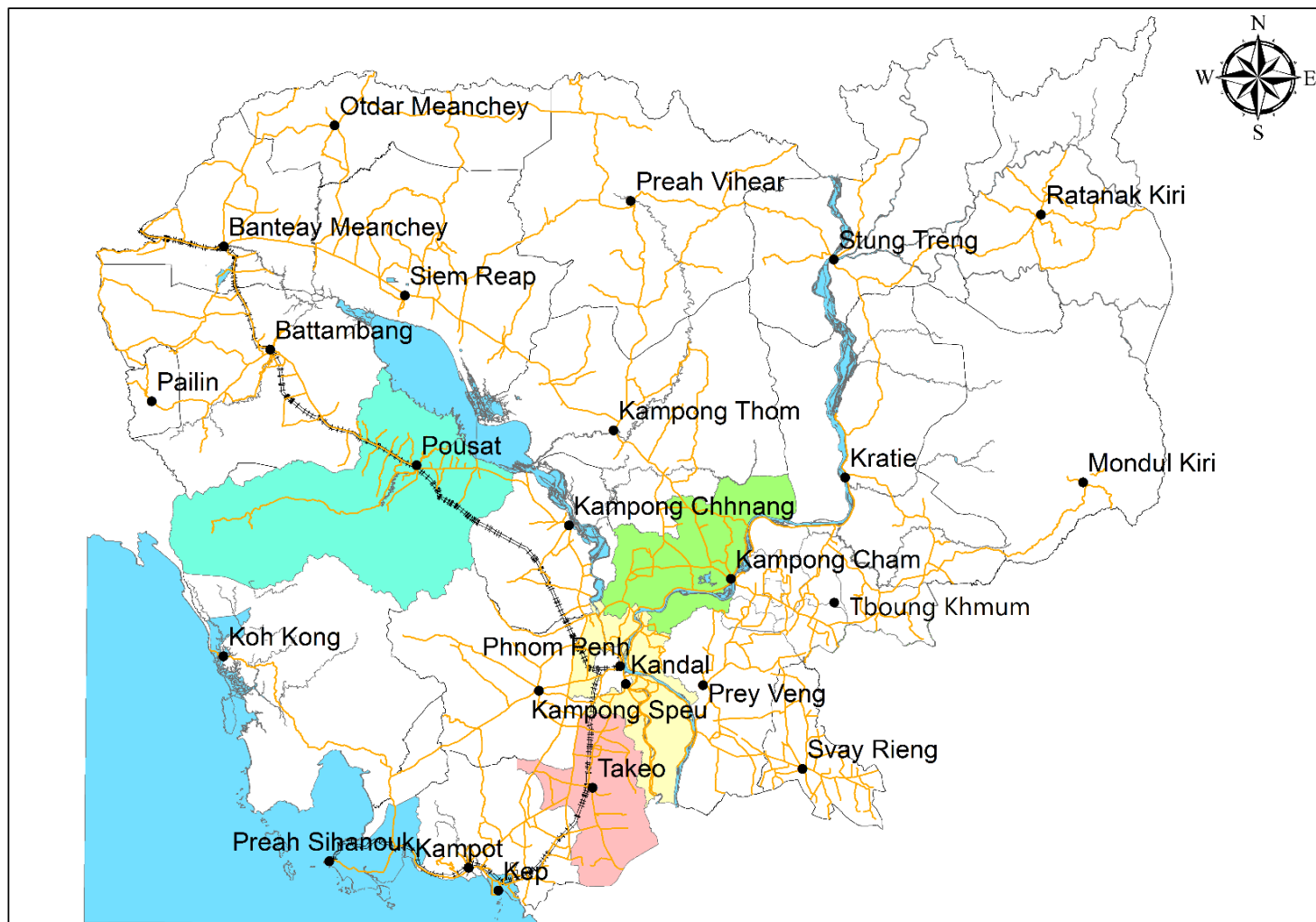
**Remark:** \* Service areas are located in 2 provinces.

**Annex 5**

**List of villages covered, P2P program by providing subsidy of \$50 per household, funded by EDC, was implemented in 2022**

No.	Province	Villages	Commune	District	License No.	Licensee
1	Kampot	Damnak Chnoul	Sre Knong	Chum Kiri	197L	Electricity Angroka Enterprise* (Project 2)
		Kamnob, Pong Teuk, Prey Khley, Khpob Run, Sre Cheng	Sre Cheng			
2	Pursat	Say, Svay Meas	Bro Ngel	Phnom Krovanh	331L	Mr. Lim Pak
		Kamreng, O Chan, Boeung Smok, Trapeang Snoul	Chom Rernpor	Pursat		
3	Takeo	Trapeang Krasaing, Trapeang Dang Teuk, Boeung Satong, Trapeang Phlu, Trapeang Kralanh, Trapeang Khchao, Steung, Sokrom, Russey MuyKum	O saray	Tram Kork	197L	Akisni Nhoek My Enterprise*(Project 2)
		Prey Preal, Trapeang Koh, Kork Chen Leng, Trapeang Chhouk, Samrong, Por Dus, Trapeang Ta Som, Trapeang Khorn	Trapeang Thom Khang Tbong			
		Pak Bong Orng	Trapeang Thom Khang Cherng			
		Talak Khang Tbong, Prey Khab, Trapeang Lean, Trapeang Ampil	Koach			
		Pen Meas, Trapeang Cheng, Prey Koki, Ta Som, Ta Pen, Ta Smon , Sambour, Trapeang Thmor, Chan Teap	Samrong			
		Ta Kem	Ta Phen			
		Khpob Svay, Prey Ta Loy, Prey Kdouch, Trapeang Chak, Trapeang Skea,Plou Lork, Trapeang Kong	Trapeang Kranhung			
Total		47 Villages	11 Communes	4 Districts	2 Licenses	

**Annex 6**  
**Map showing the provinces, in which P2P program by providing subsidy of \$50 per household,**  
**funded by EDC, was implemented in 2022**



**Annex 7**  
**Provincewise information on licensees who have executed contracts, funded by EDC and KfW, with REF**  
**for providing electrical materials as donation to rural household (HH) to connect the electricity to the rural household's house**  
**under P2P program by providing electrical materials per household as donation, in 2022**

Province/ city	Area of supply	License No.	Name of Licensee	Source of Supply
<b>I Funded by Electricité Du Cambodge (EDC)</b>				
Kampong Chhnang	Kampong Leng	421L	KPLE Electricity Limited Company	OSVR Trading
Kampong Thom	Some parts of Baray and Santuk District	199L	Soem Lai Y Electricity Co.,Ltd	EDC
	Some parts of Baray and Santuk District	367L	Mr. Soeun Sophal	BVC Power Development
	Some parts of Baray and Santuk District	367L	Mr. Soeun Sophal (Project 2)	BVC Power Development
Kampot	Some parts of Chum Kiri District	197L	Electricity Ang Roka Enterprise*	EDC
	Some parts of Chum Kiri District	197L	Electricity Ang Roka Enterprise* (Project 2)	EDC
Kratie	Some parts of Khum Sambok, Chet Borey District and Sambo District	346L	Mrs. Chea Sokheng	EDC
Pursat	Some parts of Bakan, Phnom Kravanh Distrtict and Sangkat Lolok Sor, Krong Pursat	034L	Yen Youlay Electricity Enterprise	EDC
	Some parts of Phnom Kravanh District and Krong Pursat	331L	Mr. Lim Pak	EDC
	Some parts of Phnom Kravanh District and Krong Pursat	331L	Mr. Lim Pak (Project 2)	EDC
	Some part of Svay Sar and Cher Tom communes, Krakor district	383L	Mrs. Khim Heang	EDC
	Some part of Svay Sar and Cher Tom communes, Krakor district	383L	Mrs. Khim Heang (Project 2)	EDC
Rattanakiri	Some part of O Yadaov District and Seda Commune, Lumphat District	333L	O Yadaov Electricity	EDC
Siem Reap	Some parts of Chi Kreng and Sotnikum Districts	129L	Mr. Chan Sok (Project 2)	EDC



Takeo	Some parts of Tram Kork District	197L	Electricity Ang Roka Enterprise*	EDC
	Some parts of Tram Kork District	197L	Electricity Ang Roka Enterprise* (Project 2)	EDC
<b>II Funded by Kreditanstalt für Wiederaufbau (KfW)</b>				
Kampong Thom	Some parts of Prasat Balaing and Kampong Svay Districts	368L	Miss Tan Kimbouy	EDC
	Some parts of Kampong Svay, Prasat Balaing, Prasat Sambor districts and Krong Steung Sen	387L	H.T.R.T Electricity Enterprise	BVC Power Development
Siem Reap	Some parts of Chi Kreng and Sotnikum Districts	129L	Mr. Chan Sok	EDC

**Note:** \* Area of supply in 2 provinces, \*\* Area of supply in 3 provinces,

### Annex 8

**Provincewise summary information on contracted target number of rural households to be connected, number of rural households connected, funded by EDC and KfW, under P2P program by providing electrical materials per household as donation in 2022**

Province	License No.	Name of Licensee	Contracted number of rural HH to be connected, (HH)	Number of rural HH already connected, (HH)	Remark
<b>I Funded by Electricité Du Cambodge (EDC)</b>					
Kampong Chhnang	421L	KPLE Electricity Limited Company	139	139	Disbursed
Kampong Thom	199L	Soem Lai Y Electricity Co.,Ltd	200	200	Disbursed
	367L	Mr. Soeun Sophal	229	229	Disbursed
	367L	Mr. Soeun Sophal (Project 2)	435	-	On going
Kratie	346L	Mrs. Chea Sokheng	174	174	Disbursed
Pursat	034L	Yen Youlay Electricity Enterprise	7	7	Disbursed
	331L	Mr. Lim Pak	100	100	Disbursed
	331L	Mr. Lim Pak (Project 2)	320	320	Disbursed
	383L	Mrs. Khim Heang	300	300	Disbursed
	383L	Mrs. Khim Heang (Project 2)	300	-	On going
Rattanakiri	333L	O Yadaov Electricity	127	-	On going
Siem Reap	129L	Mr. Chan Sok (Project 2)	220	-	On going
Takeo	197L	Electricity Ang Roka Enterprise*	200	200	Disbursed
	197L	Electricity Ang Roka Enterprise* (Project 2)	300	-	On going
		<b>Total I</b>	<b>3,051</b>	<b>1,669</b>	
<b>II Funded by Kreditanstalt für Wiederaufbau (KfW)</b>					
Kampong Thom	368L	Miss Tan Kimbouy	100	100	Disbursed
	387L	H.T.R.T Electricity Enterprise	150	-	On going
Siem Reap	129L	Mr. Chan Sok	106	106	Disbursed
		<b>Total II</b>	<b>356</b>	<b>206</b>	
		<b>Total I+II</b>	<b>3,407</b>	<b>1,875</b>	

Remark: \*\* Service areas are located in 3 provinces

**Annex 9**  
**List of villages covered under P2P program by providing electrical materials per household as donation, funded by EDC and KfW, was implemented in 2022**

No.	Province/City	Villages	Communes	District	License No.	License
I. Fund by Electricité Du Cambodge (EDC)						
1	Kampong Chhnang	Kaeng Ta Sok, Kampong Boeng, T'our Rolum, Stueng Sandaek	Kampong Hau	Kampong Leaeng	421L	Akisany KPLE Co.,Ltd
		Chres, Trabaek, Tumnob	Trangel			
		Chambak Khpos, Knong, Cheung Kraoh, Ta Lat	Svay Rumpear			
		Dar, Thnal, Chrolong, Prasat, Kuy	Dar			
		Samraong Saen, Paprak	Samraong Saen			
		Peam Tonlea, Pou, Kampong Ba Chen, Thmei	Pou			
		Kangkaeb, Thlok, Kandal, Lech	Chranouk			
2	Kampong Thom	Veal Pring, Sralau, Ou Tnaot, Rovieng	Ngan	Sandan	199L	Some Lai Y Electricity Co.,Ltd
		Krasang	Sandan			
		Boeng, Srae Veal Kaet, Srae Veal Lech, Sampoar Thum, Sampoar Touch, Srae Khsach	Dang Kambet			
		Popueng, Choam Phal	Mean Chey			
		Mean Chey	Voadthonak			
		Sleng Tol	Riebaroy			
		Prey Choar, Roka Chuor, Angkor Sen Chey, Tuek Vil	Klaeng			
		Panhchak Lea	Koul			
		Bak Sna Kraom, Bak Sna Leu, Andaot, Kampong Poun, Ou Chamres	Bak Sna	Baray	367L	Mr. Soeun Sophal

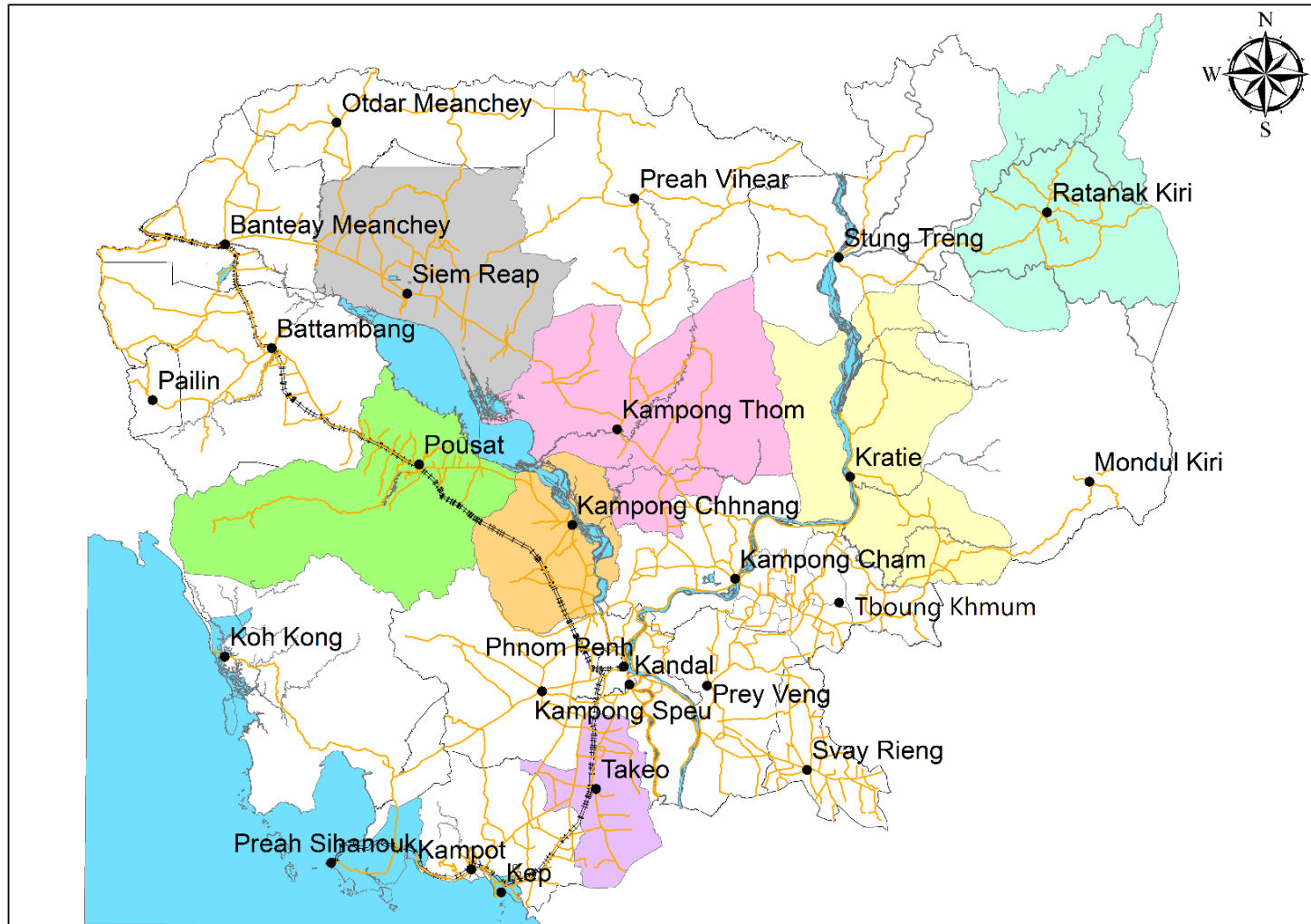
		Veal Thum, Veal Spor, Ta Pov, Trapeang Sangkae, Poun	Kokir Thum			
		Kampong Sdach	Krava			
3	Kampot	Damank Chheu Kram	Snay Anhchet	Chum Kiri	197L	Electricity Ang Roka Enterprise*
		Prey Khley, Srae Chaeng, Pong Tuek, Kamnab, Khpoh Run	Srae Chaeng			
		Damnak Snuol	Srae Knong			
4	Kratie	Ou Krieng	Ou Krieng	Sambour	346L	Chea Sokheng Co.,Ltd
		Srae Sbov	Kbal Damrei			
		Roluos, Pakleae	Roluos Mean Chey			
		Kaeng Prasat	Sambour			
		Svay Chek, Bay Samnom	Kaoh Khnhaer			
5	Pursat	Ruessei Ta Man	Boeng Bat Kandaol	Bakan	034L	Yen Youlay Electricity Enterprise
		Say	Prongil	Phnum Kravanh	331L	Mr. Lim Pak
		Kampong Stoung	Chamraeun Phal	Pursat		
		Prongil, Svay Pak, Say	Prongil	Phnum Kravanh	331L	Mr. Lim Pak (Project 2)
		Ou Thkov	Roleab	Pursat		
		Kampong Stoung, Tuol Kruos, Kdei Khvav	Chamraeun Phal			
		Teanprey, Bamnak, Kapas Leu, Kbal Teahean, Cham Chas, Cham Thmei, Dangkieb Kdam, Kandal, Phteah Chek	Chheu Tom	Krakor	383L	Mrs. Khim Hieng
		Tuol Andaet, Kamraeng, Boeng Smok, Ou Chan, Trapeang Chhnuol, Absa Chambak	Svay Sa			

6	Takeo	Trapeang Chaeng, Prey Ta Dok, Pong Tuek, Krabei Prey, Trapeang Thma, Prey Kokir, Ta Saom, Prasout Them, Sambuor	Samraong	Tram kak	197L	Electricity Ang Roka Enterprise*
		Ruessei Muoy Kump, Trapeang Kralanh, Trapeang Phlu, Stueng, Sokram	Ou Saray			
		Trapeang Robang, Prey Ta Lauy, Trapeang Kranhung	Trapeang Kranhung			
Total I		111 Village	35 Commune	10 District	8 License	
II. Funded By Kreditanstalt für Wiederaufbau (KfW)						
1	Kampong Thom	Veal Thnal, Sa Kream Cheung, Ou Khsang, Ou Angkor, Trapeang Pring	Sa Kream	Prasat Balangk	368L	Miss Tan Kimbouy
		Phdiek, Srama, Prey Meri	Phan Nheum			
2	Siem Reap	Kansaeng, Prey Pros, Thnal Dach, Peak Spea, Ou, Chak, Damrei Chhlang	Sangvaeuy	Chi Kraeng	129L	Sahakres Akisani Phumi Or
Total II		15 Village	3 Commune	2 District	2 License	
Total I+II		126 Village	38 Commune	12 District	10 License	

Remark: \*\* Area of supply in 3 provinces

### Annex 10

Map showing the provinces, in which P2P program by providing electrical materials per household as donation, funded by EDC and KfW, was implemented in 2022



**Annex 11**

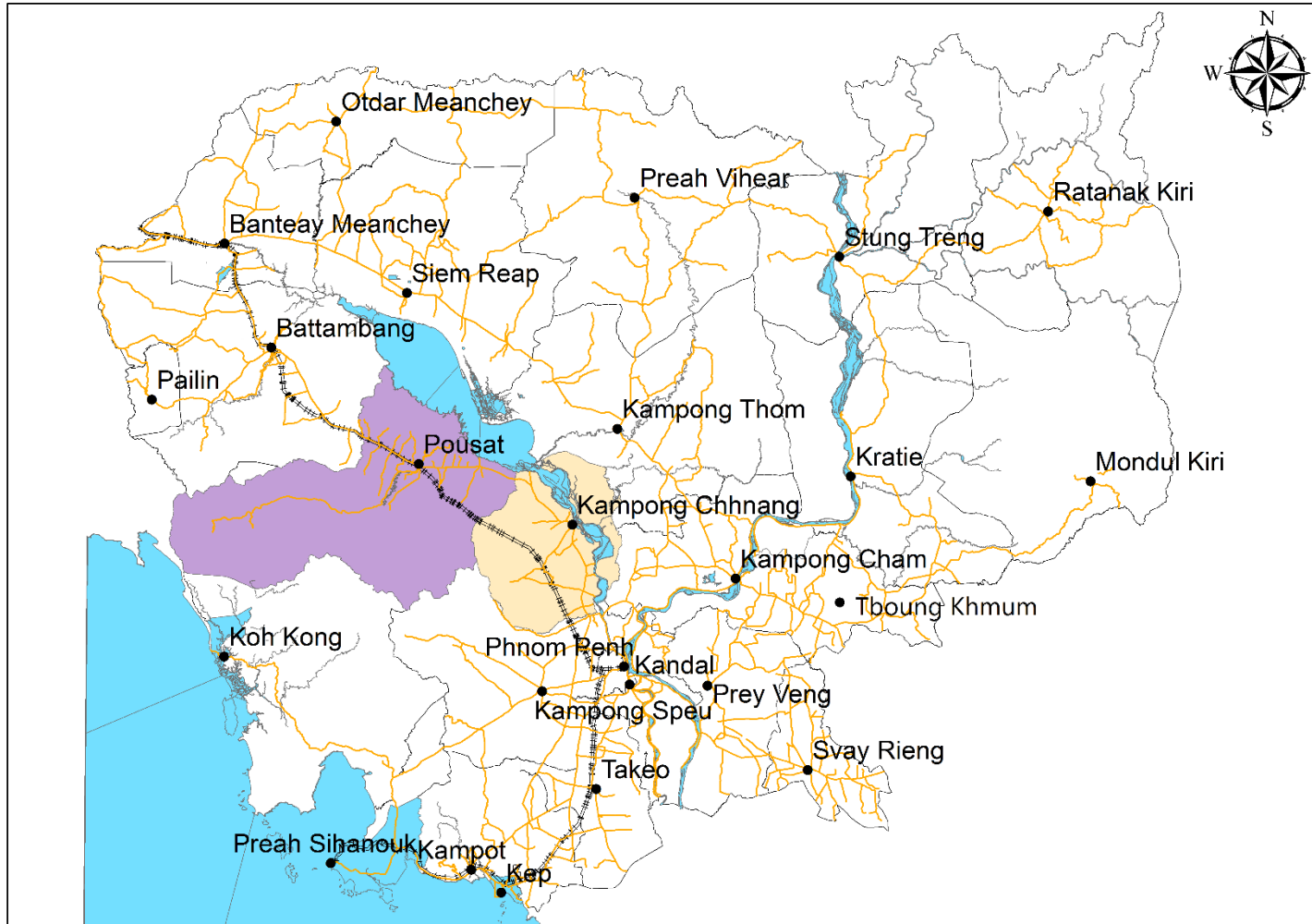
**List of villages, in which 615 SHS-500Wp with 4L Panasonic AC Rice Cooker have been installed, funded by EDC, in 2022**

<b>No.</b>	<b>Province</b>	<b>Number of villages access electricity through SHS</b>	<b>Commune</b>	<b>District</b>
1	Kampong Chhnang	Stung Chrov	Kampong Preah Koki	Boribo
2	Pursat	Phum 1, Phum 2, Phum 3, Phum 4, Phum 5	Ansa Chambak	Krakor
		Kampong Thkoul	Kampong Pou	
<b>Total</b>	<b>2 Province</b>	<b>7 Villages</b>	<b>3 Communes</b>	<b>2 Districts</b>



## Annex 12

Map showing the provinces, in which SHS-500Wp with 4L Panasonic AC Rice Cooker have been installed, funded by EDC, in 2022



**Annex 13**  
**Provincewise information on licensees who have executed contracts, funded by EDC and KfW, with REF for  
getting assistance to improve existing and develop electricity infrastructure in rural areas in 2022**

Province/ city	Area of supply	License No.	Name of Licensee	Source of Supply
<b>Funded by Electricité Du Cambodge (EDC)</b>				
Banteay Meanchey	Some part of Phnom Srouk District	081L	Mr. Moun Han (Project 6)	EDC
Battambang	Some part of Ratanak Mondul and Banan District	069L	Mr. Nop Bin (Project 9)	EDC
	Some parts of Bavel and Thmor Koul districts	282L	Mrs. Soeun Sophorn Nara (Project 5)	EDC
	Some parts of Bansay Treng Commune and Rong Chrey Commune, Bavel District	283L	Aun Yun Electric Company (Project 3)	EDC
	Some parts of Samlot, Ratanak Mondul and Koas Krala Districts	392L	ASDVM CO.,Ltd (Project 7)	EDC
Kampong Cham	Some parts of Khum Sambo and Khum Chealea, Bateay District	216L	Sambo Electricity Co.,Ltd (Project 5)	TPLC Holdings
	Some parts of Steung Trang	369L	Mr. Dy Piseth (Project 5)	EDC
Kampong Chhnang	Some parts of Borribo District	040L	Electricity PGKH Co., Ltd. (Project 9)	OSVR Trading
	Khum Chhean Laeung, Samaki Meanchey District	393L	Mr. Cheng Chhorng* (Project 5)	EDC
	Khum Chhean Laeung, Samaki Meanchey District	393L	Mr. Cheng Chhorng* (Project 6)	EDC
	In Prasnip commune, Rolea Bier district, parts of Kraing Ska commune, Teuk Phos district and Bariboun district	429L	En Chantha Electricity Enterprise (Project 3)	OSVR Trading
Kampong Speu	Some parts of Phnom Sruoch District	136L	Mr. Men Kunthea (Project 6)	EDC
	Parts of Phnom Sruoch and Samrong Tong districts	385L	Chan Kim Eng Electricity Co., Ltd. (Project 4)	EDC
	Some parts of Thpong District, Khum Yuth Samaki, Udong District, and Khum Chhean Leung, Samaki Meanchey District	393L	Mr. Cheng Chhorng* (Project 5)	EDC

	Some parts of Thpong District, Khum Yuth Samaki, Udong District, and Khum Chhean Leung, Samaki Meancheay District	393L	Mr. Cheng Chhorng* (Project 6)	EDC
Kampong Thom	Khum Sankor and Khum Tbaeng, Kampong Svay District	228L	T.K.T.D Electricity Enterprise (Project 5)	BVC Power Development
	Some parts of Prasat Sambo District	326L	Vanna Lai Him Electricity Enterprise (Project 4)	EDC
Kampot	Some parts of Teuk Chhou District	042L	Akisni Trapeang Ropov Co., Ltd*	EDC
Kandal	Some parts of Lvea Em and Khsach Kandal districts	347L	7 NG Group (Project 2)	Kien Svay Electric Company
	Some Parts of Puk Russey commune, Khsach Kandal district	511L	Mrs. Howie Trin	Kampong Som Electricity Company
Kratie	Some parts of Memot, Dambe District and Some parts of Chhlong District	321L	Th & Koki Power Development Co., Ltd* (Project 5)	EDC
Preah Vihear	Some parts of Preah Vihear City and Tbeng Meanchey District	031L	Preah Vihear Electricity Company (Project 2)	EDC
Prey Veng	In Theay commune, some parts of Boeung Preah commune, Ba Phnom district, Teuk Thla commune, Samrong commune, Svay Antor district and Babong commune, Peam Ro district	284L	Mr. Long Hay (Project 4)	EDC
	Some parts of Sithor Kandal District	478L	VRTN Co.,Ltd**(Project 3)	EDC
Pursat	Some parts of Kandeang District, Bakan District and Pursat City	382L	Mrs. Kim Siphil (Project 5)	EDC
	Some parts of Svay Sar and Chheu Tom communes, Krakor district	383L	Mrs. Khim Heang (Project 7)	EDC
Ratanak Kiri	Some parts of Bor Keo and Lumphat districts	291L	Mr. Samrith Horn (Project 2)	EDC
Preah Sihanouk	Some parts of Prey Nob Districts	042L	Akisani Trapeang Ropov Co., Ltd*(Project 2)	EDC
	Cambodia Preah Sihanouk “Ream” National Park located in some parts of Khum Ream, Prey Nob District	478L	VRTN Co., Ltd** (Project 3)	EDC

Svay Rieng	Some parts of Romeas Hek District	319L	Khmer Utility Trading (Company) Company (Project 7)	EDC
Takeo	Some parts of Tram Kork District	121L	Mr. Nget Soda (Project 5)	EDC
	Prey Phkam Commune, Angkor Borey District	283L	Mrs. Tuy Sophany (Project 3)	LMK
Tboung Khmum	Some parts of Memut, Tambae Districts and some parts of Chhloung District	321L	Th & Koki Power Development Co., Ltd* (Project 5)	EDC
	Some Parts of O-Raing Ov District	478L	VRTN Co., Ltd ** (Project 3)	EDC
<b>Funded by Kreditanstalt für Wiederaufbau (KfW)</b>				
Banteay Meanchey	Some part of Chamnom commune, Soeur commune, Mongkul Borei district	324L	Mrs. Khieu Sokha * (Project 6)	EDC
Battambang	Some part of Chamnom commune, Soeur commune, Mongkul Borei district	324L	Mrs. Khieu Sokha * (Project 6)	EDC
	Some parts of Khum Treng, Ratanak Mondul District	493L	Mrs. Loeurng Ly (Project 3)	EDC
Kampong Cham	Some parts of Stung Trang District	060L	Mrs. Aam Sreng (Project 5)	Electricity Skun - Chamkar Leu Enterprise
Kampong Chhnang	Some parts of Kampong Tralach, Samaki Meanchey and Teuk Phos districts	041L	Ty Sokun (TSK) Electricity (Project 4)	OSVR Trading
	Some part of Tuek Phos District	119L	Mr. Un Sothea (Project 12)	OSVR Trading
	Some part of Koh Thkov Commune, Choul Kiri District, Kampong Tralach District, Teuk Phos District, Rolea Bier District and Samaki Meanchey District	416L	Mr. Or zoly (Project 6)	OSVR Trading
Kampong Thom	Some parts of Prasat Balang and Kampong Svay districts	368L	Miss Tan Kimbouy (Project 7)	BVC Power Development
Kampot	Chhouk district, Chum Kiri district, Angkor Chey district, Banteay Meas district, Dang Tong district, Teuk Chhou district and Kampong Trach district	044L	Teuk Chhou Electric Company (project10)	EDC
Koh Kong	Some parts of Thmar Bang, Mondul Seima, Kirisakor, Koh Kong and Khemarak Phoumint districts	370L	Koh Kong District Electricity Co., Ltd. (Project 3)	EDC

	Some parts of Thmar Bang district, Chik Leu commune, Sre Ambel district and Trapeang Rong commune, Koh Kong district	418L	Mrs. Chheng Touch (Project 5)	EDC
Pursat	O Som Commune, Veal Veng District	397L	Mr. Pav Vuthea (project 5)	EDC
Rattanakiri	Some part of O Yadao District and Seda Commune, Lumphat District	333L	O Yadao Electricity Co., Ltd. (Project 2)	EDC
Siem Reap	Some part of Puok, Angkor Chum and Angkor Thom districts	035L	Vorn Virak Service Company (Project 7)	EDC
	Some part of Kantuot commune, Svay Leu district, Banteay Srei district, Varin district	240L	Heang Kimheng HS Power Co., Ltd. * (Project 9)	EDC
Oddor Meanchey	Some parts of Chongkal Commune, Chongkal District, Anlong Veng District	240L	Heang Kimheng HS Power Co., Ltd. * (Project 9)	EDC

Remark: \*\* Area of supply in 3 provinces,

**Annex 14**

**Provincewise summary information on contracted target length of network, constructed length of network and present position under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas, funded by EDC and KfW, in 2022**

Province/city	License No.	Name of licensee	Contracted length of network (km)		Constructed length of network (km)		Remark
			LV	MV	LV	MV	
I Funded by Electricité Du Cambodge (EDC)							
Banteay Meanchey	081L	Mr. Muon Han (Project 6)	6.30	-	6.30	-	Disbursed
	276L	Mr. Chun Rithy (Project 5)	-	-	5.60	8.6	Disbursed
	389L	Mrs. Men Chansokol (Project 4)	-	-	6.00	-	Disbursed
		Mrs. Men Chansokol (Project 5)	-	-	22.74	-	Disbursed
Battambang	069L	Mr. Nop Bin (Project 9)	12.50	13.20	12.50	13.20	Disbursed
	246L	Mr. Samnang Satya (Project 5)	-	-	1.00	4.93	Disbursed
	270L	Electric Otaki Trading Co., Ltd. (Project 6)	-	-	3.32	19.40	Disbursed
	282L	Mrs. Soeun Sophorn Nara (Project 5)	8.90	-	8.90	-	Disbursed
	283L	Aun Yun Electric Company (Project 3)	7.75	-	7.75	-	Disbursed
	302L	RY Power Company (Project 4)	-	-	11.00	-	Disbursed
	392 L	ASDVM Co., Ltd. (Project 7)	14.70	14.60	14.70	14.60	Disbursed
	Kampong Cham	060L	Mrs. Eam Sreng (Project 4)	-	-	10 pole	84 pole
216L		Sambo Electricity Company (Project 5)	9.30	5.30	9.30	5.30	Disbursed
286L		Mrs. Surong (Project 7)	-	-	51 pole	107 tpole	Disbursed
369L		Dy Piseth Enterprise (Project 5)	3.00	-	3.00	-	Disbursed
400L		Mr. Hong Sengkry * (Project 7)	-	-	-	54 pole	Disbursed
Kampong Chhnang	040L	Electricity PGKH Co., Ltd. (Project 9)	18.90	15.20	18.90	15.20	Disbursed
	429L	En Chantha Electricity Enterprise (Project 3)	29.60	13.40	29.60	13.40	Disbursed
Kampong Speu	136L	Mr. Men Kunthea (Project 7)	4.20	7.70	4.20	7.70	Disbursed
	237L	Prey Romduol Electric Company (Project 4)	-	-	15.85	6.69	Disbursed
	385L	Chan Kim Eng Electricity Co., Ltd. (Project 4)	-	11.10	-	11.10	Disbursed
	393L	Mr. Cheng Chhong * (Project 5)	10.20	6.80	10.20	6.80	On going
	393L	Mr. Cheng Chhong * (Project 6)	2.00	6.20	2.00	6.20	Disbursed

	435L	Mrs. Keo Seda ** (Project 2)	-	-	7.00	13.00	Disbursed
Kampong Thom	199L	Simlay Electricity Enterprise (Project 3)	-	-	10.50	13.20	Disbursed
	228L	TKT Electricity Enterprise (Project 6)	7.40	2.80	7.40	2.80	Disbursed
	326L	Vanna Lai Him Electricity Enterprise (Project 3)	-	-	13.00	6.60	Disbursed
	367L	Mr. Soeun Sophal (Project 9)	-	-	382 pole	-	Disbursed
Kampot	042L	Akisni Trapeang Ropov Co., Ltd (Project 2)	10.17	3.40	10.17	3.40	Disbursed
	044L	Akisani Toek Chhou Co.,Ltd (Project 9)	-	-	107 pole	420 pole	Disbursed
Kandal	347L	7 NG Group (Project 2)	5.50	5.00	0.50	2.80	Disbursed
	511L	Mrs. Howie Trin	4.58	-	4.58	-	Disbursed
Koh Kong	370L	Koh Kong District Electricity Co.,Ltd (Project 3)	-	-	265 pole	174 pole	Disbursed
Kratie	346L	Mrs. Chea Sokeng (Project 5)	-	-	168 pole	47 pole	Disbursed
	352L	Mr. Kang Kim Ang	-	-	285 pole	-	Disbursed
Preah Vihear	031L	Preah Vihear Electricity Company (Project 2)	3.90	-	3.90	-	Disbursed
	162L	Mrs. Leap Srey Ang (Project 3)	-	-	8.20	3.50	Disbursed
	172L	Mrs. Ou Kimseang	-	-	15.42	-	Disbursed
	446L	Mrs. Veng Dina	-	-	8.00	-	Disbursed
Prey Veng	208L	Keo Chamroeun Electricity Enterprise (Project 2)	-	-	7.60	-	Disbursed
	284L	Mr. Long Hay (Project 4)	6.35	-	6.35	-	Disbursed
	320L	Mr. Eng Hou (Project 2)	-	-	161 pole	161 pole	Disbursed
	336L	Mr. Heang Phally (Project 5)	-	-	31.47	-	Disbursed
Pursat	331L	Mr. Lim Pak (Project 7)	-	-	555 pole	-	Disbursed
	382L	Mrs. Kim Siphil (Project 5)	22.00	-	-	-	On going
	383L	Mrs. Khim Heang (Project 7)	30.00	13.00	30.00	13.00	Disbursed
	397L	Mr. Pav Vuthea (Project 4)	-	-	242 pole	171 pole	Disbursed
Ratanakiri	291L	Mr. Samrith Horn (Project 2)	3.93	0.28	1.98	0.26	Disbursed
Siem Reap	406L	Mrs. Loeung Sitha	-	-	193 pole	-	Disbursed
Preah Sihanouk	030L	Mr. Meng Tharith	-	-	39 pole	-	Disbursed
	478L	VTN Company ** (Project 3)	2.72	-	2.72	-	Disbursed
Svay Rieng	319L	Khmer Utility Trading (KUT) Co., Ltd (Project 7)	12.73	16.09	9,80	15.60	Disbursed
Takeo	022L	Mr. Kong Phat (Project 3)	-	-	1.60	12.30	Disbursed

	121L	Electricity Tram Kak Company (Project 5)	7.77	1.85	7.77	1.85	Disbursed
	195L	Mr. Ouch Kea (Project 2)	-	-	6.06	1.68	Disbursed
	197L	Electrite City Angkor Enterprise (Project 7)	-	-	326 pole	113 pole	Disbursed
	237L	Mr. Chea Sovannara (Project 2)	-	-	1.47	-	Disbursed
	238L	Mrs. Tuy Sophany (Project 3)	3.80	-	3.80	-	Disbursed
Tboung Khmum	308L	Mrs. Phin Thai (Project 4)	-	-	18.40	12.30	Disbursed
	321L	Th & Koki Power Development Co., Ltd* (Project 5)	21.70	3.40	21.70	3.40	Disbursed
	Total I		269.90	139.32	432.25	238.81	
			409.22		671.06		
II Funded by Kreditanstalt für Wiederaufbau (KfW)							
Banteay Meanchey	324L	Mrs. Khieu Sokha (Project 6)	4.00	7.20	2.00	7.20	Disbursed
Battambang	392L	ASDVM Co., Ltd (Project 7)	-	-	82 pole	-	Disbursed
	493L	Mrs. Loeurng Ly (Project 3)	-	-	30 pole	35 pole	Disbursed
	493L	Mrs. Loeurng Ly (Project 4)	0.50	3.60	0.50	3.60	Disbursed
Kampong Cham	060L	Mrs. Aam Sreng (Project 5)	11.05	3.40	11.05	3.40	Disbursed
Kampong Chhnang	041L	Ty Sokun Enterprise (KST) Electricity Co., Ltd. (Project 4)	9.05	9.80	9.05	9.80	Disbursed
	095L	Mrs. Chan Simoly (Project 6)	-	-	4.35	6.00	Disbursed
	119L	Mr. Un Sothea (Project 2)	19.20	21.01	19.20	21.01	Disbursed
	416L	Mr. Ozoly (Project 6)	13.32	8.45	13.32	8.45	Disbursed
	429L	Mrs. En Chantha (Project 2)	-	-	38 pole	208 pole	Disbursed
Kampong Thom	063L	Sin Soksas Electric Power Enterprise (Project 6)	-	-	16.85	-	Disbursed
	326L	Vanna Lai Him Electricity Enterprise (Project 3)	6.50	12.70	6.50	12.70	Disbursed
	368L	Miss Tan Kimbouy (Project 7)	4.00	5.00	4.00	5.00	Disbursed
Kampot	044L	Teuk Chhou Electric Company (Project 10)	16.80	20.55	6.50	10.20	Disbursed
Koh Kong	370L	Koh Kong District Electricity Company (Project 3)	5.30	-	5.30	-	Disbursed
	371L	Heng Family Electric City Co., Ltd. (Project 3)	-	-	444 pole	93 pole	Disbursed
	418L	Mrs. Chheng Touch (Project 5)	8.50	15.00	8.50	15.00	Disbursed



Pursat	397L	Mr. Pav Vuthea (Project 5)	1.40	6.20	1.40	6.20	Disbursed
Rattanakiri	333L	O Yadao Electricity Co., Ltd. (Project 2)	2.40	1.80	-	-	On going
Siem Reap	035L	Vorn Virak Service Company (Project 7)	10.50	11.50	10.50	11.50	Disbursed
	229L	Mr. Khan Keo (Project 5)	-	-	6.00	12.00	Disbursed
	240L	Heang Kimheng HS Power Co., Ltd. (Project 9)	6.00	19.00	6.00	19.00	Disbursed
<b>Total II</b>			<b>118.52</b>	<b>145.21</b>	<b>133.02</b>	<b>151.06</b>	
			<b>263.73</b>		<b>284.08</b>		
<b>Total I+II</b>			<b>388,52</b>	<b>284.53</b>	<b>565.27</b>	<b>389.87</b>	
			<b>672.95</b>		<b>955.14</b>		

Remark: \* Area of supply in 2 provinces and \*\* area of supply in 3 provinces.

**Annex 15**

**List of villages covered under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas, funded by EDC and KfW, in 2022**

No.	Province/City	Villages	Communes	District	License No.	License
<b>I Fund by Electricité Du Cambodge (EDC)</b>						
1	Banteay Meanchey	Kouk Kraol, Kouk Ta Reach, Srah Chik, Paoy Snuol, Srah Chhuk Khang Kaeut	Srah Chik	Phnum Srok	081L	Mr. Moun Han (Project 6)
		Kamping Puoy	Phnum Dei			
		Banteay Thmei, Prasat, Yeang Dangcum	Ou Bei Choan	Ochrov	276L	Mr. Chun Rithy (Project5)
		Kare Pir	Paoy Char	Phnum Srok	389L	Mrs. Men Chansokol (Project4)
		Kare Pir	Paoy Char	Phnum Srok		
		Kouk Khvav, Kouk Samraong, Dang Rek, Thma Romiel Kaet, Prasat Tbeng, Moha Srab	Banteay Chhmar	Thma Puok	389L	Mrs. Men Chansokol (Project5)
		Sameakki	Kouk Romiet			
		Kasen	Kumru			
2	Battambang	Kandal Steung, Thvak	Andaeuk Haeb	Rotanak Mondol	069L	Mr. Nob Bin (Project 9)
		Srah Kaev	Kampong Preah	Moung Ruessei	246L	Mr. Samnang Sathia (Project5)
		Prey Touch, Thmei	Prey Touch			
		Tuol Prum Pir	Kakaoh			
		Andoung Neang, Boeng Anlok	Kdol Tahen	Bavel	270L	Electrical Otaki Trading (EOT) Co.,Ltd (Project6)
		Slab Pang, Ta Ngaen, Paoy Svay, Prey Phdau	Ta Kream	Banan		
		Popeal Khae, Ou Ta Ki, Tras	Ou Ta Ki	Thma Kuol		
		Sang Reang, Svay Chrum, Doun Avav	Bavel	Thma Kuol	282L	Mrs. Soeurn Sophornnara (Project 5)
		Rung Ampil, Ballang Mean Chey, Khnach Romeas, Kaoh Ream	Khnach Romeas			
		Svay Sar, Prakeab	Rung Chrey			
		Rung Chrey, Ballang Kraom, Kouk Khpos	Rung Chrey	Thma Kuol	283L	Akisni Aun Yon Co.,Ltd

		Toul Ta Sokh, Kaong Kang, Spean, Prey Leav	Bansay Traeng	Koas Krala	302L	(Project 3)
		Hab	Hab			Akisni R Y Power Co.,Ltd (Project 4)
		Ruessei Preah, Prey Sen, Banteay Char, Chhnal Moan	Chhnal Moan			
		Ou Da	Mean Chey	Samlout	392L	ASDVM Co., LTD (Project7)
		Ta Sanh khang Tboang	Ta Sanh			
		Bueng Run	Samlout			
		Ou Samrel	Ou Samrel			
		Svay Chrum, Ou Choam Kandal, Ou Choam Kraom	Kampong Lpou			
		Phlov Meas	Phlov Meas			
3	Kampong Cham	Trapeang Chhuk, Toub, Ou Beng	Me Sar Chrey	Steung Trang	060L	Mrs. Eam Sreng (Project 4)
		Srab	Soupheas			
		Phnum Ampil	Preaek Kak			
		Sangkaeub, Sambour, Veal, Balang	Sambour	Batheay	216L	Sambo Electricity Co.,Ltd (Project 5)
		Pring Chrum	Pring Chrum	Cheung Prey	286L	Mrs. Sou Rong (Project 7)
		Damnak Ampil, Kdoy	Sdaeung Chey			
		Pra Ten, Ang, Kngaok	Trapeang Kor	Steung Trang	369L	Dy Piseth Enterprise (Project 5)
		Tuol Roka, Dei Leu, Peam Knong	Peam Kaoh Sna			
		Preah Andoung Ti Mouy	Preah Andoung			
		Bak Phnum, Ou Mal	Batheay	Batheay	400L	Mr. Hong Sengkry* (Project 7)
4	Kampong Chhnang	Dangkhaui Mau, Ou Rumchek, Sanlong, Chak	Chak	Baribo	040L	Electricity P G K H Co.,Ltd (Project 9)
		Ta Bang, Svay Koy, Kaev Lat, Cheung Khnar	Ponley			
		Dak Por, Kansaeng, Trapeang Pou, Lbaeuk	Khon Rang			
		Cheang Luong	Popel			
		Royeas, Traeng, Trapeang Thma	Chhean Laeung	Samakki Meanchey	393L	Mr. Cheng Chhorng* (Project 5)
		Royeas	Chhean Laeung	Samakki Meanchey	393L	Mr. Cheng Chhorng* (Project 6)

		Stueng Snguot	Ampil Tuek	Kampong Tralach	400L	Mr. Hong Sengkry* (Project 7)
		Srah Kaev	Melum	Baribo	429L	En Chantha Electricity Enterprise (Project 3)
		Thmei, Phasr, Prey Ta Mung, Kbal Thnal	Phsar			
		Angk, Sala Khum	Popel			
		S'ang, Trapeang Ampil, Prey Sampov, Chor	Prasneb	Rolea Bier		
5	Kampong Speu	Damnak Trach, Trapeang Khlong, Mean Chey, Peam Khvav, Dambouk Rung	Dambouk Rung	Phnum Sruoch	136L	Mr. Men Khunthea (Project 7)
		Koun Trom	Ou	Phnum Sruoch	237L	Akisani Prey Rumdul Co.,Ltd (Project 4)
		Prey Totueng, Krang Kor, Doung, Banteay Roka, Prey Kahiech, Dak Por	Krang Dei Vay			
		Srae Chrov, Sdok Chrey	Tang Samraong			
		Krang Chek, Thmei	Chambak			
		Srae Choam, Prey Romiet	Prey Rumduol	Aoral	385L	Chan Kimeng Electricity Co.,Ltd (Project 4)
		Sameakki	Reaksmei Sameakki			
		Trapeang Leaph, Mkak, Mon, Prey Veav	Thommoda Ar	Samraong Tong	435L	Mrs. Keo Ceda**(Project 2) Last Payment
		Kriel Buos	Prey Kmeng	Phnum Sruoch		
		Samraong, Kbal Damrei	Trapeang Chour	Thpong	393L	Mr. Cheng Chhorng* (Project 5)
		Romiang Sar, Kreil Pong	Ta Sal			
		Lor, Chambak Sa, Thmei, Tuek Long Muoy, Tuek Long Pir, Trapeang Baek	Rung Roeang	Thpong	393L	Mr. Cheng Chhorng* (Project 6)
		Tbaeng, Rung	Yuth Sameakki			
		Prey Veang	Prambei Mom	Thpong	393L	Mr. Cheng Chhorng* (Project 6)
		Kraviek	Yea Angk			
6		Ba Kong, Ta Ream	Tbaeng		228L	

	Kampong Thom	San Kor Ka, Ampil, Krasang Kha, Krasang Ka, Sleang Khpos, Kbel, Prasat, Sampov Meas, Veal Balang	San Kor	Kampong Svay		T.K.T.D Electricity Enterprise (Project 6)
		Ta Aong, Boeng	Chaeung Daeung	Baray	367L	Mr. Soeun Sophal (Project 9)
		Pongro Ling, Rung, Roleab, Krava	Krava			
		Bak Sna Kraom, Bak Sna Leu, Trapeang Tuk	Bak Sna			
		Lbaeuk, Anlong Veang, Veal Thum, Ta Pov	Kokir Thum			
7	Kampot	Preaek Ampil, Kilou Dabpir	Kaoh Touch	Toek Chhou	042L	Akisani Trapeang Ropov Co.,Ltd* (Project 2)
		Changhaon, Preaek Tnaot	Preaek Tnaot			
		Roluos	Boeng Tuk			
		Ta Phol, Prey Khcheay	Snay Anhchet	Chum Kiri	044L	Akisani Toek Chhou Co.,Ltd (Project 9)
		Prey Veang	Srae Knong			
		Trapeang Skon	Trapeang Reang			
		Kandal	Chumpu Voan	Chhuk		
		Satv Pong, Chrey	Satv Pong			
		Ta Mom, Prey Phchum	Baniev			
		Bot Trasek, Tvear Thmei	Prey Thnang	Toek Chhou		
		Thmei, Chbaampov	Thmei			
		Bos Ninh	Koun Satv			
		Trapeang Pring Khang Cheung	Trapeang Pring	Angkor Chey		
		Trapeang Run, Ou Mkak, Dambouk Khpos	Dambouk Khpos			
8	Kandal	Preaek Thaong	Preaek Luong	Khsach Kandal	347L	7NG Group Co.,Ltd (Project 2)
		Preaek Lvea	Preaek Ta Kov			
		Puk Ruessei Leu, Puk Ruessei Kraom, Krouch Saeuch, Anhcheang Leu, Anhcheang Kraom	Puk Ruessei	Khsach Kandal	511L	Mrs. Hau Vaytrin
9	Koh Kong	Anlong Vak	Ta Tai Kraom	Koh Kong	370L	Koh Kong District Electricity Co.,Ltd (Project 2)
		Dei Tumneab, Koh Kong Knong, Preaek Angkonh, Trapeang Rung	Trapeang Rung			

10	Kratie	Changhab, Srae Traeng, Ou Ta Noeng, Srae Sbov	Kbal Damrei	Sambour	346L	Mrs. Chea Sokheng (Project 5)
		Ou Krieng, Pon Ta Chea	Ou Krieng			
		Srae Roluos, Pakleae	Roluos Mean Chey			
		Bay Samnom	Kaoh Khnhaer			
		Srae Tnaot, Ampok	Srae Chis			
		Phum15, Phum16, Phum17, Phum21	Kronhoung Saen Chey	Snuol	352L	Mr. Kang Kimang
11	Preah Vihear	Aekakpheap, Tomnub	Pal Hal	Preah Vihear City	031L	Akisani Preah Vihear Co.,Ltd (Project 2)
		Veal Thum	Choam Khsant	Choam Khsant	162L	Mrs. Leap Sreyorng (Project 3)
		Trapeang Thum, Chat Tang	Tuek Kraham			
		Srae	Rumdoah Srae	Kuleaen	172L	Mrs. Ou Kimsieng (Project 2)
		Sambo, Srayang Cheung, Srayang Tboung, Mrech	Srayang			
		Robonh	Tuek Kraham	Choam Khsant	405L	Mrs. Keo Sovanny (Project 4)
		Te Chour Morokot, Kbal Damrei	Morokot			
		An Ses	Choam Khsant	Choam Khsant	446L	Mrs. Veng Dyna
12	Prey Veng	Pou, Prey Phum, Chhnoeng Chumnir, Thommeak Ker	Kanhchriech	Kanhchriech	208L	Keo Chamreun Electricity Enterprise (Project 2)
		Kbal Damrei, Chhkoes	Thma Pun			
		Svay Run, Kouk Kong Kandal, Kouk Kong Tboung, Svay Chek, Khtom Liv, Svay Toul, Prey Chak, Tuol Popel, Trapeang Prasrae Kaeut, Trapeang Pi, Trapeang Prasrae Lech, Trapeang Ruessei, Damnak Snuol	Kouk Kong Lech			
		Thnal Baek, Ta Reach, Khnay Kov, Svay Chek	Tnaot			
		Kampong Slaeng, Toap Sdach, Krang	Theay	Ba Phnum	284L	Mr. Long Hay (Project 4)

		Angkor K'aot, Trapeang Kdam, Prey Mul, Boeng, Prey Chrum, Ampil Toul	Prey Totueng	Me Sang	320L	Mr. Eng Hou (Project 2)		
		Angk Preah, Boeng Antong, Mean Chey	Chres					
		Pou Pat, Prey Khnes Ka, Prey Khnes Kha, Sanloun Leab, Sla, Sanlung, Kaev Sna, Trapeang Phlong, Svay Chour, Kruos, Sambour, Trapeang Preah Muoy, Ou Sangkae	Prey Khnes	Me Sang	336L	Mr. Heang Phally (Project 5)		
		Thlok	Spueu Kha	Ba Phnum				
		Lpeach, Ta Mau, Ruessei Chour, Ta Chey	Boeng Preah					
		Svay Pok, Krang, Snuol, Spueu Kaeut, Ta Laon, Kalei Tboung	Spueu Ka					
		Krasang	Chiphoch					
		13	Pursat	Say	Prongil	Phnum Kravanh	331L	Mr. Lim Pak (Project 7)
				Boeng Smok	Svay Sa	Krakor	383L	Mrs. Khim Hieng (Project 7)
Kbal Teahaen, Dangkieb Kdam, Cham Chas, Cham Thmei, Bamnak, Tean Prey, Kandal, Tuol Tbaeng, Kapas, Kapas Leu, Phteah Chek, Chheu Tep	Chheu Tom							
Aekakpheap, Kandal, Sangkom Thmei	Thma Da			Veal Veang	396L	Mrs. Pai Sopanha (Project 2)		
Chhay Kandal, Kien Chongruk	Ou Saom			Veal Veang	397L	Mr. Pav Vuthea (Project 4)		
Romlech	Krapeu Pir			Veal Veang	404L	Mr. Heng Chanthavy (Project 3)		
14	RatanaKiri	Yeon, Kak	Yeon	Bar Keo	291L	Mr. Samrit Horn (Project 2)		
		Phum Muoy, Khmang	Laming					
15	Siem Reap	Phchoek Chroum, Kramoum Baul, Ou Ta Kok	Kantuot	Svay Leu	406L	Mrs. Loeung Sitha		
16	Preah Sihanouk	Mondol Pir	Kampenh	Stueng Hav	030L	Mr. Meng Tharith		
		Mondol Muoy, Mondol Pir, Mondol Bei, Mondol Buon	Tumnob Rolok					

		Preaek Pras	Tuek Thla	Prey Nob	042L	Akisani Trapeang Ropov Co.,Ltd* (Project 2)
		Tuol, Chrolong	Tuek L'ak			
		Boeng Reang, Ta Aong Thum	Sameakki			
		Smach Daeng	Ream	Prey Nob	478L	VRTN Co.,Ltd**(Project 3)
17	Svay Rieng	Chong Preaek, Ream Sena, Trapeang Bos, ROUNG SNAO, Trapeang Choar, Thmei, Bos Kokir	Andoung Pou	Romeas Haek	319L	Khmer Utility Trading (K U T) Company Ltd (Project 7)
		Thlok Pring, Trapeang Rumpeak, Chea Theach, Kranhung, Thmei, Ta Suos, Trapeang Svay, Trapeang Kralanh, Kor	Doung			
		Mream Khang Cheung, Boeng Phe	Mream			
18	Takeo	Prey Mlob, Chrey Kouk Pou, Neak Ta Tbal, Kampong Youl	Kouk Pou	Bourei Cholsar	022L	Mr. Kong Phat (Project 3)
		Angk Krouch, Mean Kor, Snay Duoch, Daeum Kor, Preaek Khsach, Bourei Cholsar	Bourei Cholsar			
		Niel, Trapeang Ruessei, Trapeang Chak, Yeay La, Chrey Tnaot, Trapeang Khlout, Trapeang Kaes	Tram Kak	Tram Kak	121L	Electricity Tramkak Co.,Ltd (Project 5)
		Ou, Daeum Pou, Pech Changva, Prey Prum, Samchat, Trapeang Krouch, Prey Kabbas Ka, Prey Kabbas Kha, Prey Kabbas Ko	Prey Kabbas	Prey Kabbas	195L	Mr. Ouch Kea (Project 2)
		Phasr Chreae, Ba Noy, Svay Pear, Pring	Angkanh			
		Svay Cheung	Ba Srae			
		Trapeang Kralanh, Sokram	Ou Saray	Tram Kak	197L	Electricity Ang Roka Enterprise* (Project 7)
		Phlov Louk, Trapeang Robang	Trapeang Kranhung			
		Prey Preal, Prakeab, Trapeang Prei, Trapeang Chhuk	Trapeang Thum Khang Tboung			
		Prey Ta Dok, Krang Banteay	Samraong			
		Andoung Thma, Trapeang Thma, Angk Ta Ngel, Krang Ta Chan	Kus			
		Mrum	Ta Phem			



		Ponley Tboung, Sramok, Thlok Yol, Samraong	Ponley	Angkor Borei	238L	Mrs Tuy Sophanny (Project 3)
		Prey Phkoam, Prey Phkoam Kha, Prey Phkoam Ko	Prey Phkoam	Angkor Borei	273L	Mr. Chea Sovannara (Project 2)
19	Tboung Khmum	Kouk Char, Sieng Khveang, Kouk Srok	Kouk Srok	Dambae	308L	Mrs. Phin Thai (Project 4)
		Svay Pak, Char Thum, Stueng Ta Thok, Cheach Thum, Cheach Cheung, Cheach Kaeut, Ta Meakh, Ta Ream, Kouk Sralau, Ponleak	Chong Cheach			
		Tuek Chrov, Trabaek	Tuek Chrov			
		Trapeang Chrey, Khnor, Pongro	Neang Teut			
		426 Village	147Communes	51District	58 License	
II Funded By Kreditanstalt für Wiederaufbau (KfW)						
1	Banteay Meanchey	Soea, Say Samorn	Soea	Mongkol Borei	324L	Mrs. Khiev Sokha* (Project 6)
2	Battambang	Ou Chrab, Samlout, Bueng Run	Samlout	Samlout	392L	ASDVM Co., LTD (Project 6) Second Payment
		Kanh Chaang, Kandal, Chamkar Chek, Srae Reach	Sung			
		Svay Sa	Traeng	Rotonak Mondol	493L	Mrs. Loeurng Ly (Project 2)
3	Kampong Cham	Ou Beng, Trapeang Chhuk, Bos Pou	Me Sar Chrey	Stueng Trang	060L	Mrs. Eam Sreng (Project 5)
		Toub, Soupheas, Dei Kraham	Soupheas			
		Phnum Ampil	Preaek Kak			
4	Kampong Chhnang	Daeum Popel	Thma Edth	Kampong Tralach	041L	Ty Sokun (T.S.K) Electricity Co.,LTD (Project 4)
		Sala Lekh Pram	Ou Ruessei			
		Chres, Chumteav Chreaeng, Ou kakhob, Krang Lvea, Thnal	Krang Lvea	Sameakki Mean Chey	095L	Mrs. Chan Simoly (Project 6)
		Andoung Chrey	Andoung Snay			
		Mean Chey, Popel Pok, Kouk Banteay	Kouk Banteay			
		Chea Rov, Andoung Chroh, Prey Khmaer	Rolea B’ier			
		Krang Skear	Krang Skear	Tuek Phos	119L	Mr. Un Sothea (Project 12)

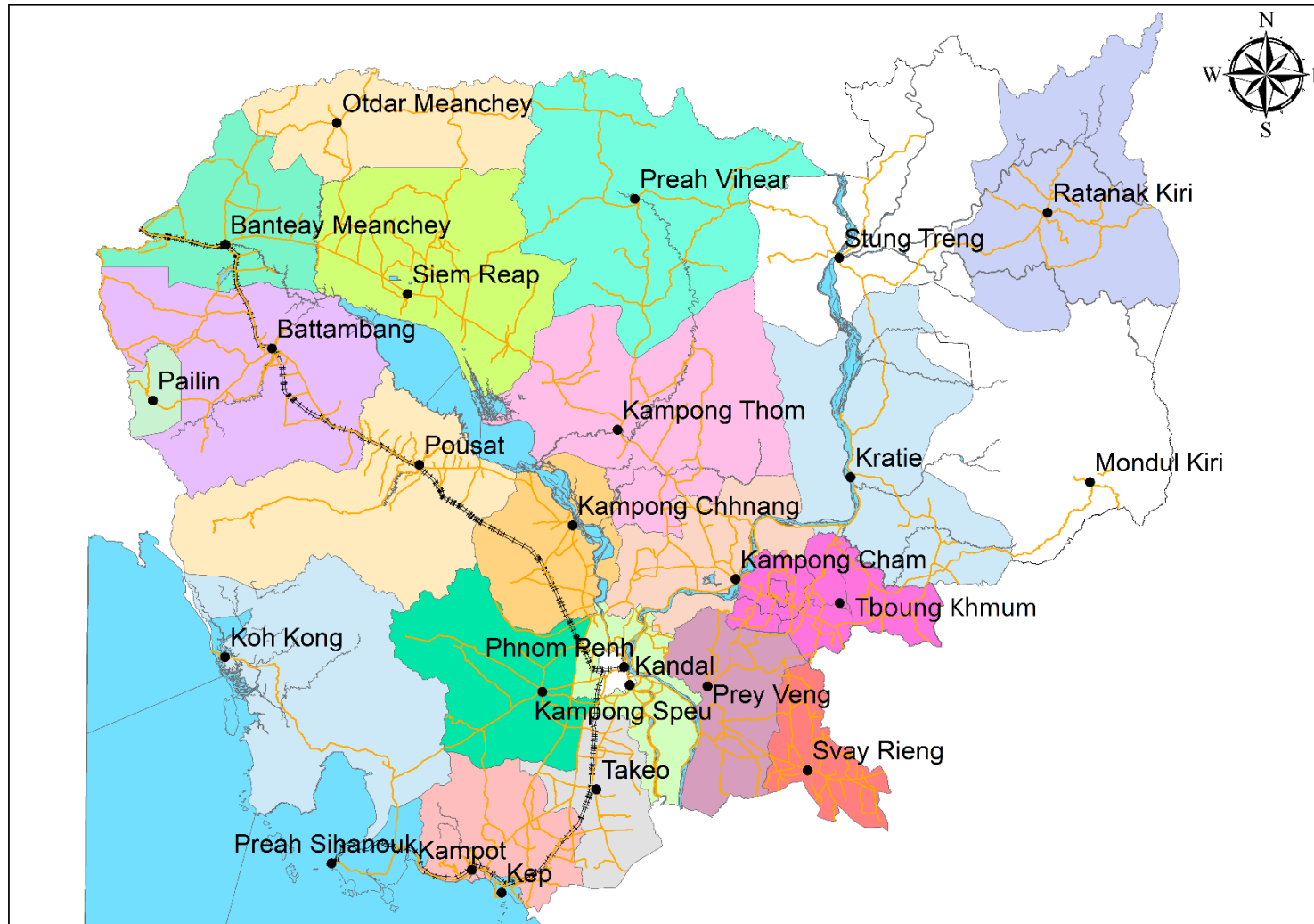
		Veal Sbov	Tang Krasang				
		Trapeang Krabau	Khlong Popok				
		Khvit Toul Khliang, Thnal Keng	Kbal Tuek				
		Tbeang Khpos, Chambak Kantreanh	Tang Krasang	Tuek Phos	416L	Mr. Or Joly (Project 6)	
		Sophie	Cheungokreav				
		Srangam Ter, S'ang, Prey Sampov, Chor, Prasneb	Prasneb	Rolea B'ier	429L	Mrs. En Chantha (Project 2) Last Payment	
5	Kampong Thom	Roka, Svay Sa, Kampong Chen	Kampong Chen Tboundg	Stoung	063L	Sin Soksan Electri Power Enterprise (Project 6)	
		Chheuteal, Leap Tong	Trea				
		Tnaot Kom, Pradet, Slak Kranh	Samprouch				
		Bat Trang, Kampong Pradam, Kouk Trea, Msa Krang Tboundg, Mas Krang Cheung, Sambour Cheung, Sambour Tboundg, Chim	Msar Krang				
		Ou Angkor	Sa Kream	Prasat Ballangk	368L	Miss Tan Kimbouy (Project 7)	
		Kraya Tboundg	Kraya				
6	Kampot	Tuol, Trapeang Kokir	Lbaeuk	Chhuk	044L	Akisani Toek Chhou Co.,Ltd (Project 10)	
		Krasang	Chhuk				
		Krang Mdeng	Krang Sbov				
		Angk Ropeak, Khcheay Khang Kaeut, Trapeang Seh	Damnak Sokram	Dang Tong			
		L'ang	L'ang				
		Koun Satv	Koun Satv	Tuek Chhou			
		Dei Bak	Kandaol				
		Kampong Trach Khang lech	Kampong Trach Khang lech	Kampong Trach			
		Chamkar Svay	Pong Tuek				
7	Koh Kong	Prolen, Kandaol	Kandaol	Botum Sakor	371L	Heng Family Electricity Co.,Ltd (Project 3)	
		Thma Sa	Thma Sa				
		Andoung Tuek, Prateal, Ta Ok	Andoung Tuek				
		Trapeang Kandaol	Chi Kha Leu	Srae Ambel			

		Preah Angk Kaev, Thorng, Ta Ni	Dang Peaeng			
		Preak Cheak, Nea Pisei	Chi Kha Kraom			
		Tuek L'ak, Kaoh	Chi Phat			
8	Pursat	Chhay Kandal, Kien Chongruk	Ou Saom	Veal Veang	397L	Mr. Pav Vuthea (Project 5)
9	Siem Reap	Kouk Doung Thmei, Kamblaeub	Kouk Doung	Angkor Chum	035L	Vonn Vireak Service Co.,Ltd (Project 7)
		Chhuk	Trei Nhoar	Puok		
		Prasat	Chob Ta Trav	Angkor Thum		
		Khmar Roveas	Khun Ream	Banteay Srei	240L	Heang Kimheng H S Power Co.,Ltd* (Project 9)
		Srae Pou	Srae Nouy	Varin		
		Bet Phka, Chob Leu	Svay Leu	Svay Leu	229L	Mr. Khean Kev (Project 5)
		Ta Penh, Thma Chruonh, Anlong Thum	Khnam Phnum			
10	Oudor MeanChey	Ph'av	Ph'av	Trapeang Prasat	240L	Heang Kimheng H S Power Co.,Ltd* (Project 9)
<b>Total</b>		<b>100 Villages</b>	<b>43 Communes</b>	<b>17 District</b>	<b>14 License</b>	
<b>Overall</b>		<b>526 Villages</b>	<b>190 Communes</b>	<b>68 District</b>	<b>72 License</b>	

Remark: - Out of the 526 villages, four were implemented under the budget provided by Electricite du Cambodge and funded by the German Development Bank.  
- \* Area of supply in 2 provinces \*\* Area of supply in 3 provinces

# Annex 16

Map showing the provinces for which REF provided assistance to improve existing and develop electricity infrastructure in rural areas, funded by EDC and KfW, in 2022



**Annex 17**

**Provincewise summary information on customers having electricity connection for agriculture category and service location under special preferential rate of 480 riels per kWh for the use of electricity during night time from 9:00 p.m. to 7:00 a.m. in EDC's supply area during 2022**

No.	Branch / Unit - Province	Customers	ID	Other customers before switching or Request for renewal		Really kind of agriculture	Agriculture Area		
				Before switching	Connected customers New current		Villag	Communes	District
1	EDC-Chak Angre Krom	C.P CAMBODIA COMPANY	19658411	Commercial	-	Poultry farm	Plov BeTong	Takhmao	Takhmao
		C.P CAMBODIA COMPANY	16598413	Commercial	-	Poultry farm	Plov BeTong	Takhmao	Takhmao
		NOV ENG	11779610	House	-	Fish farm	#1066A Plov 2	Takhmao	Takhmao
2	EDC-O Dim	DEANG LOUN	41592510	Business	-	Fish farm	#860 Plovlom	-	Sen Sok
		OUM SAVOEUN	46009110	Business	-	Fish farm	#860 Plovlom	-	Sen Sok
3	EDC-Brand	CHAN VUTHY	651380	RIEL-SMALL COMMERCIAL	-	Rice Processing	Domnakta Yerng	Choum Chov	Por SenChey
		Chan Kimrithy	323652	\$US-MV COMMERCIAL	-	Slaughterhouse	Bonla SaEt	Khmounh	Sen Sok
4	EDC- Watphnom	CHHOUN SOTH	15980010	Business	-	Pig farm	PlovLom 00010	-	Rusey Keo
5	EDC EDC- KampongSpeu	Meng Louch	25027380	House	-	Mango Farm	Plov 44	Tap Meas	Tpong
		Kaing Tung	25035183	Agriculture	-	Pig farm	-	Ktom Krang	Sam Raongtong

		Kaing Somaly	25036929	Agriculture	-	Pig farm	Sob Ngo	Ktom Krang	Sam Raongtorng
		Hean Chenda	25023882	Business	-	Pig farm	Plov44	Tang Krouch	Sam Raongtorng
		Chang Touch	25036083	Agriculture	-	Pig farm	O NeangHing	Tang Krouch	Sam Raongtorng
		Yim Poy	25036768	Agriculture	-	Pig farm	Ta Mol	Chbamorn	Chbamorn
		Lilaville	25036308	Agriculture	-	Pig farm	Toul	Mo Hasang	Phnom Srouch
		Ly Hang	25033825	Trade	-	Pig farm	Srey Sompoang	Ktom Krang	Sam Raongtorng
		Khieu Somaly	25034617	Trade	-	Pig farm	Ta Sal	Ktom Krang	Sam Raongtorng
		Kiv Pheng	25030861	Business	-	Pig farm	Plov Lom	Ktom Krang	Sam Raongtorng
		Pich Mony Co, .LTD	25031933	Agriculture	-	Pig farm	Trapang Dongteuk	Tap Meas	Thpong
		Kaksethan ChenchemSat	25035404	Agriculture	-	Pig farm	-	Ka Heing	Sam Raongtorng
		Chan Soheat	25015684	Business	-	Pig farm	Plov 04	Ka Heing	Sam Raongtorng
		Hong Touch	25034680	Trade	-	Pig farm	Plov Lom	Tang Krouch	Sam Raongtorng
		Kong Keo	25029476	Business	-	Poultry farm	Plov Lom	Ktom Krang	Sam Raongtorng
		Oknha Kok An	25016138	Trade	-	Poultry farm	Plov 04	O	Phnom Srouch
		Beng Heng Vannak	25026084	Industry	-	Poultry farm	-	Pheam	Samaki MeanChey
		Luy Hak	25022639	Business	-	Pig farm	Plov Lom	Chbar Morn	Chbar Morn

		Phnom Penh Sugar Company	25037535	Agriculture	-	Sugarcane farm	O Snoul	Tap Meas	Thpong
		Heng Lay Chhong	25035163	Business	-	Pig farm	Jrork Bansok	Ktom Krang	Sam Raongtorng
		Narupa	25022506	Business	-	Pig farm	Plov Lom	Chbar Morn	Chbar Morn
		Kim Theng	25035171	Agriculture	-	Poultry farm	Trapang lerk	Roka Thom	Chbar Morn
		Betagro (Cambodia)	25035055	Agriculture	-	Pig farm	Tuek Sa uy	Tompore Meas	Sam Raongtorng
		Prum Noeun	25034991	Agriculture	-	Poultry farm	Krang Mkak	Tang Krouch	Sam Raongtorng
6	EDC-Kampot	Chea Saovna	33040581	Agriculture	-	Pig farm	-	Trapang Rang	Chum Kiri
7	EDC- Kratie	Duch Monireak	72022762	Business	-	Pig farm	-	Jak Trong	Chet Bokrey
		Meng Monireak	72025959	Business	-	Pig farm	-	SamBok	Chet Bokrey
		Sun Huy Teang	72025276	Business	-	Poultry farm	-	Jak Trong	Chet Bokrey
		Ek Kim Sour	72024637	Business	-	Cow farm	-	Thmar Kre	Chet Bokrey
8	EDC-Tboung Khmom	Green Fit Company	45064751	Industry	-	Pig farm	-	Rom Chek	Memot
		Chaiwat Nak Nakha	45063118	Industry	-	Pig farm	-	Tonlong	Memot
		Veng Savath	45050746	Industry	-	Poultry farm	-	Sra Lob	Memot
		Veng Savath	45075385	Business	-	Poultry farm	-	Trapeang Pring	Crack
		Sao Savin	45067853	Business	-	Poultry farm	-	Trapeang Pring	Crack
9	EDC-Battambang	San Chesta	5306816510	Business	-	Fish farm	O Mony 1	Anlong Vil	SangKe
		Ung Chhiv Meng	5305775510	Business	-	Fish farm	Prey Konsek	O Ja	Battambang
		Chang Kun Meng Rice Mill	5305154110	Industry	-	Rice mill	Svay At	Svay At	Pursat

		Chang Kun Meng Rice Mill	5306485610	Industry	-	Rice mill	Svay At	Svay At	Pursat
		Se Chamroeun	5304909910	Industry	-	Rice mill	Svay At	Svay At	Pursat
		Rice Bank of Cambodia Plc.	5306832310	Industry	-	Rice mill	Hai San	Chrey	Thmor Koar
		Green community	5301765811	Industry	-	Rice mill	Prey Konsek	O Ja	Battambang
10	EDC-Banteay Meanchey	Ung Vutheara	54040954	Business	-	Pig farm	-	Kampong Svay	Serey Sophorn
11	EDC-Sihanoukville	MPSCM Group	34044954	Business	-	Pig farm	-	TaNei	Prey Nub
		Meng Monirak	34029524	Business	-	Pig farm	-	Cherng Koar	Prey Nub
12	EDC-Rattanakiri	Mo Saokri	75022524	Business	-	Planting bananas	-	Jak Teuk	Bor Keo
		Chhun Kaing	75020762	Business	-	Planting bananas	-	Ka Janh	Ban Lung
		Huy Hing	75026881	Business	-	Planting bananas	-	Pa Chun	O Chum
		Mauch Vei	75015746	Business	-	Planting bananas	-	Jak Teuk	Bor Keo
		Nhem Hay	75015556	Business	-	Planting bananas	-	Ka Janh	Ban Lung
13	EDC- Siem Reap	Tang Chay	6310961410	Agriculture	-	Pig farm	Khmar	Khmar Kandal	Banteay Srei
		Tang Chay	6310999810	Agriculture	-	Pig farm	Rovieng Tum	Rom Chek	Banteay Srei
		Sin Nary	6308868710	Agriculture	-	Poultry farm	Ram Chek	Rom Chek	Banteay Srei
		Thy Ratha	6304148310	Business	-	Fish farm	Prey Kroch	Kra Bey Real	Siem Reap
		Chea Sui Ang	6310908910	Agriculture	-	Pig farm	Ou Mnous	Khmar Kandal	Banteay Srei
		Mean Samon	6310603710	Industry	-	Poultry farm	Pak Sneing Thmey	Pak Sneing	Angkor Thom
		Ping Karo	6309457810	Agriculture	-	Poultry farm	Tbeing Kert	Tbeng	Banteay Srei
		Pich Dara	6310995910	Agriculture	-	Pig farm	Tbeing Kert	Tbeng	Banteay Srei



		Saing Siv Nhem	6310001510	House	-	Dried fish and sausage	Ta Vien	Sala Kamroeuk	Siem Reap
		Po Wa	6309323010	Agriculture	-	Poultry farm	Tbeing Kert	Tbeng	Banteay Srei
		Lee Sunleng	6311062710	Agriculture	-	Pig farm	Rovieng Tum	Rom Chek	Banteay Srei
		Po Wa	6311377710	Agriculture	-	Poultry farm	Tbeing	Tbeng	Banteay Srei
		Kem Ang	6310942410	Agriculture	-	Pig farm	Porng Teuk	Chob Trav	Angkor Thom
		Lim Piseth	6310961610	Agriculture	-	Pig farm	Rovieng Tum	Rom Chek	Banteay Srei
		Ti Suki	6310942210	Agriculture	-	Pig farm	Khnar	Khnar Kandal	Banteay Srei
		Chhou Sophea	6310554410	Industry	-	Pig farm	Svay Chek	Svay Chek	Angkor Thom
14	EDC- Stung Treng	Chea Wutty	7402548612	Agriculture	-	Pig farm	O Ray	O Ray	That Labrivat
		Men Samith	7402600010	Agriculture	-	Pig farm	Sam Arng	Sam Arng	That Labrivat
		Lim Pong	7402580010	Agriculture	-	Poultry farm	Otrell	That Labrivat	That Labrivat
		Lim Pong	7402177310	Agriculture	-	Pig farm	Kang Dis	Preah Bart	Stung Treng
		Sok Sarach	7402820010	House	-	Poultry farm	Reachanukul	Stung Treng	Stung Treng
		Nguyen Van Choeung	7401602611	Agriculture	-	Planting bananas and Pig farm	O'Svay	O'Svay	Borey Ou Svay Sen Chey
				<b>79 Customers</b>	-				
		<b>Total</b>		<b>79 Customers</b>					

**Annex 18**

**Provincewise summary information on customers having electricity connection for agriculture category and service location under special preferential rate of 480 riels per kWh for the use of electricity during night time from 9:00 p.m. to 7:00 a.m. in licensee's supply area during 2022**

No.	Province	License	License No.	Customers already switching or New connected to Agriculture type		Agricultural type	Agriculture Area		
				Switching from others to gricultural customer	New Connection		Villag	Communes	District
1	Kampong Chhnang	Ty Sokun Company(TSK) Electricity Co., Ltd.	041L	Chea Rady	-	Pig farm	Nakta Hoang	Kampong Tralach	Kampong Tralach
2	Kampong Speu	Samreth Kiri Electricity Development Enterprise	155L	Yeung Vann	-	Poultry farm	ChomTok Man	Domnak Rang	Oudong
				Yeung Chhorvy	-	Poultry farm	ChomTok Man	Domnak Rang	Oudong
				Nang Ratana	-	Poultry farm	ChomTok Man	Domnak Rang	Oudong
				Hun Kim Lon (2)	-	Poultry farm	Sdock	Domnak Rang	Oudong
				Hour Wei	-	Poultry farm	Chambok Run	Domnak Rang	Oudong
				Hour Wei	-	Poultry farm	Chambok Run	Domnak Rang	Oudong
				Lang Keung A	-	Poultry farm	Sdock	Domnak Rang	Oudong
				Lang Keung	-	Poultry farm	Sdock	Domnak Rang	Oudong
				Hor Meng Hour A	-	Pig farm	Trapeang Smach	Domnak Rang	Oudong

				Hor Meng Hour	-	Pig farm	Trapeang Smach	Domnak Rang	Oudong
				Lee Siek Hong	-	Poultry farm	Sdock	Domnak Rang	Oudong
				Lee Kim Tha	-	Poultry farm	Sdock	Domnak Rang	Oudong
				Sem Sido A	-	Pig farm	Svay	Yeay Ang	Tpong
				Sam Sido	-	Pig farm	Trapang Mean	Krang Chek	Oudong
3	Kandal	Electricity Enterprise Heng Huot	264L	Agri Master Co,ltd Company	-	Animal feed factory	Prek Lvea	Prek Taten	Ponhea Ler
4	Pursat	Nareth Electricity Development Limited Enterprise	052L	-	Kiv Thida	Water pump for farm irrigation	Sthan Ni	Kandeang	Kandeang
				-	Kiv Thida	Water pump for farm irrigation	Kho	Lor lork Sor	Pursat
				-	Kiv Thida	Water pump for farm irrigation	Psar Ler	Lor lork Sor	Pursat
				-	Rin Barang	Pumping water for farming	Kho	Lor lork Sor	Pursat
				-	Kiv Thida	Fish Farming and Pumping water for farming	Lor lork Sor	Lor lork Sor	Pursat
				<b>16 Customers</b>	<b>5 Customers</b>				
		<b>Total</b>		<b>21 Customers</b>					

**Annex 19**  
**Provincewise summary information on licensees having installed Prepaid TOU Meters and the number of TOU Meters installed under licensee's supply area in 2022**

<b>Province</b>	<b>Area of supply</b>	<b>License No.</b>	<b>Name of Licensee</b>	<b>Source of Supply</b>
Kandal	Some part of Lvea Eam District	355L	Chor Veng Nguon Enterprise	EDC
	Some part of Lvea Eam District	355L	Chor Veng Nguon Enterprise * (Project 2)	EDC
Prey Veng	Some parts of Por Reang, Pea Raing District	355L	Chor Veng Nguon Enterprise	EDC
	Some parts of Por Reang, Pea Raing District	355L	Chor Veng Nguon Enterprise * (Project 2)	EDC
TaKeo	Kampong Krasaing commune, Borey Chulsar district	194L	Mr. Rov Trouhuot	Mr. Mak Khom

Remark: \*Area of supply in 2 provinces, \*\* area of supply in 3 provinces.

**Annex 20**

**Provincewise summary information on licensees, having installed Prepaid TOU Meters in their area of supply and present position in 2022**

Province	License No.	Name of Licensee	TOU (set)		Remak
			Requested by licensee	Installed	
Prey Veng	355L	Chor Veng Nguon Enterprise	20	20	Installed
	355L	Chor Veng Nguon Enterprise * (Project 2)	40	40	Installed
Takeo	194L	Mr. Rov Tro Huot	3	3	Installed
	<b>Total</b>		<b>63</b>	<b>63</b>	

Remark: \*Area of supply in 2 provinces, \*\* area of supply in 3 provinces.

### Annex 21

#### Provincewise list of villages, in which the Prepaid TOU Meters have been installed under licensee's supply area in 2022

No.	Province/City	Villages	Communes	District	License No.	License
1	Prey Veng	Po Rieng Cheung, Po Rieng Tbong, Yeay Sol	Po Rieng	Po Rieng	355L	Chor Veng Nguon Enterprise
		Po Rieng Cheung, Po Rieng Tbong, Yeay Sol	Po Rieng	Po Rieng	355L	Chor Veng Nguon Enterprise * (Project 2)
2	Takeo	Kdol Chrum, Thmor Bei Dom	Kampong Krasang	Borey Chulsar	194L	Mr. Rov Tro Huot
		<b>5 Villages</b>	<b>2 Communes</b>	<b>2 District</b>	<b>2 License</b>	

Remark: \*Area of supply in 2 provinces, \*\* area of supply in 3 provinces.