



# Electricité Du Cambodge

## Department of Rural Electrification

### Report on Transferring the Real Benefits to the Rural Population for the Year 2021



Compiled by Department of the Rural Electrification Fund  
2022



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



It gives me great pride to present the annual report of Department of Rural Electrification Fund of EDC (hereinafter called "REF") titled "Transferring the Real Benefits to the Rural Population for the year 2021". REF was established to accelerate the development of rural electrification with the aim to assist the rural population in the Kingdom of Cambodia to have access to electricity for their use.

In 2021, EDC provided REF a fund of KHR 495.56 Billion and Kreditanstalt für Wiederaufbau (KfW) provided REF a fund of KHR 3.16 Billion, totaling KHR 498.72 Billion, for extending the benefits of electrification to the population in rural area.

This fund was used by REF for providing benefit to the rural population throughout the Kingdom of Cambodia through implementation of the following 7 programs:

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 for their houses from grid supply by providing interest free loan to meet the costs for connection fees, deposit, equipment and the installation of wires from the connection point to its house and costs for purchase of materials and labor for the installation of in-house wiring.
2. **Program for Solar Home System (SHS):** The purpose of this program is to facilitate the remote rural household, which may not have access to the electricity network for a long period, to access electricity through SHS.

During 2021, REF has installed total 4,270 SHS, which consist of (i)- 2,612 SHS-500Wp with 4L AC rice cookers under EDC's fund and (ii)- 346 SHS-500Wp with 4L AC rice cookers and 1,312 SHS-50Wp under KfW's fund as grant to rural households.

3. **Program for Providing Assistance to Improve Existing and Develop new Electricity Infrastructure in Rural Areas:** The purpose of this program is to facilitate the private electricity supplier in rural areas having legal license to access fund for investing on expansion of electricity supply infrastructure to fully cover its authorized distribution area in order to allow all rural households in the authorized distribution area to have access to electricity for their use.

During 2021, 103 licensees have directly benefited from this program by constructing 2,605.27 km long lines.

4. **Program for providing subsidy to the licensees 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 2021 in provinces and cities:** The purpose of this program is to provide subsidy to the licensees connected to the grid system 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 2021 in provinces and cities.

During 2021, out of 332 licensees in rural areas, REF has provided subsidy to 331 licensees (1 licensee has not furnished the required data and application for subsidy yet), and out of the 65 licensees supplying electricity in the markets, REF has provided subsidy to 62 licensees (3 licensee have not been provided subsidy by REF as the tariff calculated by EAC on the basis of their cost of supply and their tariff are equal).

5. **Program for Promoting Access to Grid Electricity for ID Poor Households (P2P for ID Poor HH) under Output Based Aid (OBA):** The purpose of OBA Program is to facilitate the ID Poor Households in rural areas to have access to electricity for their house from grid supply by providing a subsidy of USD 100 per household through the electricity suppliers to meet costs for the equipment and the installation of wires from the connection point to its house and costs for purchase of materials and labor for the installation of in-house wiring.

During 2021, 962 rural families' equivalent to 4,425 persons have directly benefited from this program.

6. **Power to the Poor Program by Providing of \$50 Subsidy per Households:** The purpose of this Program is to facilitate the Poor Households in rural areas to have access to electricity for their house from grid supply by providing a subsidy of \$50 per household through the electricity suppliers to meet costs for the equipment and the installation of wires from the connection point to its house and costs for purchase of materials and labor for the installation of in-house wiring.

During 2021, 296 rural families' equivalent to 1,362 persons have directly benefited from this program.

7. **Program for Providing Electricity for Pumping for Agricultural Irrigation Uses:** The purpose of this program is to facilitate access to electricity from the grid system for agricultural irrigation uses at concessional rate of 480 riels per kWh for use during night time from 9:00 p.m. to 7:00 a.m. and normal rate per kWh for use during day time from 7:00 a.m. to 9:00 p.m.

During 2021, REF has constructed MV and LV electricity infrastructures for giving power supply to pumping for agricultural irrigation equivalent to the line length of 390.83 km.

The above efforts have resulted in many direct and indirect benefits for millions of households across the country. This is clearly, a concrete and real progress in helping Cambodia build a stronger foundation for a sustainable economy and for social development of the country.

This report "Transferring the Real Benefits to the Rural Population for the year 2021" is compiled, in Khmer and English.



We are also grateful to the Board of Directors of EDC for their valuable input, support and guidance in transferring the real benefits to the rural population through development of electricity in Cambodia by EDC.

**Minister attached to the Prime Minister**  
**Managing Director of Electricité du Cambodge** *For*



KEO ROTTANAK

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## **Chapter 1**

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

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

Electrical energy is a vital need for the society and economy. Electrical energy, not only provides livelihood to the people engaged in its generation and/or supply, but also is an essential product to drive development of various other sectors of the nation. Therefore, development of the electrical energy sector is a crucial key to power economic growth, develop other sectors including rural sector and improve the living standards of the citizens of Cambodia. During the sixth mandate of the National Assembly, **the Royal Government of Cambodia** has the ambition to manage and strengthen the development of electrical energy sector in order to “reach and achieve the supply of sufficient, sustainable, reliable, quality and affordable electrical energy 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 over:

- Priority 1 - Continue 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 - Continue 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 - Continue 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 - Continue 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 electrical sector of the Royal Government, has set out 9 items 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 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 economy of citizens at 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 at 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 to reduce electricity price further, aiming to facilitate the citizen livelihood 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 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 environments 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 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 has 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 works 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 is a big step of the RGC to attract and encourage the private sector to invest in electric power infrastructure in rural areas in order to accelerate the development of electricity in rural areas so that more poor people in the rural areas can access electricity for lighting, commercial use, handicraft and other purposes for improving their standard of living and for the general interest of the society.

#### 2.2 Organization Structure

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

#### 2.3 Library

REF has also its own library for public who wishes to understand about REF's activities, report 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 fund for REF<sup>2</sup> are as follows:

1. Social budget package provided in electricity tariff of EDC and other donations of EDC, if any.
2. Donations and grants whose sources and terms are acceptable to the 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**

In 2021, REF's funding is from EDC and Kreditanstalt für Wiederaufbau (KfW). During this year, EDC has provided a fund of KHR 495.56 Billion, KfW has provided a fund of KHR 3.16 Billion, totaling KHR 498.72 Billion, for extending the benefits of electrification to the population in rural area. The fund provided by EDC is also for 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 Reduction the Rate and Gap of the tariff for sale of the electricity in the Kingdom of Cambodia for the year 2015 to 2021 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 Promoting Access to Grid Electricity for ID Poor Households (P2P for ID Poor HH) under Output Based Aid (OBA).
6. Power to the Poor Program by Providing of \$50 Subsidy per Households, and
7. Program for Providing Electricity for Pumping for Agricultural Irrigation Uses.

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<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 price for economic, social and household uses, thus contributing to poverty reduction.
2. To promote and encourage private sector to participate in providing sustainable rural electrification services; in particular the exploitation of 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 price for economic, social and household uses.
2. Providing support for the preparation and implementation of rural electrification projects.
3. Promoting and facilitating the poor households in rural areas to have access to electricity for their houses from grid supply by providing interest free loan and providing a subsidy.
4. Promoting and facilitating the remote rural household, which may not have access to the electricity network for a long period, access electricity through Solar Home System.
5. Promoting and facilitating the private electricity supplier in rural areas having legal license to access fund for investing on expansion of electricity supply infrastructure to fully cover its authorized distribution area in order to allow all rural households have access to electricity for use.
6. 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 2021 in provinces and cities, to the licensees connected to the grid system for reduction of tariff for sale of electricity in rural areas.
7. Promoting and facilitating to access electricity from the grid system for agricultural irrigation uses at concessional tariff rate for use during night time from 9:00 p.m. to 7:00 a.m and normal rate for use 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 fund are made available by different sources.

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

In 2021, REF is implementing the following programs:

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

### **3.3.1 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 for their houses from grid supply by providing interest free loan to meet (i)- costs for the connection fees of the electricity supplier, (ii)- costs for deposit to be deposited with the electricity supplier, (iii)- costs for purchase of materials and labor for the installation of wires from the connection point to its house, and (iv)- costs for purchase of materials and labor for the installation of in-house wiring.

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

The purpose of this program is to facilitate the remote rural household, which may not have access to the electricity network for a long period, access electricity through SHS.

### **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 the private electricity licensee in rural areas having legal license to access fund for investing on construction of electricity supply infrastructure to fully cover its authorized distribution area in order to allow all rural households have access to electricity for use.

### **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 2021 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 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 2021 in provinces and cities, to the licensees connected to the grid system for reduction of tariff for sale of electricity in rural areas.

### **3.3.5 Program for Promoting Access to Grid Electricity for ID Poor Households (P2P for ID Poor HH) under Output Based Aid (OBA)**

The purpose of OBA Program is to facilitate the ID Poor Households (the eligible beneficiary) in rural areas by helping eligible low-income and vulnerable households to have access to electricity for their houses from grid supply by providing subsidy of \$100 per household through the electricity suppliers to meet (i)- costs of materials and labor for the installation of service wires for service line within a length of 150m from the connection point to ID Poor house, and (ii)- costs of materials and labor for the installation of in-house wiring.

EDC has provided a fund of \$300,000 for implementation of this program throughout the country. The target number of the ID Poor HH beneficiaries under this OBA program is 3,000 HHs.

### **3.3.6 Power to the Poor Program by Providing of \$50 Subsidy per Households**

The purpose of This Program is to facilitate the Poor Households (the eligible beneficiary) in rural areas by helping eligible low-income and vulnerable households to have access to electricity for their houses from grid supply by providing subsidy of USD 50 per household through the electricity suppliers to meet (i)- costs of materials and labor for the installation of service wires for service line

within a length of 150m from the connection point to Poor house, and (ii)- costs of materials and labor for the installation of in-house wiring.

EDC has provided a fund of USD 250,000 for implementation of this program throughout the country. The target number of the ID Poor HH beneficiaries under this OBA program is 5,000 HHs.

### **3.3.7 Program for Providing Electricity for Pumping for Agricultural Irrigation Uses**

The purpose of this program is to facilitating to access electricity from the grid system for agricultural irrigation uses at concessional tariff rate for use during night time from 9:00 p.m. to 7:00 a.m and normal rate for use during day time from 7:00 a.m. to 9:00 p.m.

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

### **3.4.1 Criterion for P2P Program**

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

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

Criterion for REEs are as follows:

- Having license for providing electric power from Electricity Authority of Cambodia (EAC) and license term is at least 5 years.
- Operating in rural area which get grid supply.
- Maintaining correct accounting statement to show the viability of their operation.
- Responsible to collect back the payment in installments from the rural household (HH) and transfer to REF's account on time.
- Responsible to any losses caused by non-payment by rural HH except if REF agrees to eliminate the debt.
- Agree to execute contract: (i) - Contract for Soft Loan from REF for Connection of Electricity Supply, (ii) - Contract between REF and REE for utilizing soft loan under P2P Program, (iii) - Principles for implementation of P2P Program by providing soft loan to poor households in rural areas for connection of electricity supply, and other concerning documents under P2P Program.

#### **B. Criterion for rural Household (HH)**

Criterion for rural HH are as follows:

- Rural 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 payback in monthly installment within maximum period of 36 months.
- The Amount of this loan shall not exceed 480,000 Riels per household.
- Agree to execute contract: (i) - Contract for Soft Loan from REF for Connection of Electricity Supply, (ii) - Principles for implementation of P2P Program by providing soft loan to poor households in rural areas for connection of electricity supply, and other concerning documents under P2P 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: Area with high density of population having economic efficiency**

REF will provide the guarantee on loan 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 Electricity Authority of Cambodia (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 loan will be only for investment in electricity supply infrastructure in rural areas connected from the grid or supplying power through isolated system.
4. The licensee can use this loan for investment on Medium Voltage (MV) and Low Voltage (LV) electricity supply infrastructure in its authorized licensed area, both for the development of new electricity infrastructure and for improving the existing electricity infrastructure in its authorized licensed area.
5. The licensee shall agree to execute a contract and other legal documents with EDC for the guarantee on the loan from bank and with bank for getting the loan.
6. 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.
7. Source of funds for this implementation is from local banks.

#### **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**

REF will provide interest free assistance for investment on electricity infrastructure in rural areas with medium density of population.

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 budget is for investment on construction of electricity infrastructure in rural areas connected from the grid only.
4. The licensee can use this 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 in its authorized licensed area.

5. The licensee applies for interest free assistance 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 in consultation with EAC and sanctions the appropriate amount of interest free assistance to be provided in installment and sign contract for disbursement and repayment. The amount of interest free assistance shall not exceed \$300,000 (three hundred thousand). The licensee is required to contribute at least 20% of the project costs. 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 assistance.
7. The licensee applies to REF for disbursement of interest free assistance 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 assistance when the full amount of interest free assistance is repaid back in installment by the licensee.
8. The interest free assistance provided under this scheme will be interest free.
9. The amount of the interest free assistance will not exceed \$300,000 per project. The licensee may request for other new project for consideration of REF when required.
10. In the case of existing licensee, 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 interest free assistance will not exceed 750% of the cost of the proposed electricity infrastructure of the licensee as assessed by EAC.
11. The repayment period shall not exceed 8 years or the validity of license on the date of application for assistance whichever is earlier.
12. The licensee shall agree to execute the contract and other legal documents with REF.
13. 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**

REF will provide part of the infrastructure cost as grant and part of the cost as interest free assistance for investment on electricity infrastructure in rural areas. The total amount, both grant and interest free assistance, hereafter is called “budget assistance”.

Criterion for area No. 3 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 budget assistance 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 budget assistance for investment on MV and LV electricity supply infrastructure in its authorized licensed area.
5. The licensee applies for interest free assistance 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 in consultation with EAC and sanctions the appropriate amount of the budget assistance to be provided in installment and sign contract for disbursement and repayment. The amount of interest free assistance shall not exceed USD 300,000 (three hundred thousand). The licensee is required to contribute at least 20% of the project costs. 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 budget assistance.
7. The licensee applies to REF for disbursement of budget assistance 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 assistance when the full amount of interest free assistance 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 interest free assistance provided under this scheme will be interest free.
9. The amount of budget assistance will not exceed USD 300,000 per project. The licensee may request for other new project for consideration of REF when required.
10. 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.
11. The repayment period shall not exceed 8 years or the validity of license on the date of application for assistance whichever is earlier.
12. The licensee shall agree to execute the contract and other legal documents with REF.
13. Source of funds is from EDC and KfW.

### **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 2021 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 so that the criterion is as per decision of EAC<sup>4</sup> from time to time.

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<sup>4</sup> Decision 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.

### **3.4.4 Criteria for Program for Promoting Access to Grid Electricity for ID Poor Households (P2P for ID Poor HH) under Output Based Aid (OBA)**

Criterion for implementing the program is as follows:

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

Criterion for REEs are as follows:

- Having license for providing electric power from Electricity Authority of Cambodia (EAC).
- Project is implemented in rural area 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 ID Poor Households under ADB-REF 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 ADB-REF 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 ADB-REF Output Based Aid Electricity Access Program, and Related documents required by REF.

### **3.4.5 Criteria for Power to the Poor Program by Providing of \$50 Subsidy per Households**

Criterion for implementing the program is as follows:

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

Criterion for REEs are as follows:

- Having license for providing electric power from Electricity Authority of Cambodia (EAC).
- Project is implemented in rural area 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.

#### **3.4.6 Criterion for Program for Providing Electricity for Pumping for Agricultural Irrigation Uses**

The program is applicable for grid supply only so that the criterion is as per decision and the Procedure for Providing Electricity for Pumping for Agricultural Irrigation Uses<sup>5</sup> of EDC and EAC from time to time.

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<sup>5</sup> Procedure for Providing Electricity for Pumping for Agricultural Irrigation Uses in 2016.

## 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 2021 are as follow:

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

##### 4.1.1 Progress, Achievement and Analysis of P2P Program

In 2021, No contract for new electricity connection to rural households because no REEs applied.

#### 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 for providing services of transportation, installation, collection of payback in installment and maintenance of SHS.

##### 4.2.1 Progress, Achievement and Analysis of SHS Program for 2020

Three types of SHS, (i)- 5,000 SHS-80Wp, (ii)- 4,000 SHS-200Wp and (iii)- 1,000 SHS-325Wp with 4L AC Rice Cooker, totaling 10,000 SHS, was initially planned to be implemented in 2020, but due to delay in the procurement process, installation of SHS under this program was carried out in 2021.

To facilitate the purchasers and ensure that the SHS installed at rural HHs, operates well and to collect the payback amount in instalments from the purchasers, EDC has executed a contract with Lighting Engineering & Solutions for providing services of transportation, installation, and maintenance of 5,000 SHS-80Wp, 4,000 SHS-200Wp and 1,000 SHS-325Wp 4L AC Rice Cooker, totaling 10,000 SHS.

Provincewise information on 9,933 SHS installed to rural HHs in 2021 is given in **Table 1** below.

**Table 1: Provincewise information on 9,933 SHS installed to rural HHs in 2021**

No.	Province	Number of SHS installed
<b>SHS-80Wp</b>		
1	Battambang	713
2	Kampong Chhnang	66
3	Kratie	200
4	Preah Vihear	1,309
5	Mondul Kiri	797
6	Rotanak Kiri	950
7	Siem Reap	960
<b>Total SHS-80Wp</b>		<b>4,995</b>
<b>SHS-200Wp</b>		
1	Battambang	502
2	Kampong Chhnang	1,140
3	Kratie	1,109



4	Pursat	271
5	Stung Treng	730
6	Otdar Meanchey	246
<b>Total SHS-80Wp</b>		<b>3,998</b>
<b>SHS-325Wp with 4L AC Rice Cooker</b>		
1	Battanbang	340
2	Mondul Kiri	40
3	Pursat	560
<b>Total SHS-325Wp</b>		<b>940</b>
<b>Grand Total</b>		<b>9,933</b>

9,933 rural HHs are directly benefited by this program (one SHS per HH). According to Cambodia Inter-Censal Population Survey 2013 Final Report, the average household size in rural area is 4.6 persons. Hence the number of population directly benefited from this program is 45,692 persons.

Province-wise total number of villages and villages where the 9,933 SHS were installed in 2021 is given in **Table 2** below.

**Table 2: Province-wise total number of villages and villages where the 9,933 SHS were installed in 2021**

No.	Province	Total Number of Villages (Census)	Number of villages access electricity through SHS
1	Battambang	805	21
2	Kampong Chhnang	568	19
3	Kratie	253	16
4	Mondulkiri	92	9
5	Preah Vihear	232	20
6	Pursat	507	17
7	Ratanakiri	243	12
8	Siem Reap	930	10
9	Stung Treng	128	15
10	Oddar Meanchey	260	3
<b>Total</b>		<b>4,018</b>	<b>142</b>

List of villages in which 9,933 SHS have been installed in 2021 is given in **Annex 1**.

Map showing the provinces in which 9,933 SHS have been installed in 2021 is given in **Annex 2**.

#### **4.2.2 Progress, Achievement and Analysis of SHS Program for 2021**

The SHS program for 2021 is of two types (i)- 2,612 SHS-500Wp 4L AC Rice Cooker funded by EDC and (ii)- 346 SHS-325Wp 4L AC Rice Cooker and 1,312 SHS-50Wp materials funded by KfW as donation to rural HHs at remote areas.

In 2021, after going through the bidding process, EDC has executed a contract with Richgrid Technology Co., Ltd, for supplying 2,612 SHS-500Wp 4L AC Rice Cooker and Richgrid Technology Co., Ltd has already delivered the materials to EDC. This SHS program has been approved by EDC's management by allowing to change from sale subsidy to donation to rural HHs at remote areas in 2021.

For the supply of 346 SHS-325Wp 4L AC Rice Cooker and 1,312 SHS-50Wp materials to be funded by KfW are under the procurement process by EDC in order to recruit the firm for supply of these SHS materials.

To facilitate the beneficiaries and ensure that the SHS installed at rural HHs, operates well, EDC will recruit the firm for providing the transportation and installation of these SHS to the beneficiaries. After the procurement process is completed, EDC will implement the scheme in 2022.

#### **4.2.3 The challenges Faced in the Implementation of SHS Program**

The challenges faced in the implementation of SHS program are as follows:

- Purchaser requests to delay the payment due to not having money to repay.
- Purchaser can afford payment but unwilling to pay on the ground that another purchaser has not paid.
- Purchaser mishandles the SHS resulting in improper operation of the SHS and avoid payment on the ground that SHS is not operating.
- Purchaser migrates leaving behind very old or/and young person to look after the house who has no money for payment.
- Purchaser removes SHS unauthorizedly and take it to new in accessible place like farm, forest and mountain hence cannot be contacted to get payment.
- Purchaser go to the rice field by locking the house and theft steal the system (some agree to pay and some disagree to pay the remaining cost of the system),
- Purchaser leave the house when the Operator arrives or on the way to collect the money.
- Purchaser take some excuse to delay the payment to another day.
- The SHS is damaged by fires or lightning etc. and the purchaser refuses to pay the balance instalments.

To resolve the challenges, REF has gone to the site for resolution through friendly mutual discussion basis.

In spite of the above challenges, the implementation of this program can be considered satisfactory.

#### **Pictures of Solar Home Systems (SHS) installed under REF Program**





### 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 2021, REF has executed 140 contracts for providing assistance to improve existing and develop electricity infrastructure in rural areas with 117 licensees (2 licensees have executed 3 contracts and 19 licensees have executed 2 contracts ). Out of these, 122 contracts with 105 licensees are funded by EDC, 9 contracts with 8 licensees are funded by KfW and 9 contracts with 4 licensees are funded by EDC and KfW.

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 2021 is given in **Annex 3**.

Out of the 140 contracts, target was achieved within the contract period for 117 contracts, whereas 4 contracts have not been implemented by licensees (the contracts have been closed in 2021) and 9 contracts are going on to implement in 2022.

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 2021 is given in **Table 3** below.

**Table 3: 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 2021**

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)
Funded by Electricité du Cambodge (EDC)					
1	Banteay Meanchey	38.74	17.10	4.40	8.50
2	Battambang	152.70	132.30	104.10	111.32
3	Kampong Cham	78.52	55.68	139.09	55.68
4	Kampong Chhnang	73.85	47.96	73.85	47.96
5	Kampong Speu	65.53	91.56	38.70	71.87
6	Kampong Thom	227.49	121.40	227.89	103.40
7	Kampot	36.68	51.23	30.43	36.93
8	Kandal	37.93	21.78	23.18	16.20
9	Koh Kong	9.57	19.65	8.77	19.10
10	Kratie	109.91	3.15	109.91	3.15
11	Preah Vihear	56.32	8.80	24.70	5.30
12	Prey Veng	151.27	53.20	117.90	53.20
13	Pursat	154.01	29.90	162.91	33.00
14	Ratanakiri	17.92	-	13.92	-
15	Siem Reap	170.30	52.40	169.50	51.23
16	Preah Sihanouk	14.03	38.07	12.53	30.47
17	Svay Rieng	52.27	50.60	46.83	34.67
18	Takeo	62.16	52.15	49.40	38.17
19	Oddar Meanchey	23.70	47.20	26.10	49.10
20	Pailin	16.10	4.00	16.10	4.00
21	Tbong Khmum	49.40	56.25	53.72	43.40
Total I		1,598.40	954.38	1,453.93	816.65
		2,552.78		2,270.58	
Funded by Kreditanstalt für Wiederaufbau (KfW)					
1	Battambang	25.70	29.70	25.70	29.70
2	Kampong Chhnang	105.47	80.17	101.12	74.17
3	Kampong Thom	16.85	-	-	-
4	Koh Kong	33.70	6.20	33.70	6.20
5	Prey Veng	7.15	1.45	26.55	7.05
6	Siem Reap	6.00	12.00	30.50	-
Total II		194.87	129.32	217.57	117.12
		324.39		334.69	
Grand total		2,877.17		2,605.27	

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 2021 is given in **Annex 4**.

In 2021, 103 licensees have been directly benefited by 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 area so that more rural household can access grid quality electricity supply from the REEs.

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 2021 is given in **Table 4** below.

**Table 4: 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 2021**

No.	Province/city	Total number of villages (Census)	Number of villages access electricity	
			Funded by EDC	Funded by KfW
1	Banteay Meanchey	661	5	-
2	Battambang	805	59	2
3	Kampong Cham	916	97	1
4	Kampong Chhnang	568	47	29
5	Kampong Speu	1,362	46	-
6	Kampong Thom	742	180	-
7	Kampot	488	33	-
8	Kandal	918	26	-
9	Koh Kong	117	1	-
10	Kratie	253	7	-
11	Preah Vihear	232	4	-
12	Prey Veng	1,137	62	13
13	Pursat	510	45	-
14	Ratanak Kiri	243	7	-
15	Siem Reap	930	27	20
16	Preah Sihanouk	115	8	-
17	Svay Rieng	690	37	-
18	Takeo	1,119	32	-
19	Otdar Meanchey	260	25	-
20	Pailin	79	14	-
21	Tboung Khmum	853	41	-
<b>Total</b>		<b>12,998</b>	<b>803</b>	<b>65</b>
<b>Grant total</b>			<b>868</b>	

**Remark:** Out of 868 there are 2 villages in which program with funding from both EDC and KfW were implemented.

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 2021 is given in **Annex 5**.

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 2021 is given in **Annex 6**.

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

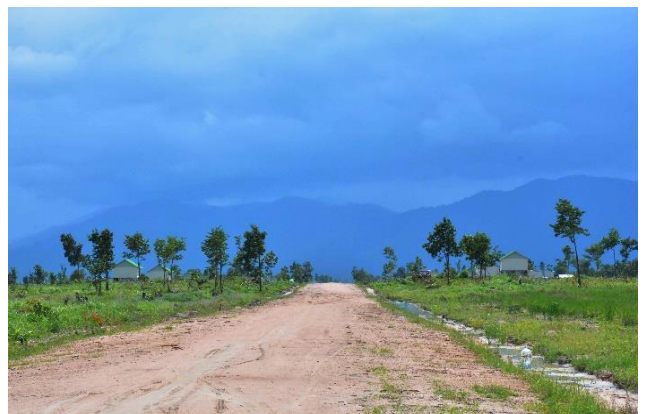
To ensure that the implementation of Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas is implemented in a transparent and proper manner, REF staff verified the construction of networks for all licensees who implemented this



program. Some physical activities of new network construction verification, before construction and after construction of electricity network, are shown pictorially below.

**Mr. Lim Pak (Project 7) having license No. 331L for Providing Electricity Service at Some part of some part of Phnom Kravanh District and Krong Pursat, Pursat Province**

**Before construction of electricity network site**





### After construction of electricity network site



#### **4.4 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 2021 in Provinces and Cities, to the Licensees connected to the Grid System for Reduction of Tariff for Sale of Electricity in Rural Areas**

In 2021, REF has provided subsidy to licensees for reduction of the rate and gap of tariff for sale of electricity in rural areas and the in the markets as below:

1. Out of 332 licensees in rural areas, REF has provided subsidy to 331 licensees and 1 licensee has not furnished the required data and application for subsidy,
2. Out of the 65 licensees in the markets, REF has provided subsidy to 62 licensees and 3 licensee have not been provided subsidy by REF as the tariff calculated by EAC on the basis of their cost of supply and their tariff are equal

Provincewise summary information on number of customer and quantity of energy for which REF has disbursed subsidy to the licensees in 2021 for the cycle 2020 is given in **Table 5a** and **Table 5b** and for the cycle 2021 is given in **Table 6a** and **Table 6b** below.



**Table 5a: Provincewise summary information on number of customer for which REF has disbursed subsidy to the licensees in 2021 (Cycle 2020)**

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	
1	Banteay Meanchey	11,563	47,595	24,009	4,388	352	87,907
2	Battambang	14,033	54,453	34,330	7,721	432	110,969
3	Kampong Cham	22,279	83,635	44,997	10,129	487	161,527
4	Kampong Chhnang	9,999	50,605	28,383	6,348	271	95,606
5	Kampong Speu	12,198	59,913	48,041	9,700	267	130,119
6	Kampong Thom	18,532	59,199	26,781	8,583	404	113,499
7	Kampot	13,273	51,242	31,922	6,905	232	103,574
8	Kandal	22,949	71,153	80,031	27,253	343	201,729
9	Koh Kong	1,411	4,678	4,993	2,137	67	13,286
10	Kratie	4,691	15,020	9,412	1,768	130	31,021
11	Mundol Kiri	-	-	-	62	-	62
12	Phnom Penh	3,783	6,842	15,056	24,247	-	49,928
13	Preah Vihear	4,885	14,627	8,932	5,691	163	34,298
14	Prey Veng	23,408	104,263	45,058	7,994	515	181,238
15	Pursat	9,941	41,417	23,970	7,960	322	83,610
16	Ratanak Kiri	613	3,113	2,588	1,468	56	7,838
17	Siem Reap	15,039	86,031	25,018	6,625	384	133,097
18	Preah Sihanouk	1,822	6,706	10,695	6,100	51	25,374
19	Stung Treng	473	1,565	1,473	475	19	4,005

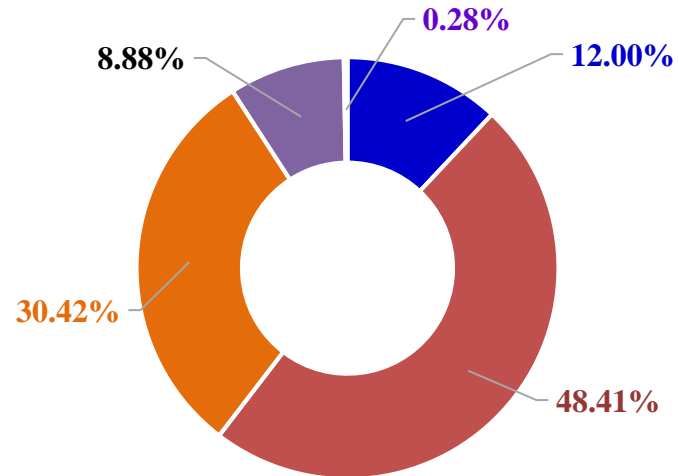
20	Svay Rieng	3,142	14,762	8,382	929	58	27,273
21	Takeo	18,687	80,435	63,882	12,135	326	175,465
22	Otdar Meanchey	3,231	10,270	5,975	2,458	125	22,059
23	Kep	793	3,908	5,197	1,635	17	11,550
24	Pailin	128	2,454	2,788	676	13	6,059
25	Tboung Khmum	13,970	57,098	33,092	7,424	388	111,972
<b>Total</b>		<b>230,843</b>	<b>930,984</b>	<b>585,005</b>	<b>170,811</b>	<b>5,422</b>	<b>1,923,065</b>
<b>Precentage</b>		<b>12.00%</b>	<b>48.41%</b>	<b>30.42%</b>	<b>8.88%</b>	<b>0.28%</b>	<b>100%</b>

**Table 5b: Provincewise summary information on quantity of energy for which REF has disbursed subsidy to the licensees in 2021 (Cycle 2020)**

No.	Province/ City	Energy (kWh)					Total Energy (kWh)
		≤10 kWh/month	11-50 kWh/month	51-200 kWh/month	>200 kWh/month	School Hospital and Health Center in rural area	
1	Banteay Meanchey	98,863	1,716,586	2,516,993	1,645,765	57,710	6,035,917
2	Battambang	62,597	1,556,081	3,154,021	2,067,351	49,202	6,889,252
3	Kampong Cham	113,178	2,437,336	4,370,891	3,172,088	61,544	10,155,037
4	Kampong Chhnang	50,594	1,350,117	2,491,171	1,921,099	32,288	5,845,269
5	Kampong Speu	66,052	2,251,670	6,163,721	4,628,856	71,560	13,181,859
6	Kampong Thom	94,237	1,590,211	2,431,906	2,239,841	33,617	6,389,812
7	Kampot	93,667	2,124,911	3,994,292	2,290,234	25,303	8,528,407
8	Kandal	85,753	2,766,453	10,002,505	9,075,983	59,515	21,990,209
9	Koh Kong	4,515	140,871	501,892	697,774	11,741	1,356,793
10	Kratie	23,226	405,437	880,127	548,291	12,977	1,870,058
11	Mundol Kiri	-	-	-	6,490	-	6,490
12	Phnom Penh	11,408	347,477	2,939,507	3,511,807	3,763	6,813,962
13	Preah Vihear	21,613	392,106	855,959	1,319,234	19,055	2,607,967
14	Prey Veng	108,331	2,678,967	3,662,893	1,826,798	78,785	8,355,774
15	Pursat	51,550	1,352,493	2,739,092	3,044,912	44,167	7,232,214
16	Ratanak Kiri	2,856	89,116	264,155	319,356	7,748	683,231
17	Siem Reap	85,956	1,661,034	2,378,988	1,927,842	71,569	6,125,389
18	Preah Sihanouk	5,046	210,209	1,103,176	1,514,451	4,696	2,837,578
19	Stung Treng	270	7,027	29,735	30,877	585	68,494

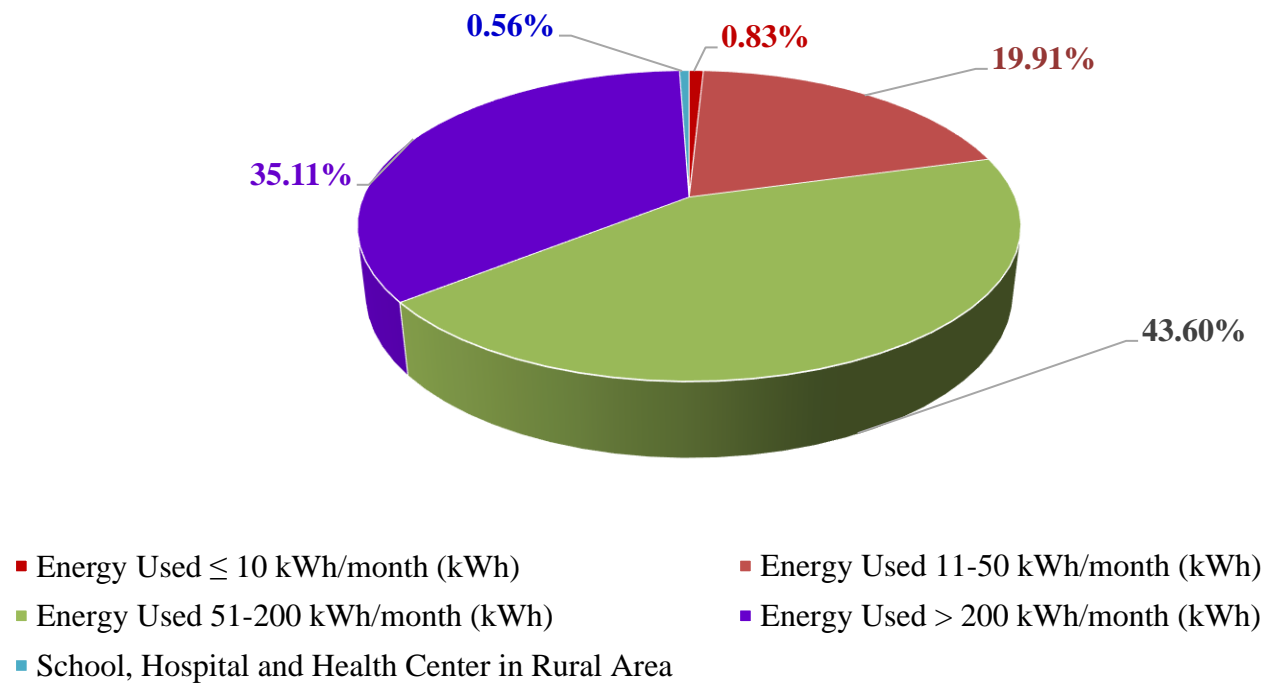
20	Svay Rieng	18,955	537,570	894,580	346,647	12,016	1,809,768
21	Takeo	72,796	2,318,190	5,498,094	3,226,206	58,618	11,173,904
22	Otdar Meanchey	18,278	280,579	605,255	917,970	25,431	1,847,513
23	Kep	2,595	123,280	525,087	630,280	1,069	1,282,311
24	Pailin	2,981	73,205	278,100	360,613	979	715,878
25	Tboung Khmum	71,378	1,601,804	3,072,604	2,138,629	40,285	6,924,700
<b>Total</b>		<b>1,166,695</b>	<b>28,012,730</b>	<b>61,354,744</b>	<b>49,409,394</b>	<b>784,223</b>	<b>140,727,786</b>
<b>Precentage</b>		<b>0.83%</b>	<b>19.91%</b>	<b>43.60%</b>	<b>35.11%</b>	<b>0.56%</b>	<b>100%</b>

**Graphic show Customer Esed Energy , which Disbursed by REF in 2021 (Cycle 2020), (%)**



- Customer Used Energy  $\leq 10$  kWh/month (kWh)
- Customer Used Energy 11-50 kWh/month (kWh)
- Customer Used Energy 51-200 kWh/month (kWh)
- Customer Used Energy  $> 200$  kWh/month (kWh)
- School, Hospital and Health Center in Rural Area

**Graphic show on Quantity of Energy Used , which Disbursed by REF in 2021 (Cycle 2020), (%)**



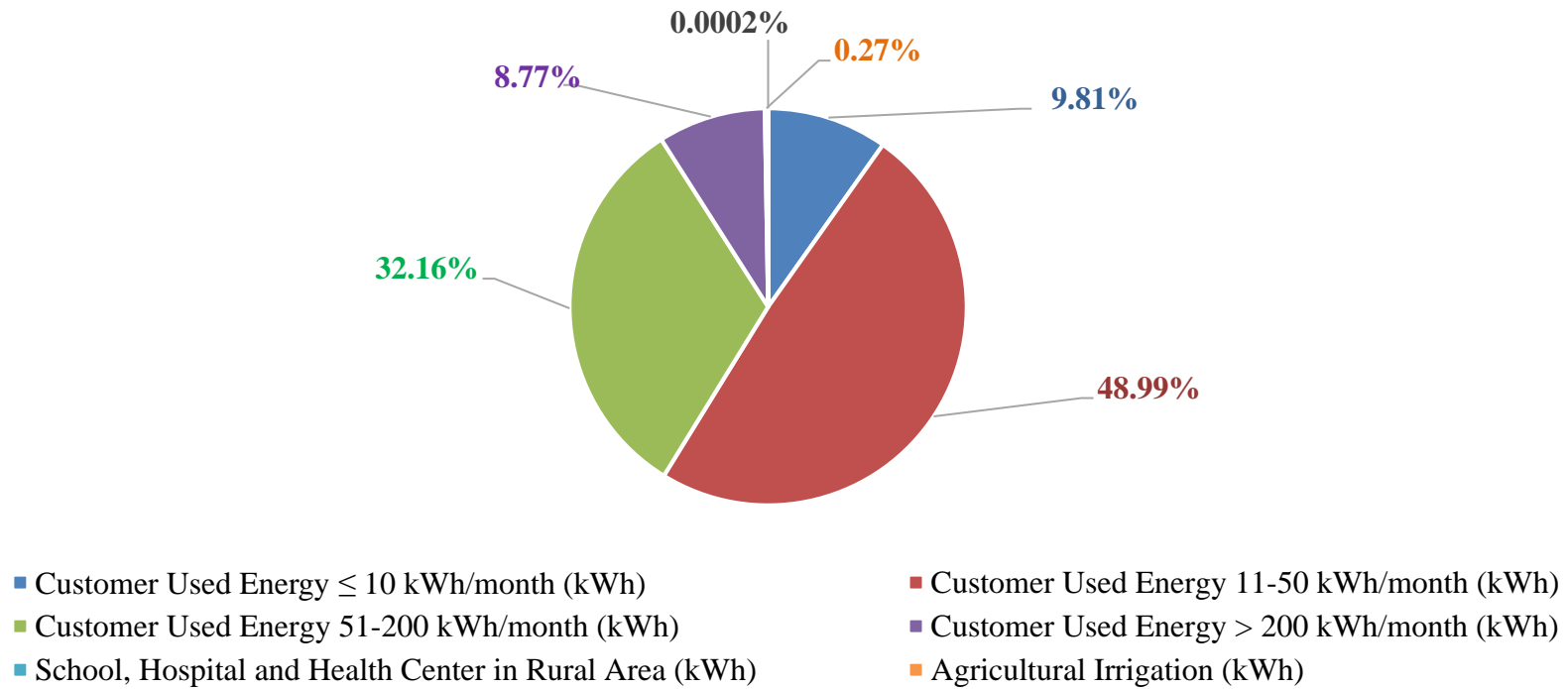
**Table 6a: Provincewise summary information on number of customer for which REF has disbursed subsidy to the licensees in 2021 (Cycle 2021)**

No.	Province/ City	Customer						Customer
		≤10 kWh/month	11-50 kWh/month	51-200 kWh/month	>200 kWh/month	School Hospital and Health Center in rural area	Agricultural Irrigation	
1	Banteay Meanchey	12,350	43,934	30,426	5,051	355	-	92,116
2	Battambang	16,168	269,676	53,275	12,512	537	-	352,168
3	Kampong Cham	19,249	82,176	56,042	11,413	521	-	169,401
4	Kampong Chhnang	9,646	51,454	34,847	7,671	298	-	103,916
5	Kampong Speu	11,183	54,068	47,582	12,285	289	-	125,407
6	Kampong Thom	16,220	63,476	35,321	10,014	441	-	125,472
7	Kampot	13,051	49,680	38,716	7,664	244	-	109,355
8	Kandal	26,473	71,461	101,221	30,981	391	-	230,527
9	Koh Kong	1,412	4,529	5,884	2,511	74	-	14,410
10	Kratie	4,028	15,277	17,915	2,425	137	-	39,782
11	Mundol Kiri	-	-	-	65	-	-	65
12	Phnom Penh	1,211	2,829	6,185	20,010	-	-	30,235
13	Preah Vihear	4,862	15,675	11,120	6,765	194	-	38,616
14	Prey Veng	21,407	100,538	60,366	9,552	542	-	192,405
15	Pursat	10,206	41,859	28,339	9,263	329	-	89,996
16	Ratanak Kiri	655	3,588	3,208	1,643	66	-	9,160
17	Siem Reap	12,367	59,061	34,358	8,384	426	-	114,596
18	Preah Sihanouk	1,939	5,870	11,844	6,853	53	-	26,559
19	Stung Treng	445	1,564	1,827	639	23	-	4,498

20	Svay Rieng	2,510	15,312	11,025	1,153	61	-	30,061
21	Takeo	17,172	72,067	72,455	13,574	381	5	175,654
22	Otdar Meanchey	2,435	10,305	8,052	2,972	141	-	23,905
23	Kep	884	3,434	5,982	2,115	34	-	12,449
24	Pailin	1,141	4,247	5,390	2,617	36	-	13,431
25	Tboung Khmum	13,020	56,900	40,166	8,638	389	-	119,113
<b>Total</b>		<b>220,034</b>	<b>1,098,980</b>	<b>721,546</b>	<b>196,770</b>	<b>5,962</b>	<b>5</b>	<b>2,243,297</b>
<b>Percentage</b>		<b>9.81%</b>	<b>48.99%</b>	<b>32.16%</b>	<b>8.77%</b>	<b>0.27%</b>	<b>0.0002%</b>	<b>100%</b>



Graphic show Customer Esed Energy , which Disbursed by REF in 2021 (Cycle 2021), (%)

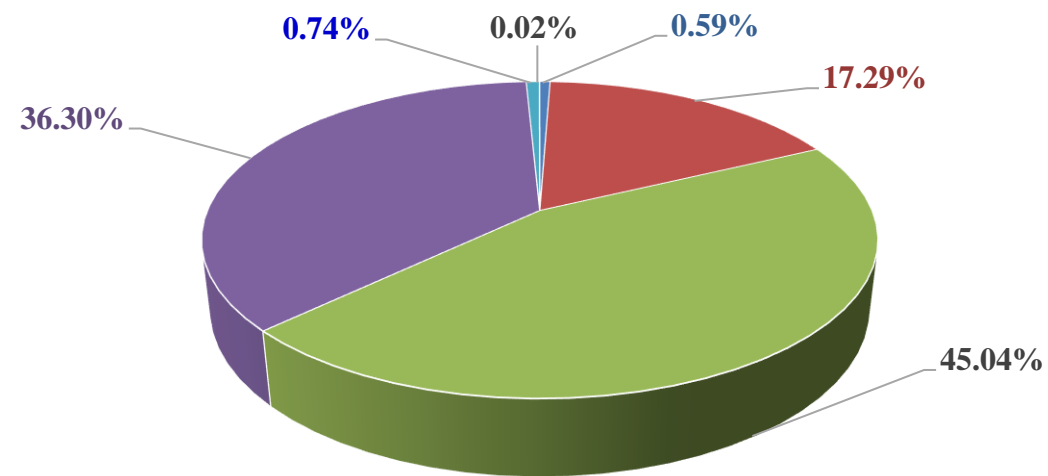


**Table 6b: Provincewise summary information on quantity of energy for which REF has disbursed subsidy to the licensees in 2021 (Cycle 2021)**

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 Irrigation	
1	Banteay Meanchey	526,580	13,758,628	29,890,533	17,712,014	858,067	-	62,745,822
2	Battambang	636,124	18,857,473	55,015,080	42,507,509	1,304,798	-	118,320,984
3	Kampong Cham	956,563	25,419,438	56,185,290	37,784,442	768,656	-	121,114,389
4	Kampong Chhnang	508,076	15,802,444	34,967,433	26,910,309	462,224	-	78,650,486
5	Kampong Speu	464,355	18,054,410	58,166,037	43,076,620	712,556	-	120,473,978
6	Kampong Thom	822,205	18,612,105	33,885,741	30,376,781	493,159	-	84,189,991
7	Kampot	558,853	15,284,083	37,331,248	22,065,169	248,834	-	75,488,187
8	Kandal	698,069	23,589,260	103,237,621	108,162,369	802,568	-	236,489,887
9	Koh Kong	44,968	1,549,777	6,146,366	8,252,357	170,179	-	16,163,647
10	Kratie	205,314	4,569,284	12,072,194	7,899,324	186,482	-	24,932,598
11	Mundol Kiri	-	-	-	20,017	-	-	20,017
12	Phnom Penh	24,496	921,501	6,342,777	14,065,396	7,941	-	21,362,111
13	Preah Vihear	193,009	4,575,522	11,720,047	18,299,736	551,281	-	35,339,595
14	Prey Veng	992,540	30,919,228	54,751,898	23,812,053	1,154,602	-	111,630,321
15	Pursat	452,484	12,650,669	27,994,893	27,078,961	634,983	-	68,811,990
16	Ratanak Kiri	32,626	1,071,586	3,329,220	4,216,544	131,836	-	8,781,812
17	Siem Reap	631,840	17,698,888	34,145,561	25,614,784	980,052	-	79,071,125
18	Preah Sihanouk	51,885	2,161,014	13,163,941	18,228,629	56,971	-	33,662,440
19	Stung Treng	15,208	503,422	1,926,885	2,370,768	24,941	-	4,841,224

20	Svay Rieng	139,840	4,906,591	10,187,297	3,660,604	130,158	-	19,024,490
21	Takeo	670,429	24,142,613	73,567,488	42,662,307	947,416	398,216	142,388,469
22	Otdar Meanchey	117,525	2,961,660	8,121,169	12,898,253	578,587	-	24,677,194
23	Kep	26,097	1,231,436	6,484,026	8,294,909	80,344	-	16,116,812
24	Pailin	39,546	1,265,658	5,477,868	9,356,994	92,975	-	16,233,041
25	Tboung Khmum	673,603	17,586,256	40,244,491	28,479,479	597,898	-	87,581,727
<b>Total</b>		<b>9,482,235</b>	<b>278,092,946</b>	<b>724,355,104</b>	<b>583,806,328</b>	<b>11,977,508</b>	<b>398,216</b>	<b>1,608,112,337</b>
<b>Percentage</b>		<b>0.59%</b>	<b>17.29%</b>	<b>45.04%</b>	<b>36.30%</b>	<b>0.74%</b>	<b>0.02%</b>	<b>100%</b>

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



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

## **4.5 Program for Promoting Access to Grid Electricity for ID Poor Households (P2P for ID Poor HH)**

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

In 2021, 9 contracts with 9 licensees for providing new connections in rural areas under OBA Program to Promote Access to Grid Electricity for ID Poor Households (ID-Poor HH) have been executed by REF are funded by EDC. The total target number of connections under these 9 contracts is 1,571 ID-Poor HH and the achievement during 2021 is 962 ID-Poor HH.

Provincewise information on licensees who have executed contracts, funded by EDC, with REF for getting grant assistance to Promote Access to Grid Electricity for ID Poor Households in rural areas in 2021 is given in **Annex 7**.

Provincewise summary information on contracted target number of rural households to be connected to supply system, number of rural household connected to supply system and target number of new connections, funded by EDC under OBA Program to Promote Access to Grid Electricity for ID Poor HH in 2021 is given in **Table 7** below.

**Table 7: Provincewise summary information on contracted target number of rural households to be connected to supply system, number of rural household connected to supply system and target number of new connections, funded by EDC under OBA Program to Promote Access to Grid Electricity for ID Poor HH in 2021**

<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	Kampong Cham	92	92
2	Kampong Chhnang	100	86
3	Kampong Thom	684	684
4	Kratie	100	100
5	Pursat	345	-
6	Takeo	250	-
<b>Total</b>		<b>1,571</b>	<b>962</b>

Provincewise summary information on contracted target number of rural households to be connected to supply system, number of rural household connected to supply system and present position funded by EDC under OBA Program to Promote Access to Grid Electricity for ID Poor HH in 2021 is given in **Annex 8**.

In 2021, 962 rural consumers have got direct benefit of this program. According to Cambodia Inter-Censal Population Survey 2013 Final Report, the average household size in rural area is 4.6 persons. Hence the number of population directly benefited from this program is 4,425 persons.

This OBA Program to Promote Access to Grid Electricity for ID Poor HH has provided the much needed impetus to rural HH in getting electricity for use in the rural HHs.

Provincewise total number of villages and villages, in which OBA Program to Promote Access to Grid Electricity for ID Poor HH under funding by EDC, was implemented in 2021 is given in **Table 8** below.

**Table 8: Provincewise total number of villages and villages, in which OBA Program to Promote Access to Grid Electricity for ID Poor HH under funding by EDC, was implemented in 2021**

No.	Province	Total number of villages (Census)	Number of villages in which OBA program was implemented
1	Kampong Cham	916	5
2	Kampong Chhnang	560	14
3	Kampong Thom	742	74
4	Kratie	253	14
<b>Total</b>		<b>2,471</b>	<b>107</b>

List of villages covered, under funding by EDC, by OBA Program to Promote Access to Grid Electricity for ID Poor HH was implemented in 2021 is given in **Annex 9**.

Map showing the provinces in which OBA Program under funding by EDC, is implemented in 2021 is given in **Annex 10**.

#### 4.5.2 Site Inspection Activities on Implementation of this OBA Program

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

#### T.K.T.D Electricity Enterprise (Project 6) having license No. 228L for Providing Electricity Service at Khum San Kor and Khum Tbeng, Kampong Svay District, Kampong Thom Province



## 4.6 Power to the Poor Program by Providing of \$50 Subsidy per Households

### 4.6.1 Progress, Achievement and Analysis of Program

In 2021, 3 contracts with 3 licensees for providing new connections in rural areas under Power to the Poor Program by Providing of \$50 Subsidy per Households have been executed by REF are funded by EDC. The total target number of connections under these 3 contracts is 530 Poor HH and the achievement during 2021 is 296 Poor HH.

Provincewise information on licensees who have executed contracts, funded by EDC, with REF for getting grant assistance to Promote Access to Grid Electricity for Poor Households in rural areas in 2021 is given in **Annex 11**.

Provincewise summary information on contracted target number of rural households to be connected to supply system, number of rural household connected to supply system and target number of new connections, funded by EDC under Power to the Poor Program by Providing of \$50 Subsidy per Households in 2021 is given in **Table 9** below.

**Table 9: Provincewise summary information on contracted target number of rural households to be connected to supply system, number of rural household connected to supply system and target number of new connections, funded by EDC under Power to the Poor Program by Providing of \$50 Subsidy per Households in 2021**

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	Kampong Cham	30	30
2	Pursat	250	166
3	Takeo	250	100
<b>Total</b>		<b>530</b>	<b>296</b>

Provincewise summary information on contracted target number of rural households to be connected to supply system, number of rural household connected to supply system and present position funded by EDC under Power to the Poor Program by Providing of \$50 Subsidy per Households in 2021 is given in **Annex 12**.

In 2021, 296 rural consumers have got direct benefit of this program. According to Cambodia Inter-Censal Population Survey 2013 Final Report, the average household size in rural area is 4.6 persons. Hence the number of population directly benefited from this program is 1,362 persons.

This Power to the Poor Program by Providing of \$50 Subsidy per Households has provided the much needed impetus to rural HH in getting electricity for use in the rural HHs.

Provincewise total number of villages and villages, in which OBA Program to Promote Access to Grid Electricity for ID Poor HH under funding by EDC, was implemented in 2021 is given in **Table 10** below.



**Table 10: Provincewise total number of villages and villages, in which OBA Program to Promote Access to Grid Electricity for ID Poor HH under funding by EDC, was implemented in 2021**

No.	Province	Total number of villages (Census)	Number of villages in which program was implemented
1	Kampong Cham	916	3
2	Kandal	918	16
3	Pursat	510	2
4	Takeo	1,119	5
<b>Total</b>		<b>3,463</b>	<b>26</b>

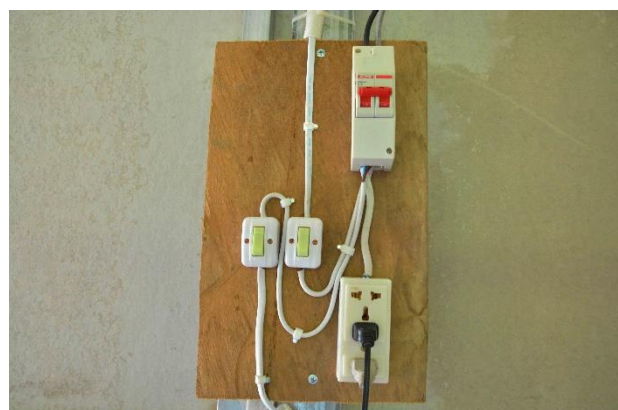
List of villages covered, under funding by EDC, by Power to the Poor Program by Providing of \$50 Subsidy per Households was implemented in 2021 is given in **Annex 13**.

Map showing the provinces in which this Program under funding by EDC, is implemented in 2021 is given in **Annex 14**.

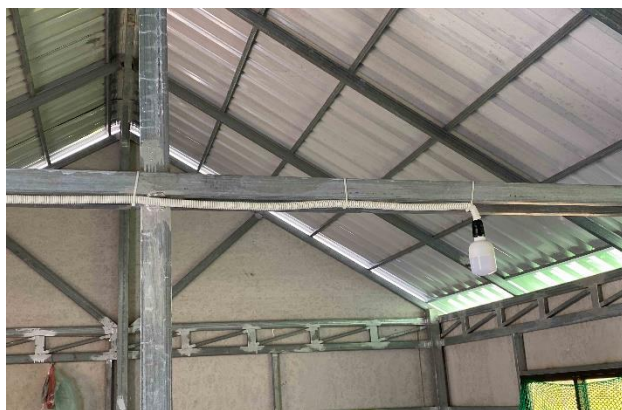
#### **4.6.2 Site Inspection Activities on Implementation of Power to the Poor Program by Providing of \$50 Subsidy per Households**

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. Some physical activities of new connection verification are shown pictorially below.

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







#### 4.7 Program for Providing Electricity for Pumping for Agricultural Irrigation Uses

The Royal Government of Cambodia (RGC) has the policy to provide electricity for pumping for agricultural irrigation at the concessional rate during night time for consumer given supply from the grid system. This program covers the supply of electricity for pumping for agricultural irrigation both during day time and during night time. The tariff will be time of use tariff. The tariff will be normal rate per kWh for use during day time from 7:00 a.m. to 9:00 p.m. and concessional rate 480 riel per kWh for use during night time from 9:00 p.m. to 7:00 a.m.

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

In 2021, E.M Construction has supplied materials and doing construction of electricity infrastructures for giving power supply to pumping for agricultural irrigation for 16 Project with 14 licensed area.

In 2021, E.M Construction has completed contract between EDC and E.M Construction on develop electricity infrastructure for pumping for agricultural irrigation under Program for Providing Electricity for Agricultural Sector successfully.

Provincewise summary information on licensees who have executed contracts to develop electricity infrastructure for pumping for agricultural irrigation with REF under Program for Providing Electricity for Agricultural Sector in 2021 is given in **Annex 15**.

Provincewise information on contracted target length of network, constructed length of network, under Program for Providing Electricity for Pumping for Agricultural Irrigation Uses in 2021 is given in **Table 11** below.

**Table 11: Provincewise information on contracted target length of network, constructed length of network, under Program for Providing Electricity for Pumping for Agricultural Irrigation Uses in 2021**

No.	Province	Electricity infrastructures on contracted				Electricity infrastructures Constructed			
		km		Set		km		Set	
		MV	LV	Tr	TOU	MV	LV	Tr	TOU
1	Banteay Meanchey	17.00	20.00	10	-	17.00	20.00	10	-
2	Battambang					38.00	44.00	19	17
3	Kampong Cham	1.45	1.45	2	-	1.45	1.45	2	-
4	Kampong Thom	-	-	-	-	44.83	52.76	20	12

5	Kandal	5.50	7.00	4	7	5.48	7.00	4	7
6	Prey Veng	29.00	40.00	18	-	28.96	39.80	18	-
7	Pursat	-	-	-	9	39.10	51.00	22	13
<b>Total</b>		<b>52.95</b>	<b>68.45</b>	<b>34</b>	<b>16</b>	<b>174.82</b>	<b>216.01</b>	<b>95</b>	<b>49</b>

Provincewise information on contracted target length of network, constructed length of network, and present position under Program for Providing Electricity for Pumping for Agricultural Irrigation Uses in 2021 is given in **Annex 16**.

In 2021, 14 licensees have been directly benefited by this program.

This program has provided the much needed impetus to REEs to expand electricity supply to provide electricity for pumping for agricultural irrigation at the concessional rate during night time for consumer given supply from the grid system.

Provincewise total number of villages and number of villages electrified under Program for Providing Electricity for Pumping for Agricultural Irrigation Uses, in 2021 is given in **Table 12** below.

**Table 12: Provincewise total number of villages and number of villages under Program for Providing Electricity for Pumping for Agricultural Irrigation Uses, in 2021**

No.	Province	Total number of villages (Census)	Number of villages access electricity
1	Banteay Meanchey	661	5
2	Battambang	805	8
3	Kampong Cham	916	1
4	Kampong Thom	742	8
5	Kandal	918	2
6	Prey Veng	1,137	18
7	Pursat	510	20
<b>Total</b>		<b>5,689</b>	<b>62</b>

List of villages covered under Program for Providing Electricity for Pumping for Agricultural Irrigation Uses, in 2021 is given in **Annex 17**.

Map showing the provinces for Program for Providing Electricity for Pumping for Agricultural Irrigation Uses, in 2021 is given in **Annex 18**

#### **4.7.2 Site Inspection Activities on Implementation of this Program**

To ensure that the implementation of this program is implemented in a transparent and proper manner, REF staff verified the material and quantity of the infrastructures constructed. Some physical activities of material and quantity of the electricity infrastructures for pumping for agricultural irrigation verification are shown pictorially below.

**Nhem Horn Electrical Co., Ltd (Project 19) having license No. 343L for  
Providing Electricity Service at Some Part of Kampong Trabek, Baphnom and  
Mesang Districts, Preyveng Province**



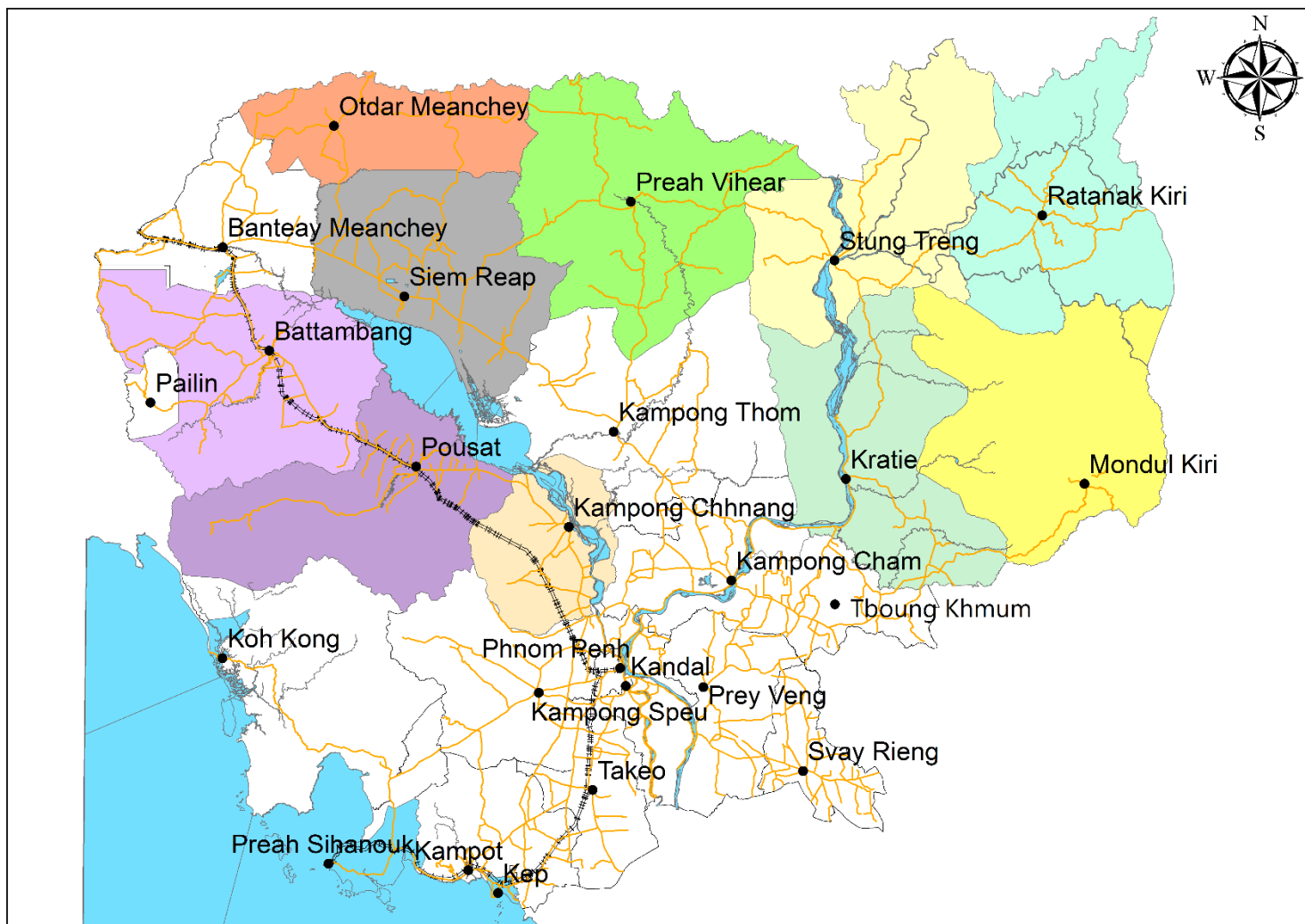
**Annex 1**  
**List of villages in which 9,933 SHS have been installed in 2021**

<b>No.</b>	<b>Province</b>	<b>Number of villages access electricity through SHS</b>	<b>Commune</b>	<b>District</b>
1	Battambang	Prey Sen	Chhnal Moan	Koas Krala
		Kouk Roka	Doun Ba	
		Sek Sak, Ou Lmun	Phlov Meas	Rotonak Mondol
		Thvak	Andaeuk Haeb	
		Chumnoab Sbov Plaeng, Chumnoab Kokir, Pralay Dabprambei	Sdok Pravoek	Rukh Kiri
		Phnum Rai, Ou Krouch	Ta Taok	Samlout
		Doun Tret	Ta Sanh	
		Chamlang Romeang Kraom, Chamlang Romeang Leu	Ou Samril	
		Kampong Prahok, Thvang, Preaek Toal, Anlong Ta Uor	Kaoh Chiveang	Aek Phnum
		Kaoh Chiveang, Bak Prea, Peam Seima, Anlong Sandan	Prey Chas	
2	Kampong Chhnang	Krang Phtel, Kramal, Ta Daok, Pralay Meas, Anlong Kanhchoh	Pralay Meas	Kampong Leaeng
		Thnal Chheu Teal, Phlov Tuk, Peam Khnang, Slat	Phlov Tuk	
		Bat Trang, Kaoh Lot, Kaoh Slaeng, Peam Chrey	Kaoh Thkov	Chol Kiri
		Tonle Krau	Chol Sar	
		Phnum Ta Sam	Krang Skear	Tuek Phos
		Krang Ta Mom, Kouk Nang, Tbaeng Khpos	Tang Krasang	
		Damnak Reach	Kampong Preah Kokir	Baribour
3	Kratie	Por Chek, Por Touch, Veal Mreah	Kronhoung Saen Chey	Snuol
		Trapeang Chhouk, Ou Chra	Khsuem	
		Kaoh Chbar, Kampong Pnov	Kaoh Khnhaer	Sambour
		Kaoh Phdau, Kampong Krabei, Samphin, Ampil Tuek	Kampong Cham	
		Kaoh Dambang, Kampong Rotih, Damrae	Boeng Char	
		Srae Chhuk	Roluos Mean Chey	
		Kaoh Real	Sambour	
4	Mundol Kiri	Kmoum, Khtong, Chak Char, Preah, Ronaeng, Srae Andoal	Srae Chhuk	KaeV Seima
		Pu Kong, Ou Chra	Srae Preah	
		Pu Lu	Bu Sra	Pech Chreada
5	Preah Vihear	Kaoh Ker, Prey Veng, Rumchek, Sambour, Sna Pa'ek	Srayang	Kuleaen

		Praeus K'ak	Mlu Prey Pir	Chhaeb
		Morokot Te Chour	Kantuot	Choam Khsant
		Kam Brak, Kampeanh, Choam Srae, Yeang, Reaksmei, Choam Antil	Yeang	
		Sampreang	Rotanak	
		Phneak Roluek, Srae Veal	Thmea	Chey Saen
		Krang Doung Chas, Phnom Reb, Veal Rumpok, Anlong Svay	Preah Khleang	Tbaeng Mean Chey
6	Pursat	Kaoh K'æk, Charoh, Preaek, Reang Til	Reang Til	Kandieng
		Kampong La	Kampong Pou	Krakor
		Ti Muoy, Ti Pir, Ti Bei, Ti Buon, Ti Pram	Kampong Luong	
		Kampong Thkoul	Ansa Chambak	
		K'amsamna, Dei Roneat, Preaek Kra	Me Tuek	Bakan
		Angkrong	Samraong	Phnum Kravanh
		Kam Pong, Smeaet	Krapeu Pir	Veal Veang
7	Ratanak Kiri	Tumpuon Reung Touch, Tumpuon Reung Thum, Phay, Vieng Chan	Ta Veaeng Kraom	Ta Veaeng
		Kaoh Pang, Pa Toeng, Pa Hay, Lang Av	Kaoh Pang	Veun Sai
		Kaoh Peak	Kaoh Peak	
		Ta Nga, Tang Se	Nhang	Andoung Meas
		Inn	Ta Lav	
8	Siem Reap	Ou Trach	Varin	Varin
		Khla Khmum, Ta Penh, Ta Harn, Thma Chruonh, Thmey, Popel, Preah Ang Thum, Sangkae Lak, Anlong Thum	Khnanng Phnum	Svay Leu
9	Stung Treng	Chamkar Leu	Chamkar Leu	Thala Barivat
		Anlong Kramuon	Srae Ruessei	
		Sralau	Anlong Chrey	
		Kaoh Snaeng, Kaoh Sralau	Kaoh Snaeng	Borei Ou Svay Senchey
		Kaoh Chheu Teal Touch, Kaoh Chheu Teal Thum, Kaoh Lngo	Preah Rumkel	
		Kaoh Pnov, Kaoh Hib, Na Oung, Veun Sien, Ou Run, Ou Svay	Ou Svay	
		Kirivongsa Leu	Santepheap	Siem Pang
10	Otdar Meanchey	Kdol	Koun Kriel	Samraong
		Koun Damrei, Bak Nuem	Samraong	
	<b>Total</b>	<b>142 Villages</b>	<b>57 Communes</b>	<b>32 Districts</b>



**Annex 2**  
**Map showing the provinces in which 9,933 SHS have been installed in 2021**



### Annex 3

#### 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 2021

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 5)	EDC
	Some part of Ochrov District, Svay Chek District and Poi Pet City	276L	Mr. Chun Rithy (Project 5)	EDC
	Some part of Thma Pouk District, Svay Chek District, Phnom Srouk District and Preah Netr Preah District	389L	Mrs. Men Chansokol (Project 5)	EDC
			Mrs. Men Chansokol (Project 6)	EDC
Battambang	Some part of Ratanak Mondul and Banan District	069L	Mr. Nop Bin (Project 8)	EDC
	Khum Russey Kraing, Maung Russey District	072L	Mr. Ya Sambath* (Project 2)	EDC
	Some part of Khum Phnum Sampov, Banan, Thmar Kol District and Krong Battambang	202L	Mrs. Kung Samon (Project 4)	EDC
	Some part of Khum Leav and Khum Prey Khpous, Bovil District	242L	Mrs. San Chhan (Project 5)	EDC
			Mrs. San Chhan (Project 6)	EDC
	Some part of Sangke and Maung Russey District	246L	Mr. Samnang Sathia (Project 4)	EDC
	Some part of Thma Kol and Bovil District	270L	Electrical Otaki Trading (E.O.T) Co., Ltd. (Project 6)	EDC
	Some parts of Khum Snoeng, Banan District	275L	Mr. Koy Mach (Project 5)	EDC
	Some parts of Koas Krala District	302L	Akisani R Y Power Co., Ltd (Project 4)	EDC
	Some parts of Moung Ruessei and Rukhak Kiri Districts	303L	S.V.R.A Electricity Service Enterprise* (Project 9)	EDC
	Some parts of Ratanak Mondul District	309L	Mr. Ngov Lyhour (Project 3)	EDC
			Mr. Ngov Lyhour (Project 4)	EDC
	Some parts of Khum Chaeng Meanchey, Banan District	330L	Mr. Lonh Sovan (Project 8)	EDC

	Some parts of Samlot, Ratanak Mondul and Koas Krala Districts	392L	ASDVM CO.,Ltd (Project 5)	EDC
	Some parts of Koas Krala District	404L	Mr. Heng Chanthavy* (Project 3)	EDC
	Some parts of Khum Treng, Ratanak Mondul District	493L	Ms Loeung Ly	EDC
Kampong Cham	Chamkar Leu District	032L	Kong Hak Electric Power Enterprise* (Project 3)	BVC Power Development
	Some parts of Chamkar Leu District	038L	Tnal Bek Chamkar Leu Electricity Enterprise (Project 6)	Electricity Skon-Chamkarleu
	Some parts of Steung Trang and Kampong Siem Districts	057L	Sohin Electricity Enterprise (Project 4)	EDC
	Some parts of Steung Trang	060L	Mrs. Eam Sreng (Project 4)	Electricity Skon-Chamkarleu
	Some parts of Khum Sambo and Khum Chealea, Bateay District	216L	Sambo Electricity Co.,Ltd (Project 4)	TPLC Holdings
	Some parts of Cheung Prey District	286L	Mrs. Sou Rong (Project 6)	Electricity Skon-Chamkarleu
			Mrs. Sou Rong (Project 7)	Electricity Skon-Chamkarleu
	Some parts of Steung Trang	369L	Mr. Dy Piseth (Project 4)	EDC
	Some parts of Khum Batheay, Baray District	400L	Mr. Hong Sengkry* (Project 7)	EDC
Kampong Chhnang	Some parts of Rolea B'ier District	096L	Mr. Un Sophal (Project 6)	OSVR Trading
	Khum Chhean Laeung, Samaki Meanchey District	393L	Mr. Cheng Chhorng* (Project 4)	EDC
	Some parts of Kampong Tralach District	400L	Mr. Hong Sengkry* (Project 7)	EDC
	Some parts of Kampong Tralach, Teuk Phos, Rolea B'ier, Samaki Meanchey District and Khum Koh Thkov, Chulkiri District	416L	Mr. Or July (Project 5)	OSVR Trading
	Kampong Leaeng District	421L	Akisani KPLE Co.,Ltd (Project 3)	OSVR Trading
	Khum Peam Chhkaok, Khum Kampong Os, Chulkiri District and some parts of Khum Kampong Hao, Kampong Leng District, Khum Koukbanteay, Rolear Phear District	424L	Mr. Suon Sophanith (Project 2)	EDC



Kampong Speu	Some parts of Phnom Sruoch District	082L	Akisany PICHNIL L.S.K Enterprise** (Project 7)	EDC
	Some parts of Phnom Sruoch District	136L	Mr. Men Kunthea (Project 6)	EDC
	Some parts of Udong, Thpong and Samraong Torng Districts	155L	Sahakreas Aphivath Akisani Samrethkiri (Project 7)	EDC
	Some parts of Phnom Sruoch and Oral Districts	237L	Akisani Prey Rumduol Co.,Ltd (Project 4)	EDC
	Some parts of Thpong District, Khum Yuth Samaki, Udong District, and Khum Chhean Leung, Samaki Meancheay District	393L	Mr. Cheng Chhorng* (Project 4)	EDC
	Some parts of Oral District	435L	Mrs. Keo Ceda** (Project 2)	EDC
Kampong Thom	Some parts of Baray and Santuk District	006L	Pheng Keang Electricity PTE., Ltd (Project 5)	BVC Power Development
	Provincial Town of Kampong Thom	012L	Cam Chilbo Electric Power Co., Ltd (Project 3)	EDC
	Some parts of Baray District and some parts of Khum Trob, Khum Sondek, Batheay District	019L	Akisani Treall Co., Ltd (Project 4)	BVC Power Development
	Some parts of Baray District	032L	Kong Hak Electric Power Enterprise* (Project 3)	BVC Power Development
	Khum Baray, and some parts of Khum Chhouk Khsach, Baray District	039L	Ra Sang Electric Power Enterprise (Project 5)	BVC Power Development
	Some parts of Sangkat Srayov, Krong Steung Sen, Khum Tnaot Chum, Baray District, Khum Kampong Svay, Kampong Svay District, Khum Taing Krasao, Prasat Sambor and Santuk Districts	073L	Treung San Enterprise (Project 4)	EDC
	Some parts of Sandan District	199L	Soem Lai Y Electricity Co.,Ltd (Project 3)	EDC
	Khum Sankor and Khum Tbaeng, Kampong Svay District	228L	T.K.T.D Electricity Enterprise (Project 5)	BVC Power Development
	Some parts of Prasat Sambor and Sandan Districts	326L	Vanna Layhim Electricity Enterprise (Project 2)	EDC
	Some parts of Prasat Sambor and Sandan Districts	326L	Vanna Layhim Electricity Enterprise (Project 3)	EDC

	Some parts of Khum Sala Visai and KhumTuol Kreul, Prasat Balaing District	327L	Mr. Khon Chettra (Project 3)	BVC Power Development
	Khum Tomring, Sandan District	328L	Mr. Seang Ty	EDC
	Some parts of Baray District	367L	Mr. Soeun Sophal (Project 8)	BVC Power Development
			Mr. Soeun Sophal (Project 9)	BVC Power Development
	Some parts of Prasat Balaing and Kampong Svay Districts	368L	Miss Tan Kimbouy (Project 5)	EDC
			Miss Tan Kimbouy (Project 6)	EDC
	Some parts of Kampong Svay, Prasat Balaing, Prasat Sambor districts and Krong Steung Sen	387L	H.T.R.T Electricity Enterprise (Project 3)	BVC Power Development
Kampot	Some parts of Khum Chheu Teal, Sandan District	425L	Mr. Hou Thorn (Project 2)	EDC
	Some parts of Teuk Chhou District	042L	Akisni Trapeang Ropov Co., Ltd*	EDC
	Some parts of Chhouk, Dang Tong, Chumkiri, Banteay Meas, Angkor Chey, Kampong Trach and Toek Chhou Districts	044L	Akisani Toek Chhou Co., Ltd (Project 8)	EDC
			Akisani Toek Chhou Co., Ltd (Project 9)	EDC
	Some parts of Chum Kiri District	082L	Akisny Pichnil L.S.K. Enterprise** (Project 7)	EDC
	Some parts of Chum Kiri District	197L	Electricity Ang Roka Enterprise* (Project 6)	EDC
			Electricity Ang Roka Enterprise* (Project 7)	EDC
Kandal	Some parts of Kandal Steung District	144L	Khemarak Engineering & Development	LMK
	Some parts of Kandal Steung District	153L	Beung Khyang Electricity Enterprise (Project 3)	LMK
	Khum Kokirthom, Kien Svay District	170L	Electricity Chhun Ly Kokythom Enterprise (Project 3)	EDC
	Some parts of Khum Prek Ampil and Khum Puk Ruessei, Khsach Kandal District	209L	Mr. Sok Pin (Project 3)	TPLC Holdings
	Some parts of Khum Prek Tamak, Khsach Kandal District	230L	Mrs. Thauy Vorun (Project 5)	TPLC Holdings
	Some parts of Lvea Em District	355L	Mr. Chhr Vengngoun* (Project 6)	EDC
			Mr. Chhr Vengngoun* (Project 7)	EDC

	Khum Kampong Luong, Ponhear Leu District	415L	Mrs. Ke Varin* (Project 6)	OSVR Trading
Koh Kong	Khum Koh Sdach, Kirisakor District	106L	Mrs. Ann Samlan (Project 2)	EDC
	Some parts of Khum Boeng Preav, Sre Ambil District	279L	Mr. Khun Chantharith* (Project 2)	EDC
	Some parts of Thmor Baing, Mondul Seima, Kirisakor, Koh Kong Districts and Krong Khemarak Phoumin	370L	Koh Kong District Electricity Co., Ltd (Project 2)	EDC
	Some parts of Khum Dang Paeng, Srae Ambil District	435L	Mrs. Keo Ceda** (Project 2)	EDC
Kratie	Some parts of Memot, Dambe District and Some parts of Chhlong District	321L	Th & Koki Power Development Co., Ltd* (Project 4)	EDC
	Some parts of Khum Sambok, Chet Borey District and Sambo District	346L	Mrs. Chea Sokheng (Project 5)	EDC
	Some parts of Khum Pi Thnou and Khum Khsem, Snuol District	352L	Mr. Kang Kim Ang	EDC
	Some parts of Prek Prasab and Sombo Districts	353L	Mr. Sok Hengseang (Project 2)	EDC
			Mr. Sok Hengseang (Project 3)	EDC
Preah Vihear	Some parts of Choam Khsan District	162L	Mrs. Leap Srey Orng (Project 3)	EDC
	Som parts of Kulen District	172L	Mrs. Ou Kim Sieng (Project 2)	EDC
	Some parts of Khum Kantuot and Khum Yeang, Choam khsan District	307L	Mr. Keo Nguon (Project 5)	EDC
	Some parts of Choam Khsan District	405L	Mrs. Keo Sovanny (Project 4)	EDC
	Some parts of Tbeng Meanchey and Chheb Districts	410L	Mr. Hak Sithath	EDC
	Some parts of Choam Khsan District	446L	Mrs. Veing Dyna	EDC
Prey Veng	Some parts of Pea Raing, Kanh Chriech, Sithor Kandal, Svay Antor and Kampong Leav District	046L	Sokun Electrical Enterprise (Project 2)	EDC
	Some parts of Kanh Chriech District and Khum Ampil Krao, Sithor Kandal District	208L	Electricity Keo Chamreun Enterprise (Project 2)	EDC
	Some parts of Kampong Trabek District	247L	Akisni Kraul Kou Company Limited* (Project 4)	EDC

	Some parts of Kanh Chriech District	310L	Mr. Srin Chhorn* (Project 4)	EDC
	Khum Prey Totoeung and some parts of Khum Chres, Mesang District	320L	Mr. Eng Hou (Project 2)	EDC
	Some parts of Mesang and Ba Phnom Districts	336L	Mr. Heang Phally (Project 5)	EDC
	Some parts of Kampong Trabek, Ba Phnom and Mesang Districts	343L	Nhem Horn Electrical Co.,Ltd (Project 8)	EDC
	Some parts of Por Rieng and Pea Raing Districts	355L	Mr. Chhr Vengngoun* (Project 6)	EDC
			Mr. Chhr Vengngoun* (Project 7)	EDC
	Some parts of Sithor Kandal District	478L	VRTN Co.,Ltd**	EDC
			VRTN Co.,Ltd** (Project 2)	
Pursat	Some parts of Bakan, Phnom Kravanh District and Sangkat Lolok Sor, Krong Pursat	034L	Yen Youlay Electricity Enterprise (Project 12)	EDC
	Some parts of Khum Svay Daun Keo, Bakan District	072L	Mr. Ya Sambath* (Project 2)	EDC
	Some parts of Phnom Kravanh District and Krong Pursat	124L	Ear Laysean Krovanh Electricity Enterprise (Project 6)	EDC
	Khum Pramouy and Khum Anlong Reap, Veal Veng District	281L	Mr. Vong Sambo (Project 4)	EDC
			Mr. Vong Sambo (Project 5)	EDC
	Some parts of Veal Veng District	303L	S.V.R.A. Electricity Service Enterprise* (Project 9)	EDC
	Some parts of Phnom Kravanh District and Krong Pursat	331L	Mr. Lim Pak (Project 5)	EDC
			Mr. Lim Pak (Project 6)	EDC
			Mr. Lim Pak (Project 7)	EDC
	Khum Talor, Talor Senchey District and some parts of Khum Khnar Totoeng, Bakan District, Khum Samraong, Phnom Kravanh District	332L	Mr. Nhean Vatana (Project 6)	EDC
	Khum Thmor Da, Veal Veng District	396L	Mrs. Pai Sopanha (Project 2)	EDC
	Khum O-Saom, Veal Veng District	397L	Mr. Pav Vuthea (Project 4)	EDC
Ratanak Kiri	Some parts of Veal Veng District	404L	Mr. Heng Chanthavy* (Project 3)	EDC
	Some parts of Andoung Meas District	372L	Mr. Seav Pisith (Project 2)	EDC
	Some parts of Khum Trapaing Kraham and Khum Trapaing Chres, Koun Mom District	380L	Mrs. Soeurkim Nareth (Project 2)	EDC

Siem Reap	Some parts of Pouk, Angkor Chum and Angkor Thom District	035L	Vonn Vireak Service Co.,Ltd (Project 6)	EDC
	Some parts of Chi Kreng and Sotnikum Districts	129L	Mr. Chan Sok (Project 7)	KTC Cable
	Some parts of Sotnikum, Chi Kreng and Svay Leu Districts	183L	Mrs. Meas Keav (Project 5)	EDC
	Some parts of Khum Kantuot, Svay Leu, Banteay Srey and Varin Districts	240L	Mrs. Long Kimheng* (Project 7)	EDC
			Heang Kimheng H S Power Co.,Ltd* (Project 8)	EDC
	Some parts of Khum Varin, Varin, Srey Snam, Kralanh and Angkor Chum Distric, and some parts of Khum Pongro, Khum Chongkal, Chongkal District	311L	Mrs. Heng Siv Muy* (Project 5)	EDC
			Mrs. Heng Siv Muy* (Project 6)	EDC
Preah Sihanouk	Some parts of Varin District	359L	Akisani Warin Angkor Co., Ltd (Project 3)	EDC
	Some parts of Khum Kantuot, Svay Leu District	406L	Mr. Loeung Sitha	EDC
	Some parts of Prey Nob and Steung Hav Districts	029L	Mr. Sok Thy (Project 4)	EDC
	Some parts of Khum Tomnob Rolok, Khum Kampenh, Steung Hav District	030L	Mr. Meng Tharith	EDC
	Some parts of Prey Nob Districts	042L	Akisani Trapeang Ropov Co., Ltd*	EDC
	Khum O-Bak Rotes, Kampong Seila District	082L	Akisny Pichnil L.S.K Enterprise** (Project 7)	EDC
	Some parts of Kampong Seila District	279L	Mr. Khun Chantharith* (Project 2)	EDC
	Some parts of Khum O-Bak Rotes, Kampong Seila District	435L	Mrs. Keo Ceda** (Project 2)	EDC
	Cambodia Preah Sihanouk “Ream” National Park located in some parts of Khum Ream, Prey Nob District	478L	VRTN Co., Ltd** (Project 2)	EDC
Svay Rieng	Some parts of Svay Chrum District	247L	Akisni Kraul Kou Company Limited* (Project 4)	EDC
	Some parts of Kampong Ror and Chantrea Districts	268L	Mr. Khan Siden (Project 8)	EDC
	Some parts of Romeas Hek District	319L	Khmer Utility Trading (KUT) Company Ltd (Project 6)	EDC

Takeo	Some parts of Tram Kork District	121L	Mr. Nget Soda (Project 4)	EDC
	Some parts of Samraong and Angkor Borei Districts	178L	Seng Vuthy Electricity Enterprise (Project 4)	LMK
	Some parts of Prey Kabas and Angkor Borey Districts	195L	Mr. Ouch Kea (Project 2)	LMK
	Some parts of Tram Kork District	197L	Electricity Ang Roka Enterprise* (Project 6)	EDC
			Electricity Ang Roka Enterprise* (Project 7)	EDC
	Khum Prey Phkam, Angkor Borey District	273L	Mr. Chea Sovannara (Project 2)	LMK
Oddar Meanchey	Some parts of Khum Chong Kal, Chong Kal and Anlong Veng Districts	240L	Mrs. Long Kimheng* (Project 7)	EDC
			Heang Kimheng H S Power Co.,Ltd* (Project 8)	EDC
	Some parts of Khum Pongro, Khum Chongkal, Chongkal District	311L	Mrs. Heng Siv Muy* (Project 5)	EDC
			Mrs. Heng Siv Muy* (Project 6)	EDC
	Some parts of Khum Cheung Tean, Chongkal District	313L	Mr. Chhim Saro (Project 2)	EDC
	Some parts of Khum Pong Ror, Chong Kal District and Krong Samraong	444L	Mrs. Kong Chanda (Project 3)	EDC
Mrs. Kong Chanda (Project 4)			EDC	
Pailin	Some parts of Krong Pailin	089L	Vanak Pheap Development Co., Ltd (Project 3)	EDC
Tboung Khmum	Some parts of Memut District	277L	Mr. Sean Siphon (Project 3)	EDC
			Mr. Sean Siphon (Project 4)	EDC
	Some parts of Tambae District and Khum Popel, Ponhea Krek District	308L	Mrs. Phin Thai (Project 4)	EDC
	Some parts of O-Raing Ov, Tbong Khmum and Ponhea Krek Districts	310L	Mr. Srin Chhorn* (Project 4)	EDC
	Some parts of Memut, Tambae Districts and some parts of Chhloung District	321L	Th & Koki Power Development Co., Ltd* (Project 4)	EDC
	Some Parts of O-Raing Ov District	478L	VRTN Co., Ltd ** (Project 2)	EDC
Funded by Kreditanstalt für Wiederaufbau (KfW)				
Battambang	Some parts of Ratanak Mondul District	309L	Mr. Ngov Lyhour (Project 5)	EDC

	Some part of Samlout District, Rotanak Mondol District and Koas Krala District,	392L	ASDVM Co., Ltd (Project 6)	EDC
	Some parts of Khum Treng, Ratanak Mondul District	493L	Mrs. Loeurng Ly (Project 2)	EDC
Kampong Cham	Some parts of Khum Batheay, Baray District	400L	Mr. Hong Sengkry* (Project 6)	OSVR Trading
Kampong Chhnang	Some parts of Rolea B'ier District	095L	Mrs. Chan Simoly (Project 6)	OSVR Trading
	Some part of Tuek Phos District	119L	Mr. Un Sothea (Project 10)	OSVR Trading
			Mr. Un Sothea (Project 11)	OSVR Trading
	Some part of Kampong Tralach District	400L	Mr. Hong Sengkry* (Project 6)	OSVR Trading
	Some parts of Samaki Meanchey and Kampong Tralach Districts	415L	Mrs. Ker Varin* (Project 6)	OSVR Trading
	Some Part of Borribo District and Khum Prasneb, Rolea B'ier District	429L	Mrs. En Chantha (Project 2)	OSVR Trading
Kampong Thom	Some parts of Stoung District	063L	Sin Soksas Electric Power Enterprise (Project 6)	BVC Power Development
Koh Kong	Some parts of Botumsakor, Srae Ambil, Koh Kong and Kirisakor District	371L	Heng Family Electricity Co., Ltd (Project 3)	EDC
Prey Veng	Some parts of Khum Chheu Kach, Khum Cheung Phnom, Khum Spueu Ka and Khum Sdau Korng, Ba Phnom District	267L	Nov Sophea Electricity Enterprise (Project 3)	EDC
Siem Reap	Some part of Svay Leu District	229L	Mr. Khean Kev (Project 5)	EDC

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

\*\* area of supply in 3 provinces.

4 licensees, who do not implement the contract in 2021 consists of 1- Khemarak Engineering & Development Co., Ltd having license No. 144L in Kandal Province, 2- Mr. Khun Chantharith\* (Project 2) having license No. 079L in Koh Kong and Preag Sihanouk Ville Provinces, 3- Mr. Srin Chhorn\* (Project 4) having license No. 310L in Prey Veng and Tboung Khmum Provinces and 4- Mrs. Soeurkim Nareth (Project 2) having license No. 380L in Ratanak Kiri Province.

#### Annex 4

**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 2021**

Province/city	License No.	Name of licensee	Contracted target 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 5)	4.40	8.50	4.40	8.50	Disbursed
	276L	Mr. Chun Rithy (Project 5)	5.60	8.60	-	-	On going
	389L	Mrs. Men Chansokol (Project 4)	6.00	-	-	-	On going
		Mrs. Men Chansokol (Project 5)	22.74	-	-	-	On going
Battambang	069L	Mr. Nob Bin (Project 8)	13.70	11.60	13.70	11.60	Disbursed
	202L	Mrs. Kung Samon (Project 4)	5.20	8.00	5.20	8.00	Disbursed
	242L	Mrs. San Chhan (Project 5)	10.80	4.00	10.80	4.00	Disbursed
		Mrs. San Chhan (Project 6)	14.90	-	14.90	-	Disbursed
	246L	Mr. Samnang Sathia (Project 4)	-	-	5.00	7.62	Disbursed
		Mr. Samnang Sathia (Project 5)	24.80	16.30	-	-	On going
	270L	Electrical Otaki Trading (EOT) (Project 5)	-	-	3.60	8.10	Disbursed
		Electrical Otaki Trading (EOT) (Project 6)	16.30	19.40	-	-	On going
	275L	Mr. Koy Mach (Project 5)	1.30	-	1.00		Disbursed
	302L	Akisni R Y Power Co., Ltd (Project 4)	15.80	-	-	-	On going
	303L	SVRA Electricity Service Enterprise* (Project 9)	5.70	9.20	5.70	9.20	Disbursed
	309L	Mr. Ngov Lyhour (Project 3)	5.10	7.00	5.10	7.00	Disbursed
		Mr. Ngov Lyhour (Project 4)	11.40	11.40	11.40	11.40	Disbursed
	330L	Mr. Lonh Savan (Project 8)	7.30	12.50	7.30	12.50	Disbursed
	392L	ASDVM Co., Ltd (Project 5)	15.40	21.20	15.40	21.20	Disbursed
	493L	Mrs. Loeurng Ly	5.00	11.70	5.00	10.70	Disbursed
Kampong Cham	023L	Mekong Smart Power* (Project 9)	-	-	54.75	-	Disbursed
	038L	Tnal Bek Chamkar Leu Electricity (Project 6)	12.46	-	12.46	-	Disbursed
	057L	Sohin Electricity Enterprise (Project 4)	11.72	6.70	11.72	6.70	Disbursed



	060L	Mrs. Eam Sreng (Project 4)	6.70	5.60	6.70	5.60	Disbursed
	216L	Sambo Electricity Co., Ltd (Project 4)	7.70	1.50	7.70	1.50	Disbursed
	255L	Mrs. Som Sokhalin (Project 2)	-	-	5.82	-	Disbursed
	286L	Mrs. Sou Rong (Project 6)	22.80	29.90	22.80	29.90	Disbursed
		Mrs. Sou Rong (Project 7)	4.30	8.40	4.30	8.40	Disbursed
	369L	Mr. Dy Piseth (Project 4)	10.24	-	10.24	-	Disbursed
	400L	Mr. Hong Sengkry *(Project 7)	2.60	3.58	2.60	3.58	Disbursed
Kampong Chhnang	096L	Mr. Un Sophal (Project 6)	12.69	2.05	12.69	2.05	Disbursed
	416L	Mr. Or Joly (Project 5)	20.15	14.46	20.15	14.46	Disbursed
	421L	Akisany KPLE Co., Ltd (Project 3)	29.76	2.45	29.76	2.45	Disbursed
	424L	Mr. Suon Sophanith (Project 2)	11.25	29.00	11.25	29.00	Disbursed
Kampong Speu	082L	Akisny Pichnil L.S.K Enterprise** (Project 7)	5.50	13.65	5.50	13.65	Disbursed
	136L	Mr. Men Kunthea (Project 6)	11.98	17.65	8.00	17.65	Disbursed
	155L	Sahakreas Aphivath Akisni Samrethkiri Co.,Ltd (Project 7)	7.40	8.67	7.40	8.67	Disbursed
	237L	Akisani Prey Rumduol Co.,Ltd (Project 4)	15.85	6.69	-	-	On going
	393L	Mr. Cheng Chhorng* (Project 4)	14.80	20.90	14.80	20.90	Disbursed
	435L	Mrs. Keo Ceda** (Project 2)	10.00	24.00	3.00	11.00	Disbursed and on going
Kampong Thom	006L	Pheng Keang Electricity Pte Co.,Ltd (Project 5)	24.59	13.49	24.59	13.49	Disbursed
	012L	Cam Chilbo Electric Power Co.,Ltd (Project 2)	-	-	23.90	1.80	Disbursed
		Cam Chilbo Electric Power Co.,Ltd (Project 3)	30.10	22.80	30.10	22.80	Disbursed
	019L	Akisni Treall Enterprise (Project 4)	14.11	4.51	14.11	4.51	Disbursed
	032L	Kong Hak Electric Power Enterprise (Project 3)	2.00	7.00	2.00	7.00	Disbursed
	039L	Ra Sang Electric Power Enterprise (Project 5)	0.70	14.70	0.70	14.70	Disbursed
	073L	Treung San Enterprise (Project 4)	12.20	-	12.20	-	Disbursed
	199L	Some Lai Y Electricity Enterprise (Project 3)	10.50	13.20	-	-	On going
	228L	T.K.T.D Electricity Enterprise (Project 5)	5.90	9.00	5.90	9.00	Disbursed
	326L	Vanna Layhim Electricity Enterprise (Project 2)	2.70	5.50	2.70	5.50	Disbursed
		Vanna Layhim Electricity Enterprise (Project 3)	13.00	6.60	-	-	On going
	327L	Mr. Khon Chettra (Project 3)	4.10	9.20	4.10	9.20	Disbursed

	328L	Mr. Seang Ty	19.30	-	19.30	-	Disbursed
	367L	Mr. Soeun Sophal (Project 8)	15.40	1.20	15.40	1.20	Disbursed
		Mr. Soeun Sophal (Project 9)	18.70	-	18.70	-	Disbursed
	368L	Mss. Tan Kimbouy (Project 5)	22.20	5.50	22.20	5.50	Disbursed
		Mss. Tan Kimbouy (Project 6)	14.70	3.30	14.70	3.30	Disbursed
	387L	H.T.R.T Electricity Enterprise (Project 3)	13.49	5.40	13.49	5.40	Disbursed
	425L	Mr. Hou Than (Project 2)	3.80	-	3.80	-	Disbursed
Kampot	042L	Akisni Trapeang Ropov Co., Ltd	6.70	-	6.70	-	Disbursed
	044L	Akisani Toek Chhou Co.,Ltd (Project 8)	19.13	32.48	19.13	32.48	Disbursed
		Akisani Toek Chhou Co.,Ltd (Project 9)	10.85	18.75	4.60	4.45	Disbursed
Kandal	144L	Khemarak Engineering & Development Co., Ltd	5.30	5.58	-	-	on going
	153L	Beung Khyang Electricity Enterprise (Project 3)	8.05	7.10	-	7.10	Disbursed
	170L	Electricity Chhun Ly Kokythom Enterprise (Project 3)	11.62	4.30	11.62	4.30	Disbursed
	209L	Mr. Sok Pin (Project 3)	6.06	3.80	6.06	3.80	Disbursed
	230L	Mrs. Thauy Vorun (Project 5)	6.90	1.00	5.50	1.00	Disbursed
Koh Kong	106L	Mrs. Ann Samlan (Project 2)	2.77	1.35	1.97	0.80	Disbursed
	370L	Koh Kong District Electricity Co.,Ltd (Project 2)	6.80	18.30	6.80	18.30	Disbursed
Kratie	346L	Mrs. Chea Sokeng (Project 5)	41.56	3.15	41.56	3.15	Disbursed
	352L	Mr. Kang Kim Ang	25.20	-	25.20	-	Disbursed
	353L	Mr. Sok Hengseang (Project 2)	43.15	-	43.15	-	Disbursed
		Mr. Sok Hengseang (Project 3)	547 Pole	-	547 Pole	-	Disbursed
Preah Vihear	162L	Mrs. Leap Srey Orng (Project 3)	8.20	3.50	-	-	On going
	172L	Mrs. Ou Kim Sieng (Project 2)	15.42	-	-	-	On going
	307L	Keo Nguon Co.,Ltd (Project 5)	11.90	1.60	11.90	1.60	Disbursed
	405L	Mrs. Keo Sovanny (Project 4)	7.60	2.00	7.60	2.00	Disbursed
	410L	Mrs. Hak Sithath	5.20	1.70	5.20	1.70	Disbursed
	446L	Mrs. Veing Dyna	8.00	-	-	-	On going
Prey Veng	046L	Sokun Electrical Enterprise (Project 2)	8.80	4.00	8.80	4.00	Disbursed
	208L	Electricity Keo Chamreun Enterprise Co.,Ltd (Project 2)	1.90	-	-	-	On going

	320L	Mr. Eng Hou (Project 2)	8.30	4.30	8.30	4.30	Disbursed
	336L	Mr. Heang Phally (Project 5)	31.47	-	-	-	On going
	343L	Nhem Horn Electrical Co.,Ltd (Project 8)	26.10	29.00	26.10	29.00	Disbursed
	355L	Mr. Chhor Veng Ngoun (Project 6)	34.30	11.70	34.30	11.70	Disbursed
		Mr. Chhor Veng Ngoun (Project 7)	40.40	4.20	40.40	4.20	Disbursed
Pursat	034L	Yen Youlay Electricity Enterprise (Project 11)	-	-	6.90	1.10	Disbursed
		Yen Youlay Electricity Enterprise (Project 12)	5.00	1.50	5.00	1.50	Disbursed
	072L	Mr. Ya Sambat *(Project 2)	5.20	-	5.20	-	Disbursed
	124L	Ear Laysean Krovanh Electricity Enterprise (Project 6)	22.00	-	22.00	-	Disbursed
	125L	SVVT Electricity Co.,Ltd (Project 6)	-	-	2.00	2.00	Disbursed
	281L	Mr. Vong Sombo (Project 4)	5.30	10.80	5.30	10.80	Disbursed
		Mr. Vong Sombo (Project 5)	9.00	6.20	9.00	6.20	Disbursed
	331L	Mr. Lim Pak (Project 5)	25.30	-	25.30	-	Disbursed
		Mr. Lim Pak (Project 6)	14.00	-	14.00	-	Disbursed
		Mr. Lim Pak (Project 7)	24.10	-	24.10	-	Disbursed
	332L	Mr. Nhean Vatana (Project 6)	6.30	-	6.30	-	Disbursed
	396L	Mrs. Pai Sopanha (Project 2)	10.51	-	10.51	-	Disbursed
	397L	Mr. Pav Vuthea (Project 4)	14.00	11.40	14.00	11.40	Disbursed
	404L	Mr. Heng Chanthavy (Project 3)	13.30	-	13.30	-	Disbursed
Ratanakiri	372L	Mr. Seav Pisith (Project 2)	13.92	-	13.92	-	Disbursed
	380L	Mrs. Soeurkim Nareth (Project 2)	4.00	-	-	-	On going
Siem Reap	035L	Vonn Vireak Service Co,Ltd (Project 6)	4.80	4.50	4.00	3.33	Disbursed
	129L	Mr. Chan Sok (Project 7)	5.10	0.60	5.10	0.60	Disbursed
	183L	Mrs. Meas Keav (Project 5)	18.90	-	18.90	-	Disbursed
	240L	Mrs. Long Kimheng* (Project 7)	25.00	24.30	25.00	24.30	Disbursed
		Heang Kim heng H S Power CO., LTD * (Project 8)	2.00	23.00	2.00	23.00	Disbursed
	311L	Mrs. Heng Symuy* (Project 5)	15.54	-	15.54	-	Disbursed
		Mrs. Heng Symuy* (Project 6)	46.76	-	46.76	-	Disbursed
	359L	Akisani Warin Angkor CO., LTD (Project 3)	22.70	-	22.70	-	Disbursed

	406L	Mrs. Loeung Sitha	29.50	-	29.50	-	Disbursed
Preah Sihanouk	029L	Mr. Sok Thy (Project 4)	2.30	25.00	2.30	25.00	Disbursed
	030L	Mr. Meng Tharith	4.20	-	4.20	-	Disbursed
	279L	Mr. Khun Chantharith *(Project 2)	1.50	7.60	-	-	On going
	478L	VRTN Co., Ltd **(Project 2)	6.03	5.47	6.03	5.47	Disbursed
Svay Rieng	247L	Akisni Kraul Kou Co., Ltd * (Project 4)	16.21	6.19	16.21	6.19	Disbursed
	268L	Mr. Khan Siden (Project 8)	12.44	22.93	7.00	7.00	Disbursed
	319L	Khmer Utility Trading (KUT) Co., Ltd (Project 6)	23.62	21.48	23.62	21.48	Disbursed
Takeo	022L	Mr. Kong Phat (Project 3)	1.60	12.30	-	-	On going
	121L	Mr. Nget Soda (Project 4)	15.22	4.92	15.22	4.92	Disbursed
	178L	Seng Vuthy Electricity Enterprise (Project 4)	1.42	5.25	1.08	5.25	Disbursed
	195L	Mr. Ouch Kea (Project 2)	9.35	1.68	-	-	On going
	197L	Electricity Ang Roka Enterprise* (Project 6)	16.00	20.50	16.00	20.50	Disbursed
		Electricity Ang Roka Enterprise* (Project 7)	17.10	7.50	17.10	7.50	Disbursed
	273L	Mr. Chea Sovannara (Project 2)	1.47	-	-	-	On going
Otdar Meanchey	312L	Mr. Phom Pheak* (Project 3)	-	-	5.30	1.90	Disbursed
	313L	Mr. Chhim Saro (Project 2)	2.90	1.20	-	1.20	Disbursed
	444L	Mrs. Kong Chanda (Project 3)	6.00	33.50	6.00	33.50	Disbursed
		Mrs. Kong Chanda (Project 4)	14.80	12.50	14.80	12.50	Disbursed
Pailin	089L	Vanak Pheap Development Co., Ltd (Project 3)	16.10	4.00	16.10	4.00	Disbursed
Tboung Khmum	277L	Mr. Sean Siphon (Project 3)	11.40	11.50	10.40	11.50	Disbursed
		Mr. Sean Siphon (Project 4)	1.00	-	1.00	-	Disbursed
	308L	Mrs. Phin Thai (Project 4)	18.40	12.30	-	-	On going
	310L	Mr. Srin Chhorn* (Project 4)	1.00	12.45	-	-	Disbursed
	321L	Th & Koki Power Development Co., Ltd* (Project 4)	17.60	20.00	17.60	20.00	Disbursed
	478L	VRTN Co., Ltd *	-	-	24.72	11.90	Disbursed
<b>Total I</b>			<b>1,598.40</b>	<b>954.38</b>	<b>1,453.93</b>	<b>816.65</b>	
			<b>2,552.78</b>		<b>2,270.58</b>		

II Funded by Kreditanstalt für Wiederaufbau (KfW)							
Battambang	309L	Mr. Ngov Lyhour (Project 5)	3.00	1.40	3.00	1.40	Disbursed
	392L	ASDVM Co., Ltd (Project 6)	19.70	28.30	19.70	28.30	Disbursed
	493L	Mrs. Loeurng Ly (Project 2)	3.00	-	3.00	-	Disbursed
Kampong Cham	400L	Mr. Hong Sengkry* (Project 6)	-	1 Tr	-	1 Tr	Disbursed
Kampong Chhnang	095L	Mrs. Chan Simoly (Project 6)	4.35	6.00	-	-	On going
	119L	Mr. Un Sothea (Project 10)	17.71	23.21	17.71	23.21	Disbursed
		Mr. Un Sothea (Project 11)	21.16	19.88	21.16	19.88	Disbursed
	415L	Mrs. Ker Varin* (Project 6)	35.22	15.13	35.22	15.13	Disbursed
	429L	Mrs. En Chantha (Project 2)	27.03	15.95	27.03	15.95	Disbursed
Kampong Thom	063L	Sin Soksan Electric Power Enterprise (Project 6)	16.85	-	-	-	On going
Koh Kong	371L	Heng Family Electricity Co., Ltd (Project 3)	33.70	6.20	33.70	6.20	Disbursed
Prey Veng	259L	Inter BP Solution Corporation (Project 5)	-	-	19.40	5.60	Disbursed
	267L	Nov Sophea Electricity Enterprise (Project 3)	7.15	1.45	7.15	1.45	Disbursed
Siem Reap	111L	Mr. Kong Vun* (Project 6)	-	-	30.50	-	Disbursed
	229L	Mr. Khean Kev (Project 5)	6.00	12.00	-	-	On going
	Total II		194.87	129.52	217.57	117.12	
			324.39		334.69		
Total I+II			1,793.27	1,083.90	1,671.50	933.77	
			2,877.17		2,605.27		

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

**Annex 5**  
**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 2021**

No.	Province/City	Villages	Communes	District	License No.	Licensee
Fund by Electricité Du Cambodge (EDC)						
1	Banteay Meanchey	Moat Srah, Srah Chhuk Khang Lech,	SrahChik	Phnum Srok	081L	Mr. Moun Han (Project 5)
		Phnum Dei, Spean Kmeng	Phnum Dei			
		Rouk	Spean Sraeng			
2	Battambang	Andaek Dobmouy, Ou Dai Khla, Pech Changva	Snoeng	Banan	069L	Mr. Nop Bin (Project 8)
		Boeng Ampil	Sdau	Rotonak Mondol		
		Kilou Samprambei	Traeng			
		Tuol Snuol	Ruessei Krang	Moung Ruessei	072L	Mr. Ya Sambath* (Project 2)
		Kbal Khmaoch	Chrey	Thma Koul	202L	Mrs. Kung Samon (Project 4)
		Ou Mal	Ou Mal	Battambang		
		Ta Mat, Dangkao Pen, Sranal, Ta Hi	Prey Khpos	Bavel	242L	Mrs. San Chhan (Project 5)
		Kbal Spean, Lvea, Doun Nhaem, Chamkar, Dangkao, Ream Sena, Doun Aok	Lvea			
		Prey Chaek, Andoung Trach, Panhnha, Kampong Preah, Srah Kaev	Kampong Preah	Sangkae	246L	Mr. Samnang Sathia (Project 4)
		Kbal Thnal, Os Tuk, Thmei, Kach Roteh, Sala Trav	Kampong Preang			
		Prey Touch, Thmei	Prey Touch	Moung Ruessei		
		Sla Slak, Souphi	Anlong Run	Thma Koul	270L	Electrical Otaki Trading (E.O.T) Co., Ltd. (Project 5)
		Veal Trea	Ou Ta Ki			
		Slab Pang, Ou Pong Moan	Ta Kream	Banan		
		Boeng Krasal	Snoeng			
		Preah Srae, Boeng Chaeng	Snoeng	Banan	275L	Mr. Koy Mach (Project 4)
		Ou Rumcheck	Prek Chik	Rukhak Kiri	303L	S.V.R.A Electricity Service Enterprise
		Cham Ro'a	Prey Svay	Moung Ruessei		

		Koh Thkov, Ou Kriet	Kear			(Project 9)
		Chea Montrei, Phcheav	Traeng	Rotanak Mondol	309L	Mr. Ngov Lyhour (Project 3)
		Ou Lmun	Phlov Meas			
		Chi Pan, Phcheav	Traeng	Rotanak Mondol	309L	Mr. Ngov Lyhour (Project 4)
		Ou Treng, Sek Sak, Phlov Meas	Phlov Meas			
		Thngor, Boh Khnor	Chaeng Meanchey	Banan	330L	Mr. Lonh Sovann (Project 8)
		Ou Da	Mean Chey	Samlout	392L	ASDVM Co.,LTD (Project 5)
		Anlong Pouk, Ta Sanh Khang Tboang	Ta Sanh			
		Svay Sa, Ta Krok	Traeng	Rotanak Mondol	493L	Mrs. Leoung Ly
3	Kampong Cham	Svay Prey, Sou Dei	Samraong	Prey Chhor	023L	Mekong Smart Power* (Project 9)
		Trapeang Thom, Ta Koch, Trapeang Rong	Srangae			
		Trapeang Reang, Traeuy Ou, Chambok Thma, Trapeang Tbal, Svay Reak	Sour Saen			
		Komar Reach, Boeng Nay, Tuol Khvav, Pravas, Voat Chas, Neak Ta snoeng, Thma Da, Ta Ok	Boeng Nay			
		Sek Yum, Prey Chhor	Prey Chhor			
		Ampil Thom, Khvet Thom, Angkrang	Khvet Thum			
		Lvea, Kok	Lvea			
		Slaeng, Ou Kambot	Chrey Vien			
		Roung Kou, Trapeang Bei, Leang khsach, Trapeang Beng, Prey Khchay, Tuol Chambok	Baray			
		Doun Lai, Mrenh, Ta Meas, TaKaev, Ta Mout, Ta Ley, Kraoy Voat, Svay Pen, Rumduol	Kor			
		Tuol Khpos	Krouch			
		Pun Pramat	Trapeamg Preah			
		Doun Thi	Bos Khnaor	Chamkar Leu		
		Chrak Sdau, Chranieng, Poun, Tuol Chambak, Trapeang Ta Sokh	Trean	Kampong Siem		
		Prey Kuy, Lpeak	Srak			

		Ou Svay	Ou Svay			
		Phum Chetseb Prampir, Srae Preal, Pramat Dei, Thal Baek Kaeut	Svay Teab	Chamkar Leu	038L	Thal Bek Chamkar Leu Electricity Enterprise (Project 6) First Payment
		Kbal Hong Thmei, Kbal Hong Chas, Lvea Tboung Kralaeng Lech	Lvea Leu			
		Rumchek, Srae Prang	Ta Prok			
		Meakh Muoy, Meakh Bei, Tuol Pou	Preaek Kak	Steung Trang	057L	Sohin Electric Enterprise (Project 4)
		Sambour, Veal, Ta Poy	Sambour	Batheay	216L	Sambo Electric City Co.,Ltd. (Project 4)
		Baek Peang, Chealea	Chealea	Batheay	255L	Mrs. Som Sokhalin (Project 2) Last Payment
		Tuol Chan, Chbar Ampov	Chbar Ampov			
		Kaoh Champa, Pring Chrum	Pring Chrum	Cheung Prey	286L	Mrs. Sou Rong (Project 6)
		Sdaeung Chey, Khnar, Pra Boeng, Damnak Ampil, Pongro	Sdaeung Chey			
		Sangke	Sangkae			
		Chambak, Trapeang Chhuk, Pou, Bos Ta Mom, Ampil Tvear, Sandaek, Komar, Doun Tao, Svay Meas	Sampong Chey			
		Srae Sangkae, Dei Leu	Peam Kaoh Sna	Steung Trang	369L	Mr. Dy Piseth (Project 4)
		Srae Ampov	Tuol Sambuor			
		Chheu Teu, Veal Bampton, Khpob Ta Nguon	Khpob Ta Nguon			
4	Kampong Chhnang	Thma Reab, Prambei Chhaom, Dak Krong, Andoung Pour	Pongro	Rolea B'ier	096L	Mr. Un Sophal (Project 6)
		Svay Chrum Thmei, Knong, Krang Prasvay, Thma Kaev, Svay Chek	Svay Chrum			
		Toap Tbaeng, Preal	Banteay Preal			
		Trapeang Thma, Traeng, Royeas, Chrak Tnaot	Chhean Laeung	Samakki Meanchey	393L	Mr. Cheng Chhorng*(Project 4)



		Trapeang Reang, Baek Chak, Srae Prich, Srae Khtum	Akphivoadth	Tuek Phos	416L	Mr. Or Joly (Project 5)
		Thmei, Kouk Nang	Tang Krasang			
		Kuy, Prasat, Chrolong, Thnal, Dar	Dar	Kampong Leaeng	421L	Akisany KPLE Co., Ltd (Project 3)
		Thmei, Kampong Ba Chen, Samraong, Pou	Pou			
		Kampong Boeng	Kampong Hau			
		Ta Lat, Lvea	Svay Rompear			
		Kangkaeb	Chraouk			
		Trabaek, Trangel, Tumnob, Chres	Trangel			
		Samraong Saen, Paprak	Samraong Saen			
		Kang Meas, Kanlaeng Phe	Kouk Banteay	Rolea B'ier	424L	Mr. Suon Sophanith (Project 2)
		Kampong Os, Along Ak, Preaek Chhdaor, Kien Ta Ma, Thmei	Kampong Os	Chol Kiri		
5	Kampong Speu	Ti Pir, Ti Bei, Ti Buon, Ti Prammuoy	Traeng Trayueng	Phnum Sruoch	082L	Akisany PICHNIL L.S.K Enterprise** (Project 7)
		Cheung Reas	Dambouk Rung	Phnum Sruoch	136L	Mr. Men Kunthea (Project 6)
		Raksmey Samaki, Chrab Krasang	Choam Sangkae			
		Trapeang Thum, Srah Thul, Rung	Yutth Sameakki	Odongk	155L	Sahakreas Apivath Akisani Samrethkiri (Project 7)
		Chambak Run, Sdok, Trapeang Smach, Trapeang Veaeng	Damnak Reang			
		Ta Ni, Krang Chongruk, Krang Chek, Danlang, Sdau Ph'aem, Ou Leu, Trapeang Kroem, Kouk Sandaek, Trapeang Sangkae, Pou, Rumpoat Chruk	Krang Chek			
		Suos Ney, Banteay Khmer, Trapeang Roka, Angk Serei	Cheung Roas			
		Trapeang Andoung	Peang Lvea			
		Ou Kraom, Tang Ta Lat, Tnaot Chrum, Bati, Trapeang Moan, Tang Krasang	Pneay	Samraong Tong		
		Prey Veaeng, Trapeang Traeunh	Prambei Mom	Thpong	393L	Mr. Cheng Chhong* (Project 4)
		Angk, Tuek Long Pir	Rung Roeang			
		Prich Kphos, Peanich	Yea Angk			

		Kreil Pong, Romiang Sar	Ta Sal	Aoral	435L	Mrs. Keo Seda ** (Project 2)
		Samraong, Kbal Damrei	Trapeang Chour			
6	Kampong Thom	Doung, Ballangk, Trapeang Chrey, Prey Srangae, Ta Duk, Yeay Tieng, Sralau Toung	Ballangk	Baray	006L	Pheng Kieng Electricity Pte., Ltd (Project 5)
		Ta Prok	Chhouk khsach			
		Khsach Lait, Chong Doung, Tuol Damnak	Chong Doung			
		Daun Pen	Boeung			
		Prey Phlu, Tuol Sangkae, Kang Sau, Cheu Teal, Khley, Snao, Khvaek, L’ak	Kampong Thma	Santuk		
		Tok	Kraya			
		Prey Preal kha, Prey Preal ka, Romeang Ngoab, Trapeang Russei, Snao, Rung, Thnal Baek, Serei Vongs, Trapeang Prolit, Samraong, Kouk Nguonm, Krasang	Trapeang Ruessei	Kampong Svay	012L	Cam Chilbo Electric Power Co., Ltd (Project 2)
		Peam Kraeng, Slaeng, Kdei Doung, Ou Sambour	Kdei Doung			
		Kampong Krabei	Prey Kuy			
		Ou Kanthor Cheung, Boeng Lies, Preaek Sbov	Ou Kanthor	Stueng Saen		
		Kampong Samraong, Pramat Dei	Srayov			
		Srayov Cheung, Srayou Tboung, Mneav, Chambak, Kamraeng, Roka, Pou Ta Un, Pou Saen Snay, Puk Yuk, Trapeang Veang, Kampong Samraong	Damrei Choan Khla	Stueng Saen	012L	Cam Chilbo Electric Power Co., Ltd (Project 3)
		Peam Kraeng, Slaeng	Kdei Doung	Kampong Svay		
		Kampong Krabei	Prey Kuy			
		Sala Khum, Dar, Neang L’a, Rumchek, Treal, Thmei	Treal	Baray	019L	Akisani Treal Co.,LTD (Project 4)
		Snuol, Otumpor, Kokor, Tuol Pophlea, Kouk Andaet, Neak Veang, Damnak	Sralau			
		Damrei Slab, Andoung Pou, Baek Chan, Bos Sbaeng, Serei Champa	Andoung Pou			
		Thma Andaet, Trapeang Chranieng	Chranieng			

		Khnhaom	Sou Young	Baray	032L	Kong Hak Electric Power Enterprise (Project 3)
		Chakto Louk, Pou Pir, Svay	Baray	Baray	039L	Ra Sang Electric Power Enterprise (Project 6)
		Chey Chumneah, Samnak, Cheay Sbai, Svay Kal, Santuk Knong, Santuk Krau, Chi Meakh, Sala Santuk	Kakaoh	Santuk	073L	Treung San Enterprise (Project 4)
		Sdok Sdam, Chey Mongkol, Tuol Vihear	Chroab			
		Svay, Ngan, Troeb, Krang Daeum	Ngan	Sandan	199L	Soem Lai Y Electricity Co., Ltd (Project 3)
		Phtoul, Thmei	Mean Chey			
		Prey Choar, Klaeng, Kumpout Chhuk	Klaeng			
		Tbaeng Ka, Srangae, Trach, Ta Ream, Ruessei Cheah, Prey Pras	Tbaeng	Kampong Svay	228L	T.K.T.D Electricity Enterprise (Project 5)
		San Kor, Sari, Tang Krouch	San Kor			
		Sambour	Sambour	Prasat Sambour	326L	Vanna Layhim Electricity Enterprise (Project 2)
		Pralay, Ta Paong	Tang Krasau			
		Chheu Teal Chrum	Koul	Prasat Sambour	326L	Vanna Layhim Electricity Enterprise (Project 3)
		Veal Veang, Ansar Krahay	Chhuk			
		Boeng Thum, Tumnob, Thmei, Sraeung, Svay	Sraeung			
		Choam	Tang Krasau			
		Mreak ka	Tuol Kreul	Prasat Ballangk	327L	Mr. Khon Chettra (Project 3)
		Trapeang Thma, Kokir	Sala Visai	Sandan	328L	Mr. Seang Ty
		Rumchek, Krang, Pou ROUNG, Ansa, Pren	Sochet			
		Leaeng, Ronteah, Samraong, Kbal Damrei, Roneam, Khaos	Tum Ring	Baray	367L	Mr. Soeun Sophal (Project 8)
		Prey Dom, Chaeung Daeung, Ta Aong, Boeng, Tradaet, Ponnareay, Praneak, Ponley,	Chaeung Daeung			
		Pongro Ling, Rung	Krava			
		Bak Sna kraom, Bak Sna Leu, Trapeang Tuk, Andaot	Bak Sna			

		Anlong Thma, Anlong Veaeng, Veal Thum	Kokir Thum	Kong Pisei		
		Peam Atit, Trapeang Pring, Srae Veal	Sa Kream	Prasat Ballangk	368L	Miss. Tan Kimbouy (Project 5)
		Trapeang Knong, Srama, Phdiek, Kranhung	Phan Nheum	Kampong Svay		
		Ni Pechr kha	Ni Pechr			
		Voa Yeav	Damrei Slab			
		Veal Thnal	Sa Kream	Prasat Ballangk	368L	Miss. Tan Kimbouy (Project 6)
		Smaonh	Phan Nheum			
		Tiem Chas, Enteak Komar, Tnaot	Kampong Svay	Kampong Svay	387L	H.T.R.T Electricity Enterprise (Project 3)
		Bendei, Prey Kuy	Prey Kuy			
		Ta Theav, Koun Tnaot	Chey			
		At Su, Cheay Sampov, Ou Kru Kae	Sambour			
		Dang Anteak	Sala Visai	Prasat Ballangk		
		Chheu Tealm Boeng Rolum, Kampong Ta Baen, Veal Pring Leu, Veal Pring Kraom	Chheu Teal	Sandan	425L	Mr. Hou Thorn (Project 2)
		7	Kampot	Preaek Tnaot	Preaek Tnaot	Teuk Chhou
Ou Mkak, Trapeang Trakiet, Ta Kao Sbov Andaet	Dambouk Khpos			Angkor Chey	044L	Akisani Toek Chhou Co.,Ltd (Project 8)
Angk Khcheay Khang Cheung, Angk Khcheay Khang Tboung, Ponley	Dan Koum					
Pramoul, Chheu Teal Chrum	Tramaeng			Chhuk		
Tul, Veal Tbal	Mean Chey					
Lve	Krang Snay					
Pou Doh	Boeng Nimol					
Tuol	Lbaeuk					
Kaoh Ruessei	Trapeang Bei					
Trasek Kaong	Thmei					
Tuek kraham	Kandal					
Mean Ritth, Bos Trabeak	Trapeang Pring					
Chek	Chumpu Voan			Dang Tong		
Damnak Toap Khang Tboung	Krang Snay					
Chrey, Satv Pong	Satv Pong					

		Tuol, Tram, KorKir	Lbaeuk			
		Ponley, Trapeang Reang	Angkor Meas			
		Trapeang Seh, L’ang	L’ang			
		Trapeang Lbaeuk	Trapeang Bei			
		Trapeang Reang Ta Phol	Snay Anhchet	Chum Kiri		
8	Kandal	Kab Leav, Doun Vongs, Damrei Slab, ROUNg Kou, Trea, Moat Boeng	Trea	Kandal Stueng	153L	Boeung Khyang Electricity Enterprise (Project 3)
		Kaoh Knaor, Chambak Trab	Preaek Roka			
		Pralay	Boeung Khyang			
		Reang Dek, Kaoh Dechou	Kokir Thum	Kien Svay	170L	Electricity Chhun Ly Kokythom Enterprise (Project 3)
		Preaek Ampil , Preaek Doun Haem, Preaek Krabau muoy, Preaek Krabau Pir, Preaek Krabau Bei, Khleang Moeang Tboundg, Khleang Moeang Cheung	Preaek Ampil	Khsach Kandal	209L	Mr. Sok Pin (Project 3)
		Puk Ruessei Kraom	Puk Ruessei			
		Svay At Leu, Svay At Kandal, Svay At Kraom, Preaek Ta Meak, Boeng Krachab Tboundg, Anlong, Kampong Damrei	Preaek Ta Meak	Khsach Kandal	230L	Mrs. Thauy Vorun (Project 5)
9	Koh Kong	Kaoh Sdach	Kaoh Sdach	Kiri Sakor	106L	Mrs. An Samlan (Project 2)
10	Kratie	Prama	Damrei Phong	Chhloung	321L	TH & Koki Power Development Co., Ltd* (project 4)
		Khla	Saob	Preaek Prasab	353L	Mr. Sok Hengseang (Project 2)
		Trapeang Korkos, Ou Angkonh, Khsach Tob	Chrouy Banteay			
		Voadthonak Pir	Voadthonak	Sambour	353L	Mr. Sok Hengseang (Project 3)
		Khla	Saob	Preaek Prasab		
		Trapeang Korkos, Ou Angkonh, Khsach Tob	Chrouy Banteay			
		Voadthonak Pir	Voadthonak	Sambour		

11	Preah Vihear	Chambok Sen Chey	Kantuot	Choam Khsant	307L	Keo Nguon Co.,Ltd (Project 5)
		Sambour, Chouk Chey	Sangkae Pir	Chhaeb	410L	Mrs. Hak Sithat
		Pou Teab	Mlu Prey Muoy			
12	Prey Veng	Peanea Phsar, Peanea Kandal, Peanea Chuor	Kdoeang Reay	Kanhchriech	046L	Sokun Electrical Enterprise (Project 2)
		Mean Chey	Chong Ampil			
		Kong Lang Ti Bei, Veal, Bak Tang	Prey Khla	Svay Antor		
		Prey Khvaek, Boeng, Pou Chentam	Svay Antor			
		Me Bon	Me Bon			
		Roluos, Pou	Pratheat	Kampong Trabaek	247L	Akisani Kraul Ko Company Limited (Project 4)
		Ruessei Srok, Chruol, Trapeang Svay, Balang, Toap Siem	Kansaom Ak	Kampong Trabaek	343L	Nhem Horn Electrical Co., Ltd (Project 8)
		Pouthi Vong, Thum, Ta Ho, Ruessei, Ta Mung	Thkov			
		Trapeang krasang, Ta Proy, Prey Poun	Prey Poun			
		Ka Thum, Rong, Krang Leav	Cham			
		Ponhea Kaeut, Boeng Kratieb	Cheang Daek			
		Prey Thum, Trapeang Trav, Kou Khchak	Kou Khchak			
		Chheu Teal	Pratheat			
		Traok, Pnov, Chambak, Svay Pak, Samraong, Doung	Chrey			
		Trapeang Sekar	Sdau Kaong			
		Ta Preah	Preaek Ta Sar	Pea Reang	355L	Mr. Chhr Vengnguon (Project 6)
		Kampong Ruessei, Sna, Prey Krohuem	Kampong Ruessei			
		Pou Rieng Cheung, Pou Rieng Tboung, Veal Prov	Damrei Puon	Kampong Leav		
		Kampong, Svay, Prey Kanlaong, Popueus, Chreav	Popueus			
		Anlong Trea, Peam Sdei	Pean Rong			
		Kampong Ruessei , Sla, Chrey Krohuem, Prey Meas, Tnaot, Lvea	Kampong Ruessei	Pea Reang	355L	Mr. Chhr Vengnguon (Project 7)

		Pou Rieng Cheung, Pou Rieng Tboung, Veal Prov, yeay sal	Damrei Puon	Kampong Leav		
		Kampong, Prey Kanlaong	Prey Kanlaong			
13	Pursat	Boeng Chhuk, Ou, Samraong	Boeng Bat Kandal	Bakan	034L	Yen Yulay Electricity Enterprise (project 11)
		Chambak Meas, Anlong Mean, Snam Preah, Andoung Sanbuor, Sdok Svay	Snam Preah			
		Tram Seh, Svay Chrum	Boeng Bat Kandal	Bakan	034L	Yen Yulay Electricity Enterprise (project 12)
		Preah Bat, Snay Toul, Trapeang Chong, Kaoh Kaev, Kdei Chhnuol, Andoung	Trapeang Chong			
		Andoung Krasang, Snam Preah, Krapeu Rou, Andoung Sanbour	Snam Preah			
		Kampout Ang	Svay Doun Keo	Bakan	072L	Mr. Ya Sambath* (Project 2)
		Angkrong, Roveang, Tadors	Samraong	Phnom Kravanh	124L	Ear Laysean Krovanh Electricity Enterprise (Project 6)
		Vealvong	Rokat			
		Tanuk	Leach			
		Prohaos Kbal	Phteah Rung			
		Kbal Damrei	Ansa Chambak	Krakor	125L	S.V.V.T Electricity Co.,Ltd (Project 6)
		Tumpor, Pramaoy, Chheu Teal Chrum	Pramaoy	Veal Veaeng	281L	Mr. Vong Sambo (Project 4)
		Krang Rongiang, Pramaoy, Tumpor, Stueng Thmei	Pramaoy	Veal Veaeng	281L	Mr. Vong Sambo (Project 5)
		Say	Prongil	Phnom Kravanh	331L	Mr. Lim Pak (Project 5)
		Say	Prongil	Phnom Kravanh	331L	Mr. Lim Pak (Project 6)
		Boeng Kak, Trayang Sa, Brohal, Thmei, Paen, Prey Rong, Boaskor, Kouk Rumlo, Tuol Thma, Serei Kunthea, Ta Lou, Toul Chreav, Chhnal Moan	Ta Lou	Talou Senchey	332L	Mr. Nhean Vatana (Project 6)

		Kaoh Voat, Tuol Angkrong	Khnar Totueng	Bakan		
14	Ratanak Kiri	Katae, Ta Lav, Ta Nang, Inn	Ta Lav	Andoung Meas	372L	Mr. Seav Pisith (Project 2)
		Chay, Nay, Kaet	Nhang			
15	Siem Reap	Kouk Doung Thmei, Ta Tok, Prayut	Puok	Puok	035L	Vorn Virak Service Co., Ltd (Project 6)
		Ou, Sangvaeug Thmei	Sangvaeug	Chi Kraeng	129L	Mr. Chan Sok (Project 7)
		Kampleung	Srae Nouy	Varin	240L	Long Kimheng* (Project 7)
		Veal, Khun Ream	Khun Ream	Banteay Srei		
		Kouk Srok	Lvea Krang	Varin	240L	Heang Kimheng HS Power Co.,Ltd* (Project 8)
		Kambaor, Doun Kay Thmei	Chanleas Dai	Kralanh	311L	Mrs. Heng Siv Muy (Project 5)
		Kouk Pnov, Kandal, Leab, Romiet, Char Chas Char Thmei	Slaeng Spean	Srei Snam		
		Varin, Rumduol	Varin	Varin	359L	Akisani Warin Angkor Co., Ltd (Project 3)
		Tumneab Svay, Kab Dai, Prasat, Vien	Prasat			
		Char, Ou, Svay Sa, Ruessei Thum	Svay Sa			
16	Preah Sihanouk	Ou Trachakchet	Samrong	Prey Nob	029L	Mr. Sok Thy (Project 4)
		Andoung Thma	Andoung Thma			
		Tuol Toetueng Bei	Tuol Toetueng			
		Prey Nob Muoy	Prey Nob			
		Boeng Reang	Sameakki	Prey Nob	042L	Akisani Trapeang Ropov Co.,Ltd*
		Tuol	Tuek L'ak			
		Preaek Pras	Tuek Thla			
		Smach Daeng	Ream	Prey Nob	478L	VRTN Co., Ltd** (Project 2)
17	Svay Rieng	Prey Nhay, Krol Ko, Kouk Kandal, Ruessei Chuor Cheung, Prey Thnong, Khouch	Krol Ko	Svay Chrum	247L	Akisani Kraul Ko Company Limited* (Project 4)
		Traok	Chheu Teal			



		Thnong	Svay Thum			
		Prey Ta Nhay, Traok, Kandal, Ksetr	Ksetr	Kampong Rou		
		Samlei Khang Chueng, Samlei Khang Tboung, Svay Chek, Ta Pao, Prey Mnoas	Samlei	Chantrea	268L	Mr. Khan Siden (Project 8)
		Doun Nouy, Trapeang Run, Tuol Spean, Trapeang Die Kraom, Trapeang Thlok, Tuol Ampil	Chres			
		Traok, Ampil, Srae Ruessei, Trapeang Popel	Ampil	Romeas Haek	319L	Khmer Utility Trading (K.U.T) Company Ltd (Project 6)
		Kokir, Ta Veang, Trapeang Skon, Prey Kdei	Kokir			
		Chik Dei, Andoung Trabaek	Andoung Trabaek			
		Chamkar Kaoh, Prey Srah, Boeng Phe	Sambatt Mean Chey			
		Mream Khang Cheung	Mream			
18	Takeo	Ruessei Srok, Ou Sngaeun, Ta Tai	Nhaeng Nhang	Tram Kak	121L	Mr. Nget Soda (Project 4)
		Trapeang Rumpeak, Chrey Tnaot, Thma Kaev, Ang Roneab, Saen Aok, Trapeang Chak, Yeay La, Trapeang Ruessei, Niel, Trapeang Kaes	Tram Kak			
		Angk Kralanh	Kus			
		Prey Totueng, Samraong, Dei Kraham, Tuol Char	Samraong	Samraong	178L	Seng Vuthy Electricity Enterprise (Project 4)
		Thkov, Krang Chek, Svay Chek	Cheung Kuon			
		Ruessei Chum, Veang, Thmea, Kampong Trea	Trea	Tram Kak	197L	Electricity Ang Roka Enterprise* (Project 6)
		Prey Kdouch, Trapeang Skear, Trapeang Chak	Trapeang Kranhung			
		Angk Trav	Trapeang Thom Khang Cheung			
		Ta Sman	Samraong			
19	Oudor MeanChey	Trapeang Pring, Krang Ta Chan	Kus			
		Anlong Veaeang	Anlong Veaeang	Anlong Veaeang	240L	Long Kimheng* (Project 7)
		Souphi, Ou Chab Trey	Anlong Veaeang			

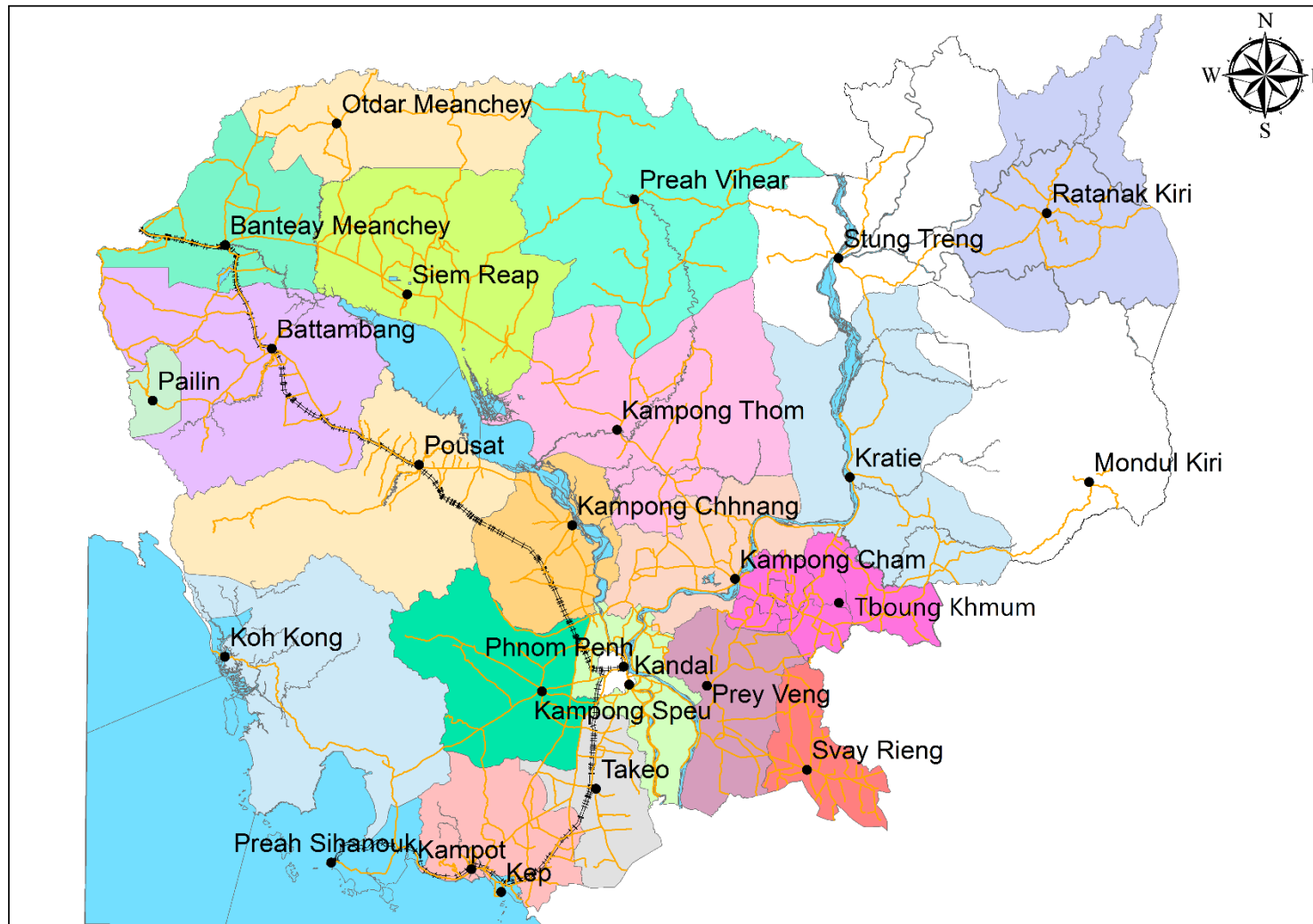
		Dei Kraham	Lumtong	Anlong Veaeang	240L	Heang Kimheng HS Power Co.,Ltd* (Project 8)
		Tumnob Dach	Tumnob Dach	Trapeang Prasat	312L	Mr. Phom Pheak (Project 3)
		Chey Nivat, Ta S’am, Tuol Pongro, Tram Paong, Sen Sok	Preah Pralay			
		Chhork, Bontey Chas	Chong Kal	Chong Kal	313L	Mr. Chhim Saro (Project 2)
		Cheung Tien	Cheung Tien			
		Kouk Ampil, Kouk Prasat, Dorng Tong	Koun Kriel	Samraong	444L	Mrs. Kong Chanda (Project 3)
		Sras Teuk	Ou Smach			
		Pursat, Yang Touch, Sla, Chi Puch, Thmei	Koun Kriel	Samraong	444L	Mrs. Kong Chanda (Project 4)
		Phlang, Trakiet ,Tbeng	Ou Smach			
20	Pailin	Ou Proes, Kra Chab, Dei Kraham, Koun Phnum, Khlong, Ou Tavau, Suon Ampov Khang Lech	Ou Tavau	Pailin	089L	Vanakpheap Development Co.,Ltd (Project 3)
		Suon Ampov Khang Koet, Pa Hi Tboung, Ta Gen Leu, Voat	Pailin			
		Thmei, Ou Ta Puk Kraom, Ou Peut	Toul Lvea			
21	Tboung Khmum	Chrey Laeung	Choam Kravien	Memot	277L	Mr. Sean Siphon (Project 3)
		Sla Kilou, Pong Tuek, Kdol Phsar, Kaoh Thma, Spean Changkum	Tonlung			
		Koun Krapeu	Choam Ta Mau			
		Kaoh Thma	Tonlung	Memot	277L	Mr. Sean Siphon (Project 4)
		Srae Veal	Teuk Chrov	Dambae	321L	TH & Koki Power Development Co., Ltd * (project 4)
		Pnov	Rumchek	Memot		
		Lou, Chhloung Mouy, Chhloung Pir, Chhloung Bei	Kampoan			
		Salang Bei	Kokir			
			Tuol Sralau, Ampil Tboung, Changva, Svay Ta Thoam, Lekh Boun Kaeut, Lekh Bei, Ampil Chrum, Bos Lhong, Trapeang Ruessei, Tuol Kbal Tonsaong	Ampil Ta Pok	Ou Reang Ov	478L

		Me Loung, Mien, Svay Pok, Thmei, Thma Samlieng, Boeng Cheung, Boeng Kandal, Prey Sambour Lech, Prey Sambour Kaeut	Mien			
		Stueng Reang, Ou Damray, Stueng Chey, Kong Chey, Cheung Vat, Thmei, Bangkean Sar, Andoung	Kong Chey			
	Tatal	803 Villages	257 Communes	81 Districts	82 Licenses	
Funded by Kreditanstalt für Wiederaufbau (KfW)						
1	Battambang	Kilou, Phcheav	Traeng	Rotonak Mondol	309L	Mr. Ngov Lyhour (Project 5)
2	Kampong Cham	Sambour	Sambour	Batheay	400L	Mr. Hong Sengkry* (Project 6)
3	Kampong Chhnang	Ta Ney	Chieb	Tuek Phos	119L	Mr. Un Sothea (Project 10)
		Srae Chan	Tuol Khpos			
		Kdol	Krang Skear			
		Kdol	Krang Skear	Tuek Phos	119L	Mr. Un Sothea (Project 11)
		Kaoh Khtum	Chieb			
		Prey Chrov	Tuol Khpos			
		Tang Sya	Kbal Tuek			
		Svay Chek, Peareang	Chaong Maong			
		Boeng Steng	Khlong Popok			
		Trapeang Chambak, Oknha Pang, Boeng Kak, Spean Pou, Anlong Tnaot	Longveaek	Kampong Tralach	415L	Mrs. Ker Varin* (Project 6)
		Stueng, Krang Ta Aek	Peani			
		Svay Ph'aem	Svay	Sameakki Mean Chey		
		Thlok Ruessei, Boeng Leach	Sedthei			
		Veal Ta King	Tbaeng Khpos			
		Sambok Kreal	Krang Lvea			
		Chrak Kov, Chrab Kantuot, Srae Ruessei, Krang Beng	Peam			

		Stueng Thmei	Anhchanh Rung	Baribour	429L	Mrs. En Chantha (Project 2)
		Kbal Thnal	Phsar			
		Kraol Chi	Popel			
		Krang Skear	Krang Skear	Tuek Phos		
4	Prey Veng	Trapeang Tuem, Trapeang Seh	Preal	Kanhchriech	259L	Inter BP Solution Corporation (Project 5)
		Chambak Kaong, Samraong	Doun Koeng	Kamchay Mear		
		Chres Lech, Trapeang Chhuk	Trabaek			
		Sraloung, Sralei, Koun Ruessei	Smaong Khang Tboung			
		Moat Prey	Cheung Phnum	Ba Phnum	267L	Nov Sophea Electricity Enterprise (Project 3)
		Kraol Kou Chheu Kach Trea	Chheu Kach			
5	Siem Reap	Prey Chhkar, Sralau Sraong, Dob Tnaot, Kreang, Chek	Pongro Leu	Chi Kraeng	111L	Mr. Kong Vun* (Project 6)
		Kouk Romeas, Thnal Ta Set, Kakaoh, Prasat, Patat, Boeng Thum	Kouk Thlok Kraom			
		Khla khmum, Sala, Ro ka	Kouk Thlok Leu			
		Thmei	Pongro Kraom			
		Chamreh, Spean Tnaot Muoy, Spean Tnaot Pir	Spean Tnaot			
		Ta Nguon, Kouk Ampil	Lveaeng Ruessei			
Total		65 Villages	28 Communes	3 Districts	8 Licenses	
Grand Total		868 Villages	285 Communes	84 Districts	89 Licenses	

**Remark:** Out of 868 there are 2 villages in which program with funding from both EDC and KfW were implemented.

**Annex 6**  
**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 2021**



### Annex 7

#### Provincewise information on licensees who have executed contracts, funded by EDC, with REF for getting grant assistance to Promote Access to Grid Electricity for ID Poor Households in rural areas in 2021

Province	Area of Supply	License No.	Name of Licensee	Source of Supply
Kampong Cham	Some part of Chamkar Leu District	038L	Tnal Bek Chamkar Leu Electricity Enterprise (Project 6)	Electricity Skon-Chamkarleu
Kampong Chhnang	Kampong Leaeng District	421L	Akisany KPLE Co., Ltd (Project 3)	OSVR Trading Co., Ltd
Kampong Thom	Khum San Kor and Khum Tbeng, Kampong Svay District	228L	TKTD Electricity Enterprise (Project 4)	BVC Power Development
	Some part of Baray District	367L	Mr. Soeun Sophal (Project 9)	BVC Power Development
	Some part of Kampong Svay, Prasat Ballangk, Prasat Sambor District, nad Krong Stueng Sean	387L	H.T.R.T Electricity Enterprise (Project 3)	BVC Power Development
Kampot	Chum Kiri District	197L	Electricity Angroka Enterprise* (Project 3)	EDC
Kratie	Some part of Prek Prasorb and Sombo District	353L	Mr. Sok Hengseang (Project 3)	EDC
Pursat	Some parts of Krokro District and Kandeang District	125L	S.V.V.T Electricity Co. Ltd (Project 2)	EDC
	Some parts of Khum Svay Sor and Khum Chheu Tom, Krokro District	383L	Mrs. Khim Hieng (Project 2)	EDC
Takeo	Some part of Tramkork District	197L	Electricity Angroka Enterprise* (Project 3)	EDC

Note: \* Area of supply in 2 provinces.

### Annex 8

#### Provincewise summary information on contracted target number of rural households to be connected to supply system, Number of rural household connected to supply system and present position funded by EDC under OBA Program to Promote Access to Grid Electricity for ID Poor HH in 2021

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
Kampong Cham	038L	Tnal Bek Chamkar Leu Electricity Enterprise (Project 6)	92	92	Disbursed
Kampong Chhnang	421L	Akisany KPLE Co., Ltd (Project 3)	100	86	Disbursed
Kampong Thom	228L	TKTD Electricity Enterprise (Project 4)	205	205	Disbursed
	367L	Mr. Soeun Sophal (Project 9)	117	117	Disbursed
	387L	H.T.R.T Electricity Enterprise (Project 3)	362	362	Disbursed
Kratie	353L	Mr. Sok Hengseang (Project 3)	100	100	Disbursed
Pursat	125L	S.V.V.T Electricity Co. Ltd (Project 2)	145	-	On going
	383L	Mrs. Khim Hieng (Project 2)	200	-	On going
Takeo	197L	Electricity Angroka Enterprise* (Project 3)	250	-	On going
<b>Total</b>			<b>1,571</b>	<b>962</b>	

**Annex 9**  
**List of villages covered, under funding by EDC, by OBA Program to Promote Access to Grid Electricity for ID Poor HH was implemented in 2021**

No.	Province	Villages	Commune	District	License No.	Licensee
1	Kampong Cham	Phum Bei	Lvea Leu	Chamkar Leu	038L	Tnal Bek Chamkar Leu Electricity Enterprise (Project 6)
		Ou Ta Seng, Svay Teab, Rumchek, Neang Laerng	Ta Prok			
2	Kampong Chhnang	Samraong Saen, Paprak	Samraong Saen	Kampong Leng	421L	Akisany KPLE (Project 3)
		Lech, Thlok	Chranouk			
		Trangel, Trapeang Meas, Chres, Trabaek	Trangel			
		Kampong Boeng	Kampong hau			
		Thmei, Pou, Peam Tonlea	Pou			
		Chambak Khpos, Knong	Svay Rumpear			
3	Kampong Thom	Kbel, Balang, Krasang Ka, Krasang Kha, Sampov Meas, Veal, Ampil, San Kor Ka, Slaeng Khpos, Chey, Tang Krouch	Sann kor	Kampong Svay	228L	T.K.T.D Electricity Enterprise (Project 4)
		Pou, Prey Pras, Tram Khla, Ta Am, Chheu Teal, Tbaeng Ka, Tbaeng Kha, Ta Ream, Ba Kong, Srangae, Ou Ambaeng	Tbaeng			
		Nipech ka	Ni Pech			
		Krava, Sla Kaet, Leav, Pongro Ling, Char, Rung	Krava	Baray	367L	Mr. Soeun Sophal (Project 9)
		Trapeang Sangke, Anlong Veang, Tuk Pir, Veal Spor, Ta Pov, Veal Thum, Lbaeuk, Poun, Anlong Thma	Kokir Thum			
		Kampong Poun	Bak Sna			



		Tnaot, Ou Sala, Tiem Chas, Ta Am, Chrang Kraham, Anlong Krasang, Chong Prey, Enteak Komar, Ta Paong, Souchey	Kampong Svay	Kampong Svay	387L	H.T.R.T Electricity Enterprise (Project 3)
		Trapeang areaks, Prey Tob, Mohar, Koun Tnaot, Ta Theav	Chey			
		Voa Yeav, Trapeang Thma, Trapeang Chambak, Lvey, Ou Rumdaeng	Trapeang Ruessei			
		Bendei, Svay Khlouk, Prey Kuy, Anlong Louk, Sambuor	Prey Kuy			
		Trapeang Phdiek, Bos Sramaoch, Trapeang Kraol, Sala Popel, Ruessei Duoch, Bos Veaeng	Sala Visai	Prasat Balangk		
		At Su, Cheay Sampov, Ou Kru Kae	Sambour			
4	Kratie	Kaeng, Kampong Dar, Roka Thum, Chrouy Banteay, L'iet	Chrouy Banteay	Prek Prasab	353L	Mr. Sok Hengseang (Project 3)
		Thma Reab	Prek Prasab			
		Saob Kraom, Saob Leu, Khla, Boeng Chraeng, Preaek Roka, Preaek Chik	Saob			
		Yeav, Tonsaong Thleak	Kampong Cham	Sambour		
Total		107 Villages	14 Communes	7 Districts	6 Licenses	

### Annex 10

Map showing the provinces in which Output Based Aid (OBA) Program to Promote Access to Grid Electricity for ID-Poor Households, is implemented in 2021



**Annex 11**  
**Provincewise information on licensees who have executed contracts, funded by EDC, under Power to the Poor Program by**  
**Providing of \$50 Subsidy per Households in 2021**

<b>Province</b>	<b>Area of supply</b>	<b>License No.</b>	<b>Name of Licensee</b>	<b>Source of supply</b>
Kampong Cham	Some part of Chamkar Leu District	038L	Tnal Bek Chamkar Leu Electricity Enterprise (Project 2)	Electricity Skon-Chamkarleu
Kampt	Chum Kiri District	197L	Electricity Angroka Enterprise* (Project 2)	EDC
Kandal	Some part of Sa'Ang District	179L	Akisni Nhoek My Enterprise* (Project 2)	LMK
Pursat	Some part of Phnum Kravanh District and Krong Pursat	331L	Mr. Lim Pak	EDC
Takeo	Baty and Preykabas District	179L	Akisni Nhoek My Enterprise* (Project 2)	LMK
	Some part of Tramkork District	197L	Electricity Angroka Enterprise* (Project 2)	EDC

Note: \* Area of supply in 2 provinces.

## Annex 12

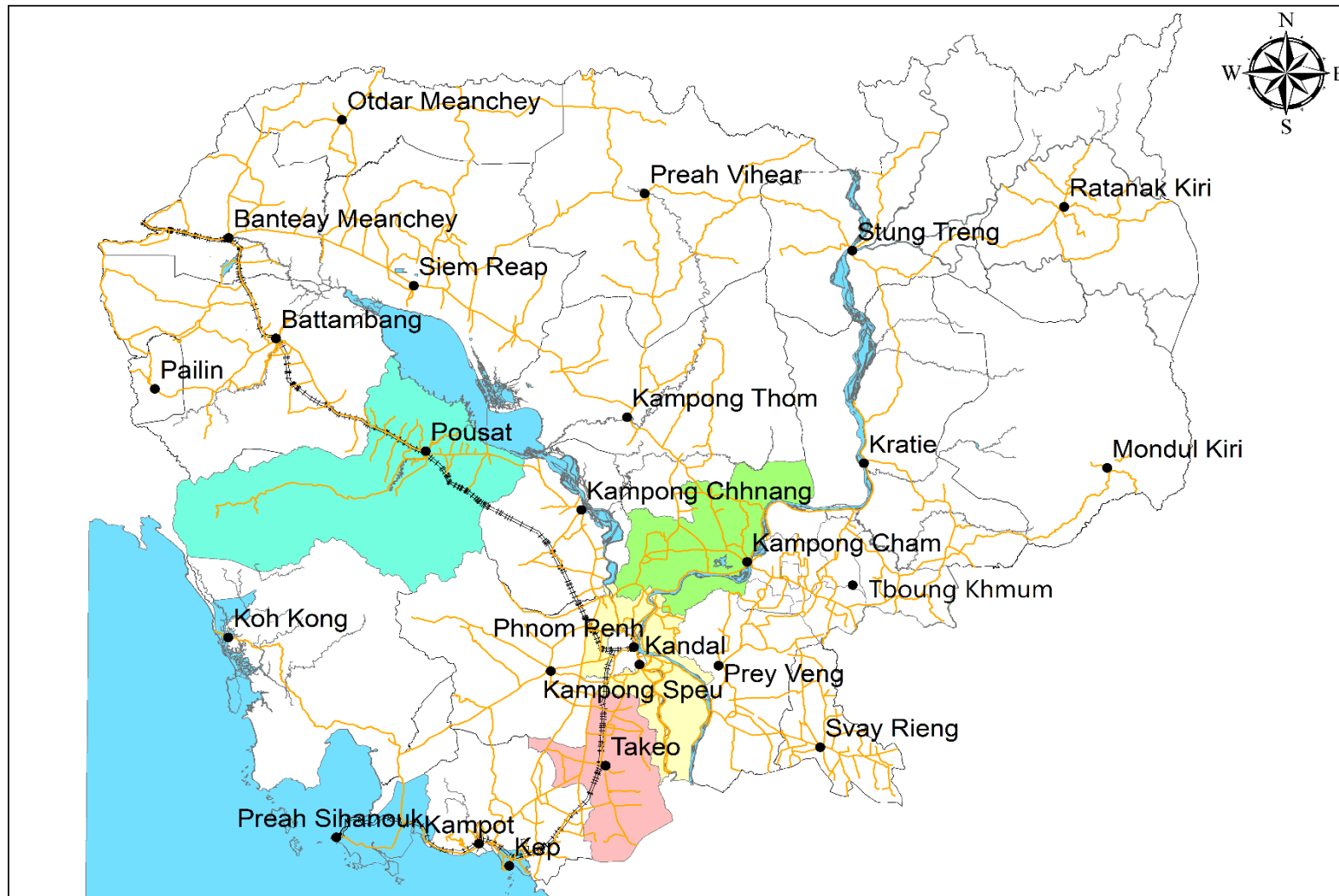
**Provincewise summary information on contracted target number of rural households to be connected to supply system,  
Number of rural household connected to supply system and present position funded by EDC under Power to the Poor Program by Providing of \$50  
Subsidy per Households in 2021**

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
Kampong Cham	038L	Tnal Bek Chamkar Leu Electricity Enterprise (Project 2)	30	30	Disbursed
Kampt	197L	Electricity Angroka Enterprise* (Project 2)	-	-	-
Kandal	179L	Akisni Nhoek My Enterprise* (Project 2)	-	86	Disbursed
Pursat	331L	Mr. Lim Pak	250	166	Disbursed and on going
Takeo	179L	Akisni Nhoek My Enterprise* (Project 2)	-	14	Disbursed
	197L	Electricity Angroka Enterprise* (Project 2)	250	-	On going
<b>Total</b>			<b>530</b>	<b>296</b>	

**Annex 13**  
**List of villages covered, under funding by EDC, by Power to the Poor Program by Providing of \$50**  
**Subsidy per Households was implemented in 2021**

No.	Province	Villages	Commune	District	License No.	Licensee
1	Kampong Cham	Chhuk, Svay Teab, Neang Laeung	Ta Prok	Chamkar Leu	038L	Tnal Bek Chamkar Leu Electricity Enterprise (Project 2)
2	Kandal	Kampong Pou, Andoung, Ping Pong, Roka, Vihear, Ampil, Ta Kol, Samraong, Tuol Krang, Kandal, Kor, Ta Pech, Chek, Svay Damnak	Krang Yov	Sa' Ang	179L	Akisni Nhoek My Enterprise*(Project 2)
		Preaek Reang	Tuek Vil			
		Kouk Andaet	Sa' Ang Phnom			
3	Pursat	Say	Prongil	Phnum Kravanh	331L	Mr. Lim Pak
		Svay Meas	Chomreun Phal	Purast		
4	Takeo	Svay Chek	Char	Prey Kabbas	179L	Akisni Nhoek My Enterprise* (Project 2)
		Pramoul Sokh, Yuthka, Chek, Svay Kham	Doung	Bati		
Total		26 Villages	8 Communes	6 Districts	3 Licenses	

**Annex 14**  
**Map showing the provinces in which Power to the Poor Program by Providing of \$50 Subsidy per Households**  
**under funding by EDC is implemented in 2021**



### Annex 15

#### Provincewise information on licensees under contracts , for agricultural irrigation, with REF for getting assistance to Improve existing and develop electricity infrastructure in rural areas in 2021

Province	Area of supply	License No.	Name of Licensee	Source of supply
Banteay Meanchey	Some part of Phnom Srok Districts	081L	Mr. Muon Han (Project 15)	EDC
Battambang	Some part of Lhum Lvea and Khum Prey Khpos, Bavel District	242L	Mrs. San Chhan (Project 2)	EDC
			Mrs. San Chhan (Project 2) Add	
	Some part of Moug Reussey and Rukha Kiri Districts	303L	S.V.R.A Electricity Service Enterprise* (Project 4)	EDC
Kampong Cham	Khum Batheay, Batheay District	400L	Mr. Hong Sengkry* (Project 20)	EDC
Kampong Chhnang	Some part of Kampong Tralach District	400L	Mr. Hong Sengkry* (Project 20)	EDC
Kampong Thom	Some parts of Baray District	245L	Mr. Chhea Sokhom (Project 5)	BVC Power Development
Kandal	Some part of Sa-Ang and Koh Thom Districts	049L	Eastern Power Supply Enterprise (EAPOSE) (Project 16)	Akissni Keansvay
Prey Veng	Some part of Khum Prasat and Khum Ansorng Kampong Trabek District	036L	Mrs. Pauch Kim (Project 17)	Nhem Horn Electrical
	Some part of Kampong Trobek District	247L	Akisni Kraul Kou Company* (Project 19)	EDC
	Some part of Kampong Trabaek, Ba Phnum, and Me Sang Districts	343L	Nhem Horn Electrical (Project 18)	Vietnam
Pursat	Some part of Bakan District	033L	Chhuo Nguon Electricity Enterprise (Project 6) Add	EDC
	Some part of Bakan District	033L	Chhuo Nguon Electricity Enterprise (Install Prepaid TOU Meter)	EDC
	Some part of Bakan and Phnom Kravanh Districts, Krong Pursat	034L	Yen Youlay Electricity Enterprise (Project 7) Add	EDC
	Some part of Bakan and Phnom Kravanh Districts, Krong Pursat	034L	Yen Youlay Electricity Enterprise (Project 7) 2 <sup>nd</sup> Add	EDC

	Some part of Bakan and Phnom Kravanh Districts, Krong Pursat	034L	Yen Youlay Electricity Enterprise (Install EDMI)	EDC
	Some part of Bakan and Phnom Kravanh Districts, Krong Pursat	034L	Yen Youlay Electricity Enterprise (Install Prepaid TOU Meter)	EDC
	Some part of Khum Rumlech and Ou Ta Paong, Bakan District	102L	Mr. Preab Vannaret (Install Prepaid TOU Meter)	EDC
	Some part of Phnom Kravanh District	124L	Ear Laysean Krovanh Electricity Enterprise (Project 21)	EDC
	Some part of Veal Veng District	303L	S.V.R.A Electricity Service Enterprise* (Project 4)	EDC
	Some part of Phnum Kravanh District and Krong Pursat	331L	Mr. Lim Pak (Install Prepaid TOU Meter)	EDC
	Some part of Kandeang, Bakan Districts and Krong Pursat	382L	Mrs. Kim Siphall, Add	EDC
	Some part of Khum Svay Sa and Khum Chheu Tom., Krakor Districts	383L	Mrs. Khim Heang (Project 13)	EDC

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



**Annex 16**  
**Provincewise information on contracted target length of network, constructed length of network, and present position**  
**under Program for Providing Electricity for Pumping for Agricultural Irrigation Uses in 2021**

Province	License No.	Name of Licensee	Electricity infrastructures on contracted				Electricity infrastructures Constructed				Present Situation
			Km		Set		Km		Set		
			MV	LV	Tr	TOU	MV	LV	Tr	TOU	
Banteay Meanchey	081L	Mr. Muon Han (Project 15)	17	20	10	-	17	20	10	-	Disbursed and Transferred to Licensee
Battambang	242L	Mrs. San Chhan (Project 2)	-	-	-	-	5	6	2	5	Disbursed and Transferred to Licensee
		Mrs. San Chhan (Project 2) Add	-	-	-	-	17	21	9	-	Disbursed and Transferred to Licensee
	303L	S.V.R.A Electricity Service Enterprise* (Progject 4)	-	-	-	-	16	17	8	12	Disbursed and Transferred to Licensee
Kampong Cham	400L	Mr. Hong Sengkry* (Project 20)	1.45	1.45	2	-	1.45	1.45	2	-	Disbursed and Transferred to Licensee
Kampong Thom	245L	Mr. Chhea Sokhom (Project 5)	-	-	-	-	44.83	52.76	20	12	Disbursed and Transferred to Licensee
Kandal	049L	Eastern Power Supply Enterprise (EAPOSE) (Project 16)	5.5	7	4	7	5.48	7	4	7	Disbursed and Transferred to Licensee

Prey Veng	036L	Mrs. Pauch Kim (Project 17)	9	11	6	-	8.99	10.97	6	-	Disbursed and Transferred to Licensee
	247L	Akisni Kraul Kou Company* (Project 19)	3	3	2	-	2.98	2.98	2	-	Disbursed and Transferred to Licensee
	343L	Nhem Horn Electrical (Project 18)	17	26	10	-	17	25.85	10	-	Disbursed and Transferred to Licensee
Pursat	033L	Chhuo Nguon Electricity Enterprise (Project 6) Add	-	-	-	-	4	5	3	-	Disbursed and Transferred to Licensee
		Chhuo Nguon Electricity Enterprise (Installed Priepaid TOU)	-	-	-	2	-	-	-	2	Disbursed
	034L	Yen Youlay Electricity Enterprise (Project 7) Add	-	-	-	-	17	19	7	-	Disbursed and Transferred to Licensee
		Yen Youlay Electricity Enterprise (Project 7) 2 <sup>nd</sup> Add	-	-	-	-	10	11	5	-	Disbursed and Transferred to Licensee
		Yen Youlay Electricity Enterprise (Installed EDMI)	-	-	-	1	-	-	-	1	Disbursed and Transferred to Licensee
		Yen Youlay Electricity Enterprise (Installed Priepaid TOU)	-	-	-	2	-	-	-	2	Disbursed
	102L	Mr. Preap Vannareth (Installed Priepaid TOU)	-	-	-	3	-	-	-	3	Disbursed
	124L	Ear Laysean Krovanh Electricity Enterprise (Project 21)	-	-	-	-	3	4	2	-	Disbursed and Transferred to Licensee

	331L	Mr. Lim Pak (Project 11) (Installed Priepaid TOU)	-	-	-	1	-	-	-	1	Disbursed
	382L	Ms. Kim Siphah, Add	-	-	-	-	5.10	5	2	-	Disbursed and Transferred to Licensee
	383L	Mrs. Khim Heang (Project 13)	-	-	-	-	-	7	3	4	Disbursed and Transferred to Licensee
	<b>Total</b>		<b>52.95</b>	<b>68.45</b>	<b>34</b>	<b>16</b>	<b>174.83</b>	<b>216.01</b>	<b>95</b>	<b>49</b>	

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

**Annex 17**  
**List of villages covered under Program for Providing Electricity for Pumping for Agricultural Irrigation Uses, in 2021**

No.	Province/City	Villages	Communes	District	License No.	Licensee
1	Banteay Meanchey	Phon Ley, Kamping Pouy	Phnum Dei	Phnum Srok	081L	Mr. Muon Han (Project 15)
		Sra Chhouk Khang Kheut, Kouk Ta Reah, Kouk Kraul	Srah Chik			
2	Battambang	Tani	Lvea	Bavel	242L	Mrs. San Chhan (Project 2)
		Dankor Paen, Sro Nal	Prey Khpos	Bavel	242L	Mrs. San Chhan (Project 2) Add
		Kbal Spean	Lvea			
		Tani	Lvea	Bavel	242L	Mrs. San Chhan (restoration)
		Chong Por, Preah Andoung, Toul Svay, Pralay18	Prey Tralach	Moung Ruessei	303L	S.V.R.A Electricity Service Enterprise* (Project 4)
3	Kampong Cham	Sambour	Sambour	Batheay	400L	Mr. Hong Sengkry* (Project 20)
4	Kampong Thom	Toul Ta Mum, Kaoh Reah, Toul Po Phlea, Kouk Trabaek	Sralau	Baray	245L	Mr. Chhea Sokhom (Project 5)
		Ro Phaek Pen, Kamchay Mea, Kamngat, Triel	Triel			
5	Kandal	Khlaing Lech, Pheam Phtoul Lech	Leuk Daek	Kaoh Thum	049L	Eastern Power Supply Enterprise (EAPOSE) (Project 16)
6	Preyveng	Sambour, Ta Orun, Ansaong, Banteay Bouss	Ansaong	Kampong Trabaek	036L	Mrs. Pauch Kim (Project 17)
		Kreul	Pratheath			
		Kreul, Pou, Prey Ngeat	Pratheath	Kampong Trabaek	247L	Akisni Kraul Kou Company* (Project 19)
		Trapaing Rokot	Ansaong	Kampong Trabaek	343L	Nhem Horn Electrical (Project 18)
		Ta Moung	Thkov			
		Trapaing Krasaing, Prey Kram, Angko	Prey Poun			

		Boeng Kra Tib, Cheang Daek , Ta Meas, Ang Krorng, Krang Veng, Thnoeng	Cheang Daek			
7	Pursat	Kom Prak Koun, Dam Nak Thnong, Bour Sra Ngae	Khnar Totueng	Bakan	033L	Chhuo Nguon Electricity Enterprise (Project 6) Add
		Boeng Chhouk	Khnar Totueng	Bakan	033L	Chhuo Nguon Electricity Enterprise (Installed Priepaid TOU)
		Ou Rum Cheak	Trapeang Chorng	Bakan	034L	Yen Youlay Electricity Enterprise (Project 7) 2nd Add
		Preah Chambak, Kab Kralach, Srae Lvea	Trapeang Chorng	Bakan	034L	Yen Youlay Electricity Enterprise (Project 7) Add
		Kan Doeng Meas	Snam Preah			
		Kaoh Keo	Trapeang Chorng	Bakan	034L	Yen Youlay Electricity Enterprise (Installed EDMi)
		Doung Chrum	Boeng Bat Kandal	Bakan	034L	Yen Youlay Electricity Enterprise (Installed Priepaid TOU)
		Rumlech	Rumlech	Bakan	102L	Mr. Preap Vannareth (Installed Priepaid TOU)
		Ang Krorng	Samraong	Phnum Kravanh	124L	Ear Laysean Krovanh Electricity Enterprise (Project 21)
		Kampaeng	Prongil	Phnum Kravanh	331L	Mr. Lim Pak (Project 11) (Installed Priepaid TOU)
		Trampear	Snam Preah	Bakan	382L	Ms. Kim Siphah, Add
		Tuol Andaet, Ansa Chambak, Trapaing Chhoul	Svay Sa	Krakor	383L	Mrs. Khim Heang (Project 13)
		Bamnok, Kandal	Chheu Tom			
Total		62 Villages	23 Communes	10 Districts	7 Licenses	

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

**Annex 18**  
**Map showing the provinces for Program for Providing Electricity for Pumping for Agricultural Irrigation Uses, in 2021**

