

Electricité Du Cambodge Department of Rural Electrification

Completion Report on Transferring the Real Benefits to the Rural Population under Funding by KfW





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



It gives me great pride to present the completion report of Department of Rural Electrification Fund of EDC (hearinafter called "REF") titled "Transferring the Real Benefits to the Rural Population for the years 2015 to 2018 under funding by KfW". 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.

From 2015 to 2018, KfW provided a fund of \$10.29 million to REF through EDC 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 by implementation of the following 3 programs:

- 1st 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. From 2015 to 2018, this program, funded by KfW, has directly benefited 2,721 rural families, equivalent to 12,516 persons.
- 2nd 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. REF provides a subsidy of USD 100 per SHS-50Wp and SHS-80Wp to rural households, as assistance to reduce the cost of the SHS and the purchaser shall pay back the amount in monthly installment without interest, in a period of four years. After the purchaser has paid the remaining cost in full, the SHS becomes the property of the purchaser. From 2015 to 2018 under funding by KfW, this program has directly benefited 20,753 rural families' equivalent to 95,463 persons.
- 3rd 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. From 2015 to 2018 under funding by KfW, 65 licensees have directly benefited from this program by constructing 1,418.70 km long lines.

The above efforts have resulted in many direct and indirect benefits for a large number 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 years 2015 to 2018 under funding by KfW" is compiled English.

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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.

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KEO ROTTANAK Minister attached to the Prime Minister Managing Director of EDC

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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 4th 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 31st January 2012 and funds were not made available to meet the operation expenses of REF. On 22nd 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 department¹ 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.

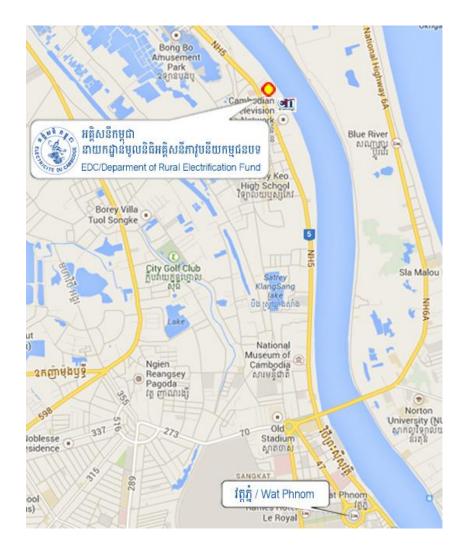


¹ Decision No. 0898 dated September 12, 2012 on the integration of REF institution in the management structure and organization of EDC.

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 <u>www.ref.gov.kh</u>.





2.5 The Sources of Fund

The sources of fund for REF² are as follows:

- 1. Social budget package provided in electricity tariff of EDC and other donations of EDC, if any.
- 2. Donations and grants from KfW.
- 3. 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).
- 4. Other sources from RGC.

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

From 2015 to 2018, KfW has provided a fund of \$10.29 million to REF for extending the benefits of electrification to the population in rural area.

² 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.

The funds received back by REF from the repayment under the three programs below has been reused by REF for the implementation of these programs in subsequent years.

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.

Chapter 3 Information on Objectives, Mission and Program of REF for Transferring the Real Benefits to the Rural Population

3.1 Objectives

The objectives of REF are as follows³:

- 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.
- 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 2020 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

REF is implementing the following programs:

³ 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 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.

3.4 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 SHS Program

Criterion for SHS are as follows:

A. For SHS-50Wp and SHS-80Wp materials are for sale to and installation at remote rural households

- The remote rural area, which may not have access to the electricity network for a long period and the area which may not have access to the electricity network for at least 5 years.
- Sale and installation at rural households and pagoda in rural area throughtout the Kingdom of Cambodia. One HH and one pagoda are eligible for one SHS.
- Provide a subsidy of \$100 per SHS to rural households, as assistance to reduce the cost of the SHS and the cost of installation.
- The purchaser agrees to repay the remaining cost without interest of the SHS (remaing cost is the cost after deducting the subsidy of \$100 per SHS) in installments to REF within the period of 48 months. The pagoda agrees to pay the full remaining cost after deducting the subsidy at the time of installation. After the purchaser has paid the remaining cost in full, the SHS will become the property of the purchaser.
- The household can choose, the pay back of the remaining cost by any one of the 3 options: option (i) payoff the remaining cost at the time of installation or option (ii) payment of half-yearly installments in the beginning of each half-year within a period of 4 years or option (iii) every two months instalments within a period of 4 years.
- No down payment. The first installment is to be paid on the date of commissioning of the SHS. Subsequent installments of payment are to be paid until the amount is paid back in full. Payments are to be made to the seller or its authorized representative.
- No interest is chargeable for payment in installments.
- The transportation, installation, collection of repayment and maintenance of the SHS is through a local private firm.
- The fees for transportation, installation, collection of repayment and maintenance of the SHS are born by REF.
- The purchaser shall agree to execute the contract and other legal documents with REF.

B. For SHS-5Wp and SHS-10Wp materials are for donation to rural HHs at remote areas.

3.4.3 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 50% 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 60% 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 50% 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 50% of the cost of the cost of the project and the amount of the interest free assistance will not exceed 50% of the project and the amount of the interest free assistance will not exceed 50% of the cost of the project and the amount of the interest free assistance will not exceed 50% 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.

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 are as follow:

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

4.1.1 Progress, Achievement and Analysis of P2P Program

From 2015 to 2018, 14 contracts with 12 licensees for providing new connections in rural areas under P2P program have been executed by REF are funded by KfW. The total target number of connections under these 14 contracts is 3,318 rural households (HH) and the achievement is 2,721 HH.

Provincewise summary information on execution of contracts funded by KfW under P2P Program from 2015 to 2018 is given in **Annex 1**.

Out of the 14 contracts, for some contracts 100% target was achieved within the contract period, whereas for some contracts part target was achieved within the contract period and such contracts have been terminated on the expiration of the contract period. 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 KfW under P2P Program from 2015 to 2018 is given in **Table 1** below:

Table 1: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 KfW under P2P Program from 2015 to 2018

| No. | Province | Contracted taget number of rural HH to be connected to supply system, (HH) | Number of rural HH connected to supply system, (HH) |
|-----|--------------|---|---|
| 1 | Battambang | 561 | 561 |
| 2 | Kampong Thom | 103 | 103 |
| 3 | Koh Kong | 210 | 210 |
| 4 | Kratie | 705 | 669 |
| 5 | Prey Veng | 620 | 620 |
| 6 | Pursat | 162 | 84 |
| 7 | Svay Rieng | 770 | 287 |
| 8 | Takeo | 187 | 187 |
| | Total | 3,318 | 2,721 |

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 under P2P Program funded by KfW is given in **Annex 2**.

2,721 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 12,516 persons.

P2P program has provided the much needed impetus to rural HH in getting electricity for use in the rural HHs.

The challenges in implementation of P2P program are migration of borrowers abandoning the HH connected to electricity and non payment by the borrowers resulting in the unwillingness of the licensee to payback.

Provincewise total number of villages and villages in which P2P program was implemented funded by KfW under P2P Program is given in **Table 2** below:

| No. | Province | Total number of villages (Census) | Number of villages in which P2P Program was implemented |
|-----|--------------|--------------------------------------|---|
| 1 | Battambang | 799 | 21 |
| 2 | Kampong Thom | 738 | 3 |
| 3 | Koh Kong | 117 | 3 |
| 4 | Kratie | 253 | 19 |
| 5 | Prey Veng | 1,137 | 28 |
| 6 | Pursat | 501 | 16 |
| 7 | Svay Rieng | 690 | 36 |
| 8 | Takeo | 1,119 | 17 |
| | Total | 5,354 | 143 |

Table 2: Provincewise total number of villages and villages in which P2P programwas implemented funded by KfW under P2P Program from 2015 to 2018

List of villages covered, under funding by KfW, by P2P Program from 2015 to 2018 is given in **Annex 3**.

Map showing the provinces in which P2P Program under funding by KfW, is implemented from 2015 to 2018 is given in **Annex 4**.

4.1.2 Site Inspection Activities on Implementation of P2P Program

To ensure that the implementation of P2P program is implemented in a transparent and proper manner, REF staff verified the new connection to rural consumers under P2P program for all licensees who implemented this program. Some physical activities of new connection verification are shown pictorially below:

Mrs. Chea Sokeng, license No. 346L for providing electricity service at some parts of Sambour District, Kratie Province



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

4.2.1 Progress, Achievement and Analysis of SHS Program

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.

From 2015 to 2018 under funding by KfW, REF Implemented 4 types of SHS system, (i)- 6,000 SHS-80Wp, (ii)- 3,900 SHS-50Wp, (iii)- 4,500 SHS-10Wp, (iv)- 6,353 SHS-5Wp, including 11,450 LED 3W Lamps and 2,400 pieces of Batteries 55Ah 12Vdc.

Provincewise information on 20,753 SHS installed to rural HHs from 2015 to 2018 is given in **Table 3** below:

| No. | Province | Number of SHS installed |
|----------|-----------------|-------------------------|
| SHS-80Wp | | |
| 1 | Battanbang | 992 |
| 2 | Kampong Chhnang | 421 |
| 3 | Preah Vihear | 835 |
| 4 | Siem Reap | 68 |
| 5 | Stung Treng | 395 |
| 6 | Otdar Meanchey | 3,289 |
| | Total SHS-80Wp | <u>6,000</u> |
| SHS-50Wp | | |
| 1 | Battanbang | 1,804 |
| 2 | Kampong Chhnang | 123 |
| 3 | Preah Vihear | 537 |
| 4 | Siem Reap | 479 |
| 5 | Stung Treng | 957 |
| | Total SHS-50Wp | <u>3,900</u> |
| SHS-10Wp | | |
| 1 | Battanbang | 1,200 |
| 2 | Kampong Chhnang | 400 |
| 3 | Kampot | 200 |
| 4 | Pursat | 2,200 |
| 5 | Stung Treng | 400 |
| 6 | Otdar Meanchey | 100 |
| | Total SHS-10Wp | <u>4,500</u> |
| SHS-5Wp | | |
| 1 | Battanbang | 1,500 |
| 2 | Pursat | 4,353 |
| 3 | Otdar Meanchey | 500 |
| | Total SHS-5Wp | <u>6,353</u> |
| | Grand Total | <u>20,753</u> |

Table 3: Provincewise information on 20,753 SHS installed to rural HHs from 2015to 2018

From 2015 to 2018 under funding by KfW, 20,753 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 95,463 persons.

Provincewise total number of villages and villages were the 20,753 SHS were installed is given in **Table 4** below:

| Table 4: | Provincewise | total | number | of | villages | and | villages | were | the | 20,753 \$ | SHS |
|----------|----------------|-------|-----------|-----|----------|-----|----------|------|-----|-----------|-----|
| | were installed | from | 2015 to 2 | 201 | 8 | | | | | | |

| No. | Province | Total number of villages (Census) | Number of villages access electricity through SHS |
|-----|------------|-----------------------------------|--|
| 1 | Battanbang | 799 | 87 |

| 2 | Kampong Chhnang | 562 | 31 |
|---|-----------------|-------|-----|
| 3 | Preah Vihear | 128 | 24 |
| 4 | Siem Reap | 923 | 24 |
| 5 | Stung Treng | 229 | 29 |
| 6 | Otdar Meanchey | 245 | 61 |
| | Total | 2,886 | 256 |

List of villages in which 20,753 SHS have been installed from 2015 to 2018 is given in Annex 5.

Map showing the provinces in which 20,753 SHS have been installed from 2015 to 2018 is given in **Annex 6**.

4.2.2 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 theif 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

From 2015 to 2018 under funded by KfW, REF has executed 78 contracts for providing assistance to improve existing and develop electricity infrastructure in rural areas with 65 licensees (1 licensees have executed 3 contracts nad 11 licensees have executed 2 contracts).

Provincewise information on licensees who have executed contracts, funded by KfW, with REF for getting assistance to improve existing and develop electricity infrastructure in rural areas from 2015 to 2018 is given in **Annex 7**.

Provincewise information on contracted target length of network, constructed length of network, funded by KfW, under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas from 2015 to 2018 is given in **Table 5** below:

| Table 5: Provincewise information on contracted target | t length of network, |
|--|-----------------------|
| constructed length of network, funded by KfW | , under Program for |
| Providing Assistance to Improve Existing an | d Develop Electricity |
| Infrastructure in Rural Areas from 2015 to 2018 | |

| | | Contracted t of netwo | target length ork, (km) | Constructed length of network, (km) | | |
|-----|------------------|--------------------------|----------------------------|-------------------------------------|---------------------------|--|
| No. | Province/City | Low Voltage (LV) | Medium Voltage (MV) | Low Voltage (LV) | Medium Voltage (MV) | |
| 1 | Banteay Meanchey | 44.10 | 32.00 | 38.50 | 23.00 | |
| 2 | Battambang | 33.07 | 60.10 | 10.00 | 35.00 | |
| 3 | Kampong Cham | 136.88 | 26.89 | 112.00 | 20.00 | |

| 19 Tboung Khmum Total | | 1,93 | 9.97 | 1,41 | 18.70 |
|--------------------------|-----------------|----------|--------|--------|--------|
| | | 1,326.38 | 613.59 | 960.32 | 458.38 |
| | | 85.01 | 7.55 | 32.00 | _ |
| 18 | Pailin | 10.00 | - | - | - |
| 17 | Otdar Meanchey | 14.50 | - | 14.50 | - |
| 16 | Takeo | 41.69 | 20.77 | 6.41 | 2.00 |
| 15 | Stung Treng | - | 25.00 | - | 25.00 |
| 14 | Preah Sihanouk | 9.50 | 16.70 | 9.50 | 16.70 |
| 13 | Siem Reap | 94.68 | 20.64 | 66.21 | 20.64 |
| 12 | Pursat | 12.00 | - | 6.00 | - |
| 11 | Prey Veng | 211.82 | 72.90 | 139.56 | 72.90 |
| 10 | Preah Vihear | 101.71 | 15.50 | 70.60 | - |
| 9 | Kratie | 25.00 | 63.00 | 25.00 | 63.00 |
| 8 | Koh Kong | 1.00 | 9.00 | - | - |
| 7 | Kandal | 72.62 | 15.10 | 62.10 | 6.08 |
| 6 | Kampong Thom | 189.09 | 6.39 | 160.24 | 6.39 |
| 5 | Kampong Speu | 172.70 | 129.89 | 156.70 | 107.89 |
| 4 | Kampong Chhnang | 71.01 | 92.16 | 51.00 | 59.78 |

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 KfW from 2015 to 2018, is given in **Annex 8**.

From 2015 to 2018, 65 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 KfW from 2015 to 2018 is given in **Table 6** below:

| No. | Province/city | Total number of villages (Census) | Number of villages access electricity |
|-----|------------------|-----------------------------------|--|
| 1 | Banteay Meanchey | 661 | 31 |
| 2 | Battambang | 799 | 12 |
| 3 | Kampong Cham | 916 | 45 |
| 4 | Kampong Chhnang | 562 | 33 |
| 5 | Kampong Speu | 1,358 | 113 |
| 6 | Kampong Thom | 738 | 85 |
| 7 | Kandal | 912 | 68 |
| 8 | Kratie | 250 | 4 |
| 9 | Preah Vihear | 229 | 26 |
| 10 | Prey Veng | 1,137 | 108 |
| 11 | Pursat | 501 | 1 |
| 12 | Siem Reap | 924 | 30 |

Table 6: 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 KfW from 2015 to 2018

| 13 | Preah Sihanouk | 111 | 5 |
|-------|----------------|--------|-----|
| 14 | Stung Treng | 128 | 3 |
| 15 | Takeo | 1,119 | 7 |
| 16 | Otdar Meanchey | 286 | 6 |
| 17 | Tboung Khmum | 865 | 19 |
| Total | | 11,496 | 596 |

List of villages covered under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas, funded by KfW from 2015 to 2018, is given in **Annex 9**.

Map showing the provinces for which REF provided assistance to improve existing and develop electricity infrastructure in rural areas, funded by KfW from 2015 to 2018, is given in **Annex 10**.

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. Khun Sopheap (Project 3) having license No. 159L for Providing Electricity Service at Some parts of Khum Me Pring and Khum Batheay, Batheay District, Kampong Cham



Before construction of electricity network site



After construction of electricity network site



Annex 1 Provincewise summary information on execution of contracts funded by KfW under P2P Program from 2015 to 2018

| Province | Area of supply | License No. | Name of Licensee | Source of Supply |
|--------------|---|-------------|----------------------------------|------------------------------------|
| | Some parts of Bavel and Thmar Kol District | 282L | Mrs. Soeurn Sophornnara | EDC |
| Battambang | Some parts of Khum Chheuteal, Banan District | 117L | Mr. Dong Ly | EDC |
| _ | Some parts of Chen Meanchey, Banan District | 330L | Mr. Lonh Sovan | EDC |
| Kampong Thom | Khum Kampong Svay, Kampong Svay District | 387L | Mrs. Houch Chrep | BVC Power Development |
| Koh Kong | Some part of Thmar Baing District, Khum Chikhor Leu, Sre Ambel District and Khum Trapaing Roung Koh Kong District | 418L | Mrs. Chheng Touch | EDC |
| Kratie | Khum Kaoh Ta Suy, Khum Ta Mau, and Some parts of | 217L | Mr. Heang Pov (Project 3) | EDC |
| | Khum Chambak, Khum Ruessei Kaev, Preaek Brasab District | 217L | Heang Pov Enterprise (Project 4) | EDC |
| | Some parts of Sambour District | 346L | Mrs. Chea Sokeng | EDC |
| Prey Veng | Some parts of Me Sang and Ba Phnum Districts | 336L | Mr. Heang Phally (Project 2) | EDC |
| Pursat | Krakor District Town and some parts of Khum Kanhchor, Kandieng District | 125L | SVVT Electricity (Project 3) | EDC |
| Takeo | Khum Som, Kiriving District | 258L | Mr. Snguon Saran | Mr. Mak Khom |
| | Khum Prey Yutka, Koh Andet District and Khum Chouk Chey, Borey Cholasa District | 373L | Mr. Choun Tom | Electricity Kirivong Enterprise |
| Suou Diana | Some part of Kampong Rou and Chantrea District | 268L | Mr. Khan Siden (Project 3) | EDC |
| Svay Rieng | Some part of Kampong Rou and Chantrea District | 268L | Mr. Khan Siden (Project 4) | EDC |

Annex 2

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 KfW under P2P Program from 2015 to 2018

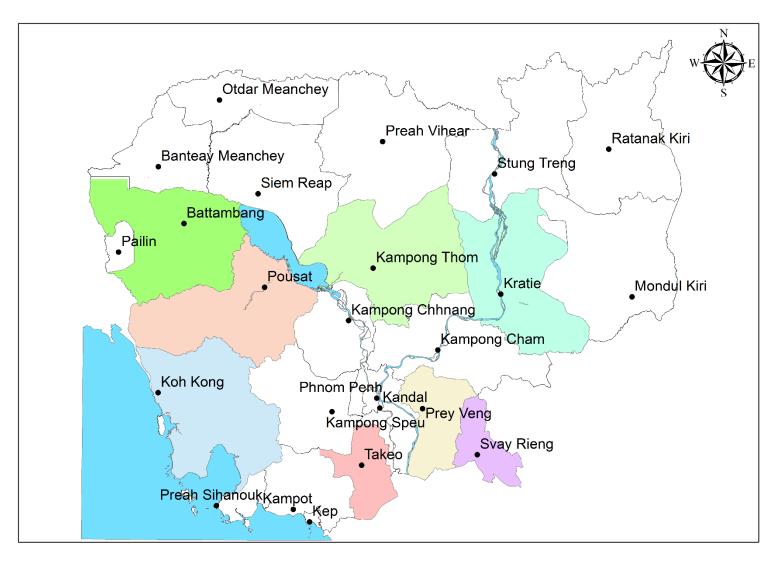
| Province | License No. | Name of Licensee | Contracted taget number of rural HH to be connected to supply system, (HH) | Number of rural HH connected to supply system, (HH) | Remark |
|--------------|-------------|----------------------------------|---|--|------------------------------|
| Battambang | 117L | Mr. Dong Ly | 101 | 101 | Disbursed |
| | 282L | Mrs. Soeurn Sophornnara | 200 | 200 | Disbursed |
| | 330L | Mr. Lonh Sovan | 260 | 260 | Disbursed |
| Koh Kong | 418L | Mrs. Chheng Touch | 210 | 210 | Disbursed and Project Closed |
| Kratie | 217L | Mr. Heang Pov (Project 3) | 108 | 108 | Disbursed |
| | 217L | Heang Pov Enterprise (Project 2) | 500 | - | On going |
| | 346L | Mrs. Chea Sokeng | 97 | 97 | Disbursed and Project Closed |
| Kampong Thom | 387L | Mrs. Houch Chrep | 103 | 103 | Disbursed |
| Prey Veng | 336L | Mr. Heang Phally (Project 2) | 620 | 620 | Disbursed |
| Pursat | 125L | SVVT Electricity (Project 3) | 162 | 84 | Disbursed and Project Closed |
| Svay Rieng | 2691 | Mr. Khan Siden (Project 3) | 250 | 250 | Disbursed |
| | 268L | Mr. Khan Siden (Project 4) | 520 | 37 | Disbursed and Project Closed |
| Takeo | 258L | Mr. Snguon Saran | 47 | 47 | Disbursed |
| | 373L | Mr. Choun Tom | 140 | 140 | Disbursed |
| | Т | otal | 3,318 | 2,721 | |

| Annex 3 |
|--|
| List of villages covered, under funding by EDC and KfW, by P2P Program from 2015 to 2018 |

| No. | Province | Number of villages in which P2P program was implemented | Commune | District | License No. | Licensee |
|-----|-----------------|--|----------------|------------------|----------------|---------------------------------|
| 1 | Battambang | Anlong Tamei, Chamkar Svay, Chhok Po | Chheuteal | Banan | 117L | Mr. Dong Ly |
| | | Brakheab | Rung Chrey | Thma Koul | | |
| | | Seang Reang, Daun Kaev | Bavel | | | Mrs. Soeurn |
| | | Boeng Samrong | Lvea | Bavel | 282L | Sophornnara |
| | | Ballangk Leu, Ballangk Mean Chey, Koah Ream, Khnach Romeas, Prey Sangha, Svay Sor, Rung Ampil | Khnach Romeas | Buver | | Sophonnara |
| | | Sambour Meas | Snoeng | | | |
| | | Bos Knol, Thor, Roung, Chong Ou Svay, Kampong Koul, Cheng | Cheng Meanchey | Banan | 330L | Mr. Lonh Sovan |
| 2 | Kampong Thom | Chong Prey, Tnaot, Theam Chas | Kampong Svay | Kampong Svay | 387L | Mrs. Houch Chrep |
| 3 | Koh Kong | Kamlot, Choam Sla, Chi Phat | Chi Phat | Thma Bang | 418L | Mrs. Chheng Touch |
| 4 | Kratie | Boeng Rei, Sror Lav Damnak, Ruessei Kaev, Svay Chrum | Ruessei Kaev | | | |
| | | Chroy Ampil 1, Chroy Thmor, Chambak 1, Chambak 2, Chroy Ampil 2 | Chambak | Preaek Brasab | 217L | Mr. Heang Pov (Project 3) |
| | | Preaek Svay, Kro Horm Krom, Kro Horm Leu, Ta Mau Krom, Ta Mau Kandal | Ta Mau | Diasab | | (Troject 3) |
| | | Srae Treng, O-Po, Bang Horb, O Ta Neung, Srae Sbov | Kbal Damrey | Sambour | 346L | Mrs. Chea Sokeng |
| 5 | Prey Veng | Thmei, Kro Saing | Chi Phoch | | | |
| | | Trapeaek Phlong, Trapeaek Phreah 2, Bareach, Sonnloung Leab, O-Sang Ke, Russei Chochork, Kros, Robos Phchet, Lpov, Sanlong, Ta Mao, Russei Tvea, Keo Sna, Svay Cho, Prey Khnes(b) | Prey Khnes | Ma Sang | 336L | Mr. Heang Phally (Project 2) |
| | | Chanra(a), Chanra(b), Prey Prorng, Prey Sva, Thlork | Speu (b) | | | |
| | | Kandal, Dei Thoy, Ta Ma, Svay Tani, Ang Krorng, Ta Mao | Beung Pheah | Ba Phnum | | |
| 6 | Pursat | Puth Tream, Ou Ach Kok, Kraing Thom, Ou Sandan, | Ou Sandan | Krokor | 125L | SVVT Electricity |

| | | Daong Chour, Kneung, Ou Tabrok, Chongklorng | | | | (Project 3) |
|---|------------|--|--------------|----------------|-----------|-------------------------------|
| | | Chi Ches, Veal Vong, Savoan, Svar Sor, Sna Ansa, Ansor Kdam, Kraing Veng | Sna Ansa | | | |
| | | Kampong Leu | Kbal Trach | | | |
| 7 | Svay Rieng | Chantrea, Kok Teaek | Chantrea | | | |
| | | Trarpeang Thlork, Daun Nouy, Trapeang Run, Bonla Sa- ith, Trapeang Dear Krom, Banla S'edth | Chres | Chantrea | | |
| | | Tuol Sdei, Daun Tei | Tuol Sdei | | | |
| | | Kaoh Kban Khang Cheung | Samraong | | | |
| | | Kandal, Pou Ma-Orm, Boun | Tnaot | | 268L | Mr. Khan Siden (Project 3) |
| | | Saek Chrum, Prey Tlork, Prey Preus | Svay Ta Yean | | 2001 | |
| | | Svay, Prey Mnas, Prey Pneart, Ta Poar, Svay Chaek, Samlei Khang Tbong, Samlei Khang Cheung, Prey Pha- Av, Samlei | Samlei | Kampong Rou | | |
| | | Trarpeang Kampeus, Prey Ta Ngouy, Khsaetr, Prey Sang Ke, Trork, Sa Mor, Prey Cha | Khsaetr | | | |
| | | Prey Mnas, Samlei Khang Tboung | Samlei | Kampong Rou | • • • • • | Mr. Khan Siden |
| | | Teng Mao, Sen Tor, Kouk Taek, Chantrea | Chantrea | Chantrea | 268L | (Project 4) |
| 8 | Takeo | Trapaing Porng Tuek, Tuol Pongro, Sre Keas, Preal, Thmei, Pingpong, Saom, Deum Angkuol, Deum Rumdel, Tunloab | Saom | Kiri Vong | 258L | Mr. Snguon Saran |
| | | Ta Phin, Prey Buy, Ta Ngim, Pong Andeak, Ta Phan, Ta Heang | Prey Yuthka | Kaoh Andaet | 373L | Mr. Choun Tom |
| | | Ta Ra Kum | Chey Chouk | Borei Cholsar | | |
| | Total | 143 | 31 | 15 | | |

Annex 4 Map showing the provinces in which P2P Program under funding by KfW, is implemented from 2015 to 2018



| Annex 5 |
|--|
| List of villages in which 20,753 SHS have been installed from 2015 to 2018 |

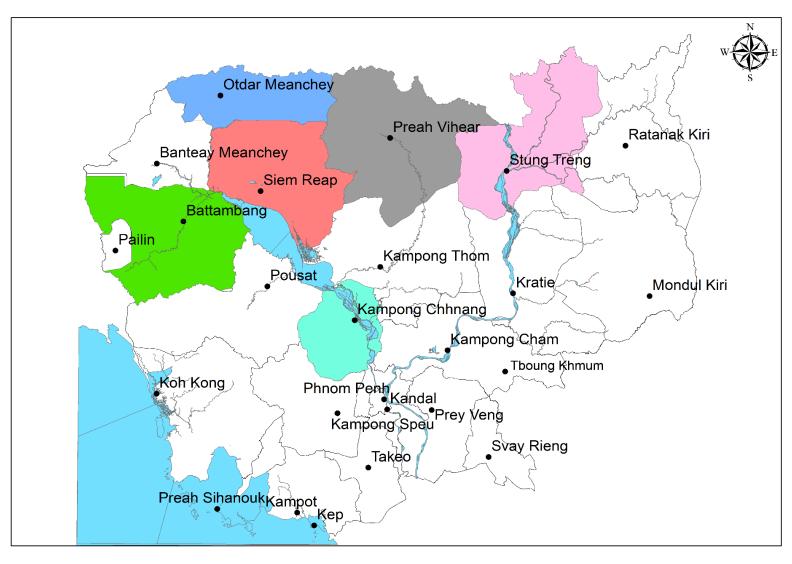
| No. | Province | Number of villages access electricity through SHS | Commune | District |
|-----|------------|---|--------------------|-------------------|
| 1 | Battambang | Ta Khor, | Preas Phos | |
| | | Prey Totung | Chhnal Mean | Koas Krala |
| | | Kouk Roka, Anlong Mien, Rieng Tieng | Doun Ba | |
| | | Ta Pung Tboung | Ta Pung | |
| | | Thmei | Bansay Traeng | Thma Koul |
| | | Anlong Run | Chhrey | Tillia Koui |
| | | Sophy | Anlong Run | |
| | | Boeng Krala, Boeng Thoung, Krapue Seaseb, Boeng Pram, Yuth Tek Thor, Boeng Areak, Ou Ruessei, Samnang Preah Srey, Chey Chum Neas | Boeng Pram | |
| | | Prey Thom, | Khleang Meas | Devel |
| | | Tumnub Tuek | Bavel | Bavel |
| | | Prey Khpous, Mak Kleur | Prey Khpous | |
| | | Thmei, Boeng Popoul, Boeng Snoul, Sthapor Pei | Ampil Pram Daeum | |
| | | Thmei | Kantueu Muoy | |
| | | Phnom Kol, Thmei | Kantueu Pei | |
| | | Kampong Korl, Chaeng, Toul Thnong, Thoar, Boss Khnol, Roung | Chaeng Mean Chey | Banan |
| | | Boeng Krosal | Snoeng | |
| | | Ta Ngaen, Slab Pang | Ta Kream | |
| | | Chumnaob Korkir | Sdok Praveuk | Rukhak Kiri |
| | | Prek Mohatep | Svay Por | Krong Bat Dambang |
| | | Phnom Sampov | Preaek Preah Sdach | |
| | | Brasoeng | Prey Touch | |
| | | Bos Pouy | Moung | Moung Ruessei |
| | | Anlong Trach | Robas Mongkol | |
| | | Ta Krouk, Burun | Traeng | |
| | | Kandal Stung | Andaeuk Haeb | Rotonak Mondol |
| | | Resmay Sangha, Ou Khmum, Badak Tbong | Rasmey Sangha | |

| | | Sambok Aok | Kampong Prieng | |
|---|---------|---|---------------------|--------------------|
| | | Kampong Preah | Kampong Preah | |
| | | Boeng Toem | Ta Pun | Sangkae |
| | | Chhouk Tradork | Roka | |
| | | Damnak Dang Kor, Toul Snoul | Reang Kesei | |
| | | Prey Thom, Stung Toch, Ou Choam Krom, Ou Chaom Kandal, Ou Chaom | | |
| | | Leu, Ou Deum Chek, Kandal, Kampong Lpov, Svay Chrum, , Veal | Kampong Lpov | |
| | | Chambang, Kalong Mai Koung | | |
| | | Ou Totoem, Daun Treuk, Anlong Pork | Ta Sanh | |
| | | Chamlong Romaing Krom, Chamlong Romaing Leu, Veal Chhmar | Ou Samrel | Samlout |
| | | Kanchaing, Kandal | Sung | |
| | | Samlout | Samlout | |
| | | Ou Traeng Ou Ta Teak, Phnom Rey, Ta Taok, Peam, Peam Ta, Vil Rolim, | Ta Taok | |
| | | Ou Nounong, Ou Kroch | | |
| | | Prek Trop | Prek Narin | Ek Phnom |
| | | Bak Prear, Peam Seima | Prey Chas | |
| 2 | Kampong | Kaoh Sleng, Kou Chrum, Bort Trang | Kaoh Thkov | |
| | Chhnang | Kien Ta Ma, Kampong Aos, Thmey, Kampong Ous Cheung | Kampong Aos | Chol Kiri |
| | | Kampong Khlach, Ruessei Dang Kouch | Chol Sar | |
| | | Phlong | Peam Chhkaok | |
| | | Kang Meas, Kaoh Keo, Kampong Rang | Svay Chrum | |
| | | Preaek Sala | Tuek Hout | Rolea B'ier |
| | | Chun Leav, Prey Sampov | Prasnoeb | |
| | | Prey Pear | Chhuk Sa | Kampong Tralach |
| | | Phnom Ta Sam, Trapeang Mlou | Krang Skear | Tuek Phos |
| | | Chhnok Tru, Seas Slab | Chhnok Tru | |
| | | Tuek Chraeb | Pech Changvar | Baribour |
| | | Damrei Khoun, Anhchanh Rung | Anhchanh Rung | Dariooui |
| | | Kaoh Ta Mov, Preaek Spean, Stoeng Chrouv | Kampong Preah Kokir | |
| | | Krang Samraong, Kiri Akphivoadth, Royeas | Chhean Laeung | Sameakki Mean Chey |
| | | Chrok Kov | Peam | |

| 3 | Preah Vihear | Choam Khsant, Chheu Teal Korng, An Ses, Veal Pou, Veal Thom | Choam Khsant | |
|---|-------------------|--|-------------------|---------------|
| | | Stung Khiev, Thaomcheat, Bangkoul Pram Bei, Stung Khiev Tekcho, | Sra Eam | |
| | | Tekcho Bous Sbov, Sen CheyRobonh, Saen Rung Roeung Pir, Rung Roeung Bei, Rung Roeung Boun, SenTekcheas, Dechchor Morkaot | Morakord | Choam Khsant |
| | | Morakord Tekcho, Kantout, Sok Sen Chey, Char | Kantout | |
| | | Sras Mlis, Saen Rung Roeung Pram | Tuek Kraham | |
| | | Kom Prak | Yeang | |
| 4 | Siem Reap | Rolum Run Thmei, Lvea | Srae Nouy | Varin |
| | - | Kanhchon Roun | Prasat | |
| | | Sras Khvav | Tbaeng | Banteay Srei |
| | | Lbeuk, Ta Kam, Prasat Char, Rohal, An Ngoun | Doun Kaev | Puok |
| | | Chan Ta Say, Choukchrey, Khcheay | Sasar Sdam | PUOK |
| | | Kambou Or, Chung Spean, Ou | Khvav | Chi Kraeng |
| | | Prumkot | Ballangk | Prasat Bakong |
| | | Reach Chuntaol | Srae Khvar | Angkor Chum |
| | | Ta Peur, Ou Rung | Ta Siem | |
| | | Chhes Chan, Bitpka, Rolum Touk | Svay Leu | Svay Leu |
| | | Srae Robang | Boeng Mealea | Svay Leu |
| | | Ou Ta Kok | Kantout | |
| 5 | Stung Treng | Koah Praeh, Srae Krasaing | Kaoh Preah | |
| | | Koah Kroch | Srae Krasang | |
| | | Kaing Daek, Sma Kaoh, Phuol, Svay | Kaoh Sralay | Siem Bouk |
| | | Kaoh Chrim, Tbong Kla, Ou Chalorng, Ampil Pir, Ou Mreas | Ou Mreah | Siem Bouk |
| | | Tun Saong, Siem Bouk, Ou Leng | Siem Bouk | |
| | | Srae Beng, Ou Ruessei Kandal | Ou Ruessei Kandal | |
| | | Koah Snaeng, Koah Sralav, Koah Kei, Chamthom | Kaoh Snaeng | |
| | | Ou Run, Ou Svay, Koah Haeb, Veunsean, Koah Phnov | Ou Svay | Thala Barivat |
| | | Ph'av, Veal Pou, Anlong Phe | Anlong Phe | |
| 6 | Otdar Meanchey | Ta Dev, Toek Chub, Tuol Svay Saen Chey, Tun Nob, Ou Sramor, Thmei, Trapeang Tav, Ou Ang'rae, Tuol Prasat | Trapeang Tav | Anlong Veng |

| Chaom, Cheung Phnum, Tuek Chum, Tumnub Leu, Boeng, Santhipheap, Ou | Trapeang Prei | |
|--|------------------|-----------------|
| Kra'Nhoung, Sammakki | Trapeang Tier | |
| Thmei, Tuol Kralach, Tuol Prasat, Ou Run, Ou Sralav, Tuol Prich, Chheu | Thlat | |
| Teal Chrum, | Tillat | |
| Kouk Sampor, Char, Rohal, Chub Ta Mouk Saen Chey, Trapeang Thum, | | |
| Tnal Dach, Lumtong Chas, Sralav Sroung, Ou Kokir Kandal, Ou Kokir | Lumtong | |
| Kraom, Ou Kokir Leu | | |
| Tumnub Akphivoadth, Popel Senchey, Ou Svay, Peam Knong, Tasam | Ou Svay | |
| Tamout Meanchey, Tnal Kheng, Preah Chambak, Ph'av, Ruessei, Khnorng | Ph'av | |
| Tuol Meanchey | 1 II av | Trapeang Prasat |
| Trampaong, Prasat Kraham, Trapeang Bei, Trampaong Tboung | Preah Pralay | Trapeang Trasac |
| Rolum Tbal, , Srae Krasang, Dei Kraham, Tekcho Akphivoadth, Srae Kandal, | Trapeang Prasat | |
| Ou Saom, Ou Rumdeng, Tumnub Thmei, Ou Trach, Pean Meas, Tnal Keng | Trapealig Trasat | |
| 256 Villages | 89 Communes | 29 Districts |

Annex 6 Map showing the provinces in which 20,753 SHS have been installed from 2015 to 2018



Annex 7 Provincewise information on licensees who have executed contracts, funded by KfW, with REF for getting assistance to Improve existing and develop electricity infrastructure in rural areas from 2015 to 2018

| Province/ city | Area of supply | License No. | Name of Licensee | Source of Supply |
|-------------------|---|----------------|--|------------------|
| Banteay | Some part of Mongkul Borei District, Preahnet Preah District | 105L | TNNT Electricity Co., Ltd* (Project 4) | EDC |
| Meanchey | | 105L | TNNT Electricity Co., Ltd* (Project 3) | EDC |
| | Some part of Khum Chamnom, Khum Soeur, Mongkul Borei District | 324L | Mrs. Khiev Sokha* (Project 5) | EDC |
| | Some part of Svay Chek and Thmar Puok Districts | 379L | Mrs. Keo Chhorvy (Project 3) | EDC |
| | Khum Nam Tao, Phnom Srok District | 401L | Mr. Tan Leang Sreng | EDC |
| Battambang | Some part of Thmer Kel District | 105L | TNNT Electricity Co., Ltd* (Project 4) | EDC |
| | Some part of Thmar Kol District | 105L | TNNT Electricity* (Project 3) | EDC |
| | Some part of Banan and Sangke Districts | 244L | K.R.Y Trading Co., Ltd | EDC |
| | Khum Lvea, Bovil District and Khum Roung Chrey, Thmarkol Districts | 324L | Mrs. Khiev Sokha* (Project 5) | EDC |
| | Some part of Samlot, Ratanak Mondul and Kaskalar Districts | 392L | ASDVM Co., Ltd (Project 2) | EDC |
| | | | ASDVM Co., Ltd (Project 3) | EDC |
| | Some part of Koas Krala District | 404L | Mr. Heng Chanthavy* (Project 2) | EDC |
| Kampong | Some parts of Prey Chhor, Kang Meas, Chamkar Leu, Stung | 023L | Mekong Smart Power* (Project 3) | Electricity |
| Cham | Trang and Kampong Siem Districts | 023L | Mekong Smart Power* (Project 5) | Skon-Chamkarleu |
| | Some part of Cheung Prey District | 047L | Sor Malis Electricity Enterprise | Electricity |
| | Some part of Cheung Trey District | 04712 | (Project 3) | Skon-Chamkarleu |
| | Some parts of Khum Me Pring and Khum Batheay, Batheay | 159L | Mr. Khun Sopheap (Project 3) | Electricity |
| | District | 1372 | | Skon-Chamkarleu |
| | Some parts of Srei Santhor | 335L | Mrs. Khun Naykieng* (Project 2) | TPLC Holdings |
| | Some parts of Ster Santhor | | Mrs. Khun Naykieng* (Project 4) | TPLC Holdings |
| Kampong | Some parts of Boribou District | 040L | M.H Electyricity (Project 6) | OSVR Trading |
| Chhnang | Some parts of Rolea B'ier District | 095L | Mrs. Chan Simoly (Project 2) | OSVR Trading |
| | | | Mrs. Chan Simoly (Project 3) | OSVR Trading |
| | Some parts of Tuek Phos District | 119L | Mr. Un Sothea (Project 6) | OSVR Trading |

| | Some parts of Kampong Tralach, Sameakki Mean Chey, Tuek | 300L | OSVR Trading (Project 6) | EDC | |
|-----------------|---|------|---|---|--|
| | Phos, Rolea B'ier and Baribour Districts | 300L | OSVR Trading (Project 11) | EDC | |
| | Khum Ampil Teuk and some parts of Khum Kampong Tralach, Kampong Tralach District | 400L | Mr. Hong Sengkry | EDC | |
| Kampong Speu | | | Meng Sok Leng Construction and Electric* (Project 3) | EDC | |
| - | Some parts of Samraong Tong and Odongk Districts | 137L | Meng Sok Leng Construction and Electric* (Project 4) | EDC | |
| | | | Meng Sok Leng Construction and Electric* (Project 6) | EDC | |
| | Some parts of Odonaly Throng and Someoong Tong Districts | 155L | Sahakreas Aphivath Akisni Samrethkiry (Project 4) | EDC | |
| | Some parts of Odongk, Thpong and Samraong Tong Districts | 133L | Sahakreas Aphivath Akisni Samrethkiry (Project 5) | EDC | |
| | Some parts of Korng Pisey, Samraong Tong, Basedth, Phnum Sruoch District | 224L | Sokha Electricity Co., Ltd** (Project 4) | EDC | |
| | Some parts of Odongk District | 278L | Akisny Chrey Loas** (Project 3) | Meng Sok Leng Construction and Electric | |
| | Some parts of Basedth District | 386L | Mr. Ung Khunvathanak (Project 3) | Sokha Electricity Co., Ltd | |
| Kampong Thom | Some part of Baray and Santuk District | 006L | Pheng Keang Electricity Pte (Project 2) | BVC Power Development | |
| | Some parts of Baray District | 023L | Mekong Smart Power* (Project 5) | Electricity Skon-Chamkarleu | |
| | Some parts of Stoung District | | Mr. Ong Hoksin | BVC Power Development | |
| | Stoung District | 111L | Mr. Kong Vun* (Project 2) | KTC Cable | |
| | | 1111 | Mr. Kong Vun* (Project 4) | KTC Cable | |
| | Khum San Kor and Khum Tbeng, Kampong Svay District | 228L | T.K.T.D Electricity Enterprise (Project 3) | BVC Power Development | |
| | Some part of Prasat Balaing and Kampong Svay Districts | 368L | Miss. Tan Kimbouy | BVC Power | |

| | | | | Development |
|----------|---|------|---|--|
| | | | Miss. Ton Kimbouy (Droiget 2) | BVC Power |
| | | | Miss. Tan Kimbouy (Project 2) | Development |
| | Some part of Kampong Svay and Prasat Balang Districts | 387L | Mrs. Pen Channa (Project 2) | BVC Power |
| | Some part of Kampong Svay and Flasar Balang Districts | 30/L | | Development |
| Kandal | | | Meng Sok Leng Construction and Electric* (Project 3) | EDC |
| | Some parts of Angsnuol District | 137L | Meng Sok Leng Construction and Electric* (Project 4) | EDC |
| | | | Meng Sok Leng Construction and Electric* (Project 6) | EDC |
| | Some parts of Keansvay, Sa-Ang and Lvea Em Districts | 150L | Akissni Keansvay (Project 2) | EDC |
| | Some part of Kadal Steung District | 174L | Electricity Pout Sor Enterprise* (Project 2) | LMK |
| | Special Purpose Transmission and Distribution Service at Khum Prek Kompoeus and Khum Cheung Keub, Kandal Stoeung District | 223L | LMK (Project 2) | EDC |
| | Some part of Angsnoul District | 261L | Sahakreas Aphivath Akisni Chunabort* | EDC |
| | Some parts of Kandal Stung | 266L | Mrs. Sor Sa Un | LMK |
| | Some parts of Khsach Kandal and Lvea Em District | 272L | Sahakreas Akisani Kampong Chamlong Bakdav* | TPLC Holdings |
| | Some parts of Ponhealeu and Ang Snuol Districts | 278L | Akisny Chrey Loas** (Project 3) | Meng Sok Leng Construction an Electric |
| | Some parts of Khsach Kandal District | 335L | Mrs. Khun Naykieng* (Project 2) | TPLC Holdings |
| | • | | Mrs. Khun Naykieng* (Project 4) | 6 |
| | Some parts of Lvea Em District | 355L | Mr. Chhor Veng Ngoun* (Project 2) | EDC |
| Koh Kong | Some parts of Khum Boeung Phreav, Sre Ambil District | 279L | Mr. Khun Chantharith* | EDC |
| | Some part of Thmar Baing District, Khum Chkhor Leu, Sre Ambel District and Khum Trapaing Roung, Koh Kong District | 418L | Mrs. Chheng Touch (Project 3) | EDC |
| Kratie | Some parts of Somhour District | 395L | Mrs. Khun Sokgach* (Project 2) | EDC |
| | Some parts of Sambour District | | Mrs. Khun Sokgach* (Project 4) | EDC |

| | | | Mrs. Khun Sokgach* (Project 5) | EDC |
|--------------|--|-------|--|---|
| Phnom Penh | Khan Posenchey | 261L | Sahakreas Aphivath Akisni Chunabort* | EDC |
| | Khan Prek Pnov | 278L | Akisny Chrey Loas** (Project 3) | Meng Sok Leng Construction and Electric |
| Preah Vihear | Some part of Sangkum Thmey, Roveang, Tbeng Meanchey, | 329L | Mrs. Teang Bonika | BVC Power Development |
| | Chey Saen Districts and Krong Preah Vihear | 329L | Mrs. Teang Bonika (Project 2) | BVC Power Development |
| | Some part of Kulen District | 334L | Mr. Chak Sean (Project 3) | BVC Power Development |
| | Khum Ronak Ser and Some part of Khum Sdauv, Sangkum Thmey District | 364L | Mrs. Teng Kimsreang | EDC |
| | Some parts of Chheb, Chey Sen, and Roveing Districts | 409L | Mr. Eng Sotheavatana | EDC |
| Prey Veng | Special Purpose Transsmission Service at Along the National Road No. 8 from Border of Cambodia-Vietnam to Kamchay | 259L | Inter BP Solution Corporation (Project 2) | EDC |
| | Mear, Svay Antor and Pearaing Districts | 23912 | Inter BP Solution Corporation (Project 3) | EDC |
| | Some part of Mesang District | 269L | Mr. Kong Yorn (Project 3) | EDC |
| | Pearang District | 272L | Sahakreas Akisani Kampong Chamlong Bakdav* | TPLC Holdings |
| | Khum Svay Chrum, Khum Prey Totueng, and Some parts of Khum Chres, Me Sang District | 320L | Mr. Thouk Samean | EDC |
| | Some parts of Kampong Trabaek, Ba Phnum, and Me Sang District | 343L | Nhem Horn Electrical Co., Ltd | EDC |
| | Some parts of Porieng and Pearaing Districts | 355L | Mr. Chhor Veng Ngoun* (Project 2) | EDC |
| | Khum Svay Chrum, Mesang District | 438L | Mr. Run Sovann | EDC |
| Pursat | Khum Ta Lou, Bakan District | 332L | Mr. Nhean Vatana | EDC |
| | Some part of Veal Veng District | 404L | Mr. Heng Chanthavy* (Project 2) | EDC |
| Siem Reap | Some parts of Chikreng District | 111L | Mr. Kong Vun* (Project 2) Mr. Kong Vun* (Project 4) | KTC Cable KTC Cable |
| | Some part of Sotnikum, Chikreng and Svay Leu Districts | 183L | Mrs. Meas Keav (Project 3) | KTC Cable |

| | Some part of Svay Leu District | 229L | Mr. Khean Kev (Project 2) | EDC |
|-------------------|--|------|---|-----|
| | Some parts of Banteay Srey District, Khum Sre Nouy, Varin District, Some parts of Khum Kantuot, Svay Leu District | 240L | Mrs. Long Kimheng* (Project 2) | EDC |
| | Some part of Srey Snam and Kralanh District | 311L | Mrs. Heng Symuy (Project 3) | EDC |
| | Khum Khvav, Chikreng District and some parts of Svay Leu District | 426L | Mr. Laing Neang (Project 2) | EDC |
| Preah Sihanouk | Some parts of Kampong Sela | 279L | Mr. Khun Chantharith* | EDC |
| Stung Treng | Some parts of Sign Doult Secon District and Stung | | Mrs. Khun Sokgach* (Project 2) | EDC |
| | Some parts of Siem Bouk, Sesan District and Stung Treng City | 395L | Mrs. Khun Sokgach* (Project 4) | EDC |
| | Theng City | | Mrs. Khun Sokgach* (Project 5) | EDC |
| Takeo | Some part of Bati and Prey Kabas District | 118L | Bati Electricity Enterprise (Project 2) | LMK |
| | Some part of Tramkork District | 121L | Mr. Nget Soda | EDC |
| | Some part of Tramkork District | IZIL | Mr. Nget Soda | EDC |
| | Some part of Bati District | 174L | Electricity Pout Sor Enterprise* (Project 2) | LMK |
| | Some parts of Baty District | 224L | Sokha Electricity Co., Ltd** (Project 4) | EDC |
| | Some part of Khum Kampeng, Prey Kabas District and Khum Ponley, Angkor Borey District | 238L | Mr. Hou Veasna (Project 2) | LMK |
| | Khum Preyphkoam, Angkor Borey District | 273L | Mr. Chea Sovannara | LMK |
| Otdar | Some parts of Anlong Veng | 240L | Mrs. Long Kimheng* (Project 2) | EDC |
| Meanchey | Some parts of Chong Kal District and Krong Samraong | 388L | Mrs. Khiev Sophal (Project 2) | EDC |
| Pailin | Some part of Salakrao District and Krong Pailin | 009L | M.S.P Development Co., Ltd | EDC |
| Tboung Khmum | Some parts of Tboung Khmum and Ou Reang Ov Districts | 085L | Electricity Tbong Khmum Enterprise (Project 7) | EDC |
| | Khum Popel, Ponheakrek District and Some part of Danbe District | 308L | Mrs. Phin Thai (Project 2) | EDC |
| | Khum Chhouk, Krouch Chhmar District and Some part of Danbe District | 339L | Mr. Thov Ny (Project 3) | EDC |

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

Annex 8

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 KfW from 2015 to 2018

| | License | | Contracte | U | | d length of | Remark |
|----------------------|---------|---|---------------|-----------|--------|-------------|-----------|
| Province/city | No. | Name of licensee | length of net | work (km) | networ | ·k (km) | Kunai K |
| | 110. | | LV | MV | LV | MV | |
| Banteay Meanchey | 105L | TNNT Electricity Co., Ltd* (Project 3) | 12.50 | - | 12.50 | - | Disbursed |
| | 103L | TNNT Electricity Co., Ltd* (Project 4) | 16.00 | 23.00 | 16.00 | 23.00 | Disbursed |
| | 324L | Mrs. Khiev Sokha* (Project 5) | 3.60 | - | - | - | On going |
| | 379L | Mrs. Keo Chhorvy (Project 3) | 2.00 | 9.00 | - | - | On going |
| | 401L | Mr. Tan Leang Sreng | 10.00 | - | 10.00 | - | Disbursed |
| Battambang | 244L | K.R.Y Trading Co., Ltd | 7.60 | 8.00 | - | - | On going |
| | 392L | ASDVM Co., Ltd (Project 2) | 10.00 | 35.00 | 10.00 | 35.00 | Disbursed |
| | 392L | ASDVM Co., Ltd (Project 3) | 15.47 | 17.10 | - | - | On going |
| Kampong Cham | 023L | Mekong Smart Power* (Project 3) | 31.00 | - | 31.00 | - | Disbursed |
| | 023L | Mekong Smart Power* (Project 5) | 35.00 | - | 35.00 | - | Disbursed |
| | 047L | Sor Malis Electricity Enterprise (Project 3) | 24.88 | 6.89 | - | - | On going |
| | 159L | Mr. Khun Sopheap (Project 3) | 4.00 | 5.00 | 4.00 | 5.00 | Disbursed |
| | 335L | Mrs. Khun Naykieng* (Project 2) | 30.00 | - | 30.00 | - | Disbursed |
| | 333L | Mrs. Khun Naykieng* (Project 4) | 12.00 | 15.00 | 12.00 | 15.00 | Disbursed |
| Kampong Chhnang | 040L | M.H Electyricity (Project 6) | 0.90 | 1.42 | - | - | On going |
| | 095L | Mrs. Chan Simoly (Project 2) | 8.20 | 1.78 | 8.20 | 1.78 | Disbursed |
| | | Mrs. Chan Simoly (Project 3) | 9.11 | 0.96 | - | - | On going |
| | 119L | Mr. Un Sothea (Project 6) | 17.00 | 28.00 | 17.00 | 28.00 | Disbursed |
| | 300L | OSVR Trading Co., Ltd (Project 6) | 8.00 | 30.00 | 8.00 | 30.00 | Disbursed |
| | 300L | OSVR Trading (Project 11) | 6.00 | 30.00 | - | - | On going |
| | 400L | Mr. Hong Sengkry | 21.80 | - | 17.80 | - | Disbursed |
| Kampong Speu | 1071 | Meng Sok Leng Construction and Electric* (Project 3) | 37.00 | 20.00 | 37.00 | 20.00 | Disbursed |
| | 137L | Meng Sok Leng Construction and Electric* (Project 4) | 43.00 | 16.00 | 43.00 | 16.00 | Disbursed |

| | | Meng Sok Leng Construction and Electric* (Project 6) | 16.00 | 22.00 | - | - | On going |
|--------------|------|---|-------|-------|-------|-------|---------------------------|
| | 1551 | Sahakreas Aphivath Akisni Samrethkiry (Project 4) | 13.79 | 3.25 | 13.79 | 3.25 | Disbursed |
| | 155L | Sahakreas Aphivath Akisni Samrethkiry (Project 5) | 6.91 | 7.44 | 6.91 | 7.44 | Disbursed |
| | 224L | Sokha Electricity Co., Ltd** (Project 4) | 23.00 | 33.00 | 23.00 | 33.00 | Disbursed |
| | 386L | Mr. Ung Khunvathanak (Project 3) | 33.00 | 28.20 | 33.00 | 28.20 | Disbursed |
| Kampong Thom | 006L | Pheng Keang Electricity Pte (Project 2) | 8.84 | 1.39 | 8.84 | 1.39 | Disbursed |
| | 063L | Mr. Ong Hoksin | 19.60 | 5.00 | 19.60 | 5.00 | Disbursed |
| | 2201 | Mr. Saeu Tienkok | 19.00 | - | 19.00 | - | Disbursed |
| | 228L | T.K.T.D Electricity Enterprise (Project 3) | 20.93 | - | 15.45 | - | Disbursed |
| | 368L | Miss. Tan Kimbouy | 53.00 | - | 33.35 | - | Disbursed |
| | | Miss. Tan Kimbouy (Project 2) | 29.30 | - | 29.30 | - | Disbursed |
| | 387L | Mrs. Pen Channa (Project 2) | 38.42 | - | 34.70 | - | Disbursed |
| Kandal | 150L | Akissni Keansvay (Project 2) | 21.00 | - | 21.00 | - | Disbursed |
| | 223L | L.M.K (Project 2) | 24.40 | - | 24.40 | - | Disbursed |
| | 261L | Sahakreas Aphivath Akisni Chunabort* | 5.71 | 9.02 | _ | - | On going |
| | 266L | Mrs. Sor Sa Un | 5.87 | - | 5.87 | - | Disbursed |
| | 278L | Akisny Chrey Loas** (Project 3) | 15.64 | 6.08 | 10.83 | 6.08 | Disbursed |
| Koh Kong | 418L | Mrs. Chheng Touch (Project 3) | 1.00 | 9.00 | _ | - | On going |
| Kratie | 395L | Mrs. Khun Sokgach* (Project 4) | 20.00 | 34.00 | 20.00 | 34.00 | Disbursed |
| | 393L | Mrs. Khun Sokgach* (Project 5) | 5.00 | 29.00 | 5.00 | 29.00 | Disbursed |
| Preah Vihear | 2201 | Mrs. Teang Bonika | 63.00 | 9.00 | 47.00 | - | Disbursed |
| | 329L | Mrs. Teang Bonika (Project 2) | 2.50 | 6.50 | _ | - | On going |
| | 334L | Mr. Chak Sean (Project 3) | 12.61 | _ | _ | - | On going |
| | 364L | Mrs. Teng Kimsreang | 5.60 | _ | 5.60 | - | Disbursed |
| | 409L | Mr. Eng Sotheavatana | 18.00 | - | 18.00 | - | Disbursed |
| Prey Veng | | Inter BP Solution Corporation (Project 2) | 55.00 | 18.00 | 15.00 | 18.00 | Disbursed |
| | 259L | Inter BP Solution Corporation (Project 3) | 19.10 | 21.60 | - | 21.60 | Disbursed and on going |

| | 10181 | | 1,939. | .97 | 1,41 | 8.70 | |
|----------------|--------------|--|----------------------|--------|---------------|--------|------------------------|
| | Total | | 1,326.38 | 613.59 | 960.32 | 458.38 | |
| | 339L | Mr. Thov Ny (Project 3) | 33.85 | - | - | - | On going |
| - | 308L | Mrs. Phin Thai (Project 2) | 19.16 | 7.55 | - | - | On going |
| Tboung Khmum | 085L | Electricity Tbong Khmum Enterprise (Project 7) | 32.00 | - | 32.00 | - | Disbursed |
| Pailin | 009L | M.S.P Development Co., Ltd | 10.00 | - | - | - | On going |
| Otdar Meanchey | 388L | Mrs. Khiev Sophal (Project 2) | 14.50 | _ | 14.50 | - | Disbursed |
| | 273L | Mr. Chea Sovannara | 2.60 | 2.34 | - | - | On going |
| | 238L | Mr. Hou Veasna (Project 2) | _ | 0.95 | - | - | On going |
| | 174L | Electricity Pout Sor Enterprise* (Project 2) | 6.41 | 2.00 | 6.41 | 2.00 | Disbursed |
| | 121L | Mr. Nget Soda | 14.95 | _ | - | - | On going |
| | | Mr. Nget Soda | 14.95 | - | | - | Project Closed |
| Takeo | 118L | Bati Electricity Enterprise (Project 2) | 2.78 | 15.48 | _ | _ | On going |
| Stung Treng | 395L | Mrs. Khun Sokgach* (Project 2) | - | 25.00 | - | 25.00 | Disbursed |
| Preah Sihanouk | 279L | Mr. Khun Chantharith* | 9.50 | 16.70 | 9.50 | 16.70 | Disbursed |
| | 426L | Mr. Laing Neang (Project 2) | 3.18 | 10.14 | 3.18 | 10.14 | Disbursed |
| | 311L | Mrs. Heng Symuy (Project 3) | 23.33 | - | 22.13 | - | Disbursed |
| | 240L | Mrs. Long Kimheng* (Project 2) | 14.00 | 10.50 | 14.00 | 10.50 | Disbursed |
| | 229L | Mr. Khean Kev (Project 2) | 16.00 | _ | 16.00 | _ | Disbursed |
| | 183L | Mrs. Meas Keav (Project 3) | 12.00 | _ | - | - | On going |
| Siem Keap | 111L | Mr. Kong Vun [*] (Project 2) Mr. Kong Vun [*] (Project 4) | 15.27 | - | - | - | On going |
| Siem Reap | | Mr. Kong Vun* (Project 2) | 10.90 | - | 10.90 | - | Disbursed |
| ruisai | 404L | Mr. Heng Chanthavy* (Project 2) | 6.00 | - | - | - | On going |
| Pursat | 438L 332L | Mr. Run Sovann Mr. Nhean Vatana | <u>26.73</u> 6.00 | - | 22.21 6.00 | - | Disbursed Disbursed |
| | 355L | Mr. Chhor Veng Ngoun* (Project 2) | 23.00 | 10.00 | 23.00 | 10.00 | Disbursed |
| | 343L | Nhem Horn Electrical Co., Ltd | 34.56 | 23.30 | 29.76 | 23.30 | Disbursed |
| | 320L | Mr. Thouk Samean | 47.50 | - | 46.70 | - | Disbursed |
| | 272L | Sahakreas Akisani Kampong Chamlong Bakdav* | 2.89 | - | 2.89 | - | Disbursed |
| | 269L | Mr. Kong Yorn (Project 3) | 3.04 | - | - | - | On going |

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

Annex 9 List of villages covered under Program for Providing Assistance to Improve Existing and Develop Electricity Infrastructure in Rural Areas, funded by KfW from 2015 to 2018

| No. | Province/City | Village | Commune | District | License No. | Licensee |
|-----|----------------------|---|---------------|---------------------|-------------|----------------------------------|
| 1 | Banteay | Chamkar Lok, Phnum Thom Thmei | Ou Prasat | | | |
| | Meanchey | Ou Sngaout, Prey Changha Lech, Andoung Lech, Andoung Keut | Banteay Neang | Mongkol Borei | 105L | TNNT Electricity* |
| | | Chum Teav | Ruessei Kraok | Borei | | (Project 3) |
| | | Preah Srae, Kla Kam Chhae | Ta Lam | | | |
| | | Cha Thmei, Kh'av, Thmei, Ta Sorl | Kouk Ballangk | | | |
| | | Boeng Veng | Ta Lam | Mongkol | | |
| | | Lor, Sambour, Sras Chhouk, Srae Prey, Thmar Dorb | Sambour | Borei | 105L | TNNT Electricity* (Project 4) |
| | | Ka Bau | Phnum Lieb | Preah Netr Preah | | |
| | | Thnoung Khang Tboung, Samraong, Pongro, Nam Tau, Kantourt, Chrab, Kouk Yieng, Kouk Chas, Thmei Khang Cheung, Thmei Khang Tboung, Sleng | Nam Tau | Phnum Srok | 401L | Mr. Tan Leang Sreng |
| 2 | Battambang | Chamlang Kraom, Ou Rumchek Kraom, Ou Samrel Leu, Ou Rumchek Leu, Ou Samrel Kraom, | Ou Samrel | Samlout | 392L | ASDVM Co., Ltd |
| | | Sre Reach, Chamkar Chek, Kandal, Sung Muoy, Sung Pir | Sung | Sannout | 592L | (Project 2) |
| | | Samlout Boeng Run, Kantuot | Samlout | | | |
| 3 | Kampong Cham | Doun Lei, Mrenh | Kor | | | |
| | | Prasat Khvet Touch, Tuek Nuem, Trapeang Sangke | Chrey Vien | Prey Chhor | 023L | Mekong Smart Power* |
| | | Kok, Kok Kandal, Tro Mukh Ti Pir, Doung | Tong Rong | | 023L | (Project 3) |
| | | Trapeang Chi Neang, Kouk Trea Lech, Kouk Trea Keut | Lvea | | | |

| | | Krouch | Samraong | | | |
|---|--------------------|--|----------------|--------------------|------|---------------------------------|
| | | Sek Yum | Prey Chhor | | | |
| | | Chres | Baray | | | |
| | | Prey Totoeng | Chrey Vien | Prey Chhor | 023L | |
| | | Bravas, Vatchas, Koma Reach, Chheubak, Chounlaot Day, Traeung | Boeng Nay | | | Malaana Smart Damaa* |
| | | Tonlesar | Trapeang Preah | | | Mekong Smart Power* |
| | | Trapeang Beng, Vatchas, Raong Kou, Kouk Sralau | Baray | | | (Project 5) |
| | | Ta Ong | Ta Ong | Chamkar Leu | | |
| | | Tuol | Batheay | Batheay | 159L | Mr. Khun Sopheap (Project 3) |
| | | Trea, Pou, Svay | Svay Pou | Srei Santhor | | |
| | | Treas, Khnar Sa, Khvet, Kngaok, Ampil | Khnar Sa | | | |
| | | Khting | Tong Tralach | | 335L | Mrs. Khun Naykieng* |
| | | Cheung Doek, Chi Pray, Kdei Thkar, Pram Yam | Pram Yam | | 555L | (Project 2) |
| | | Slaeng, Khsaong | Chi Bal | | | |
| | | Prey Tbeh | Preaek Pou | | | |
| | | Svay | Svay Pou | - Srei Santhor | 335L | Mrs. Khun Naykieng* |
| | | Pram Yam, Cheung Deuk | Pram Yam | Ster Santhor | 555L | (Project 4) |
| 4 | Kampong Chhnang | Andoung Chous, Trapeang Trach, Chearov, Prey Khmer | Rolea B'ier | Rolea B'ier | 095L | Mrs. Chan Simoly |
| | | Kouk Banteay, Spouk Reach | Kouk anteay | Kolea D ler | 093L | (Project 2) |
| | | Andoung Svay | Andoung Svay | | | |
| | | Krang Skear, Ta Sam | Krang Skear | Tuek Phos | 119L | Mr. Un Sothea (Project 6) |
| | | Veal Sbov, Roumeas | Tang Krasang | Tuek Phos | 119L | MI. OII Sothea (Floject 0) |
| | | La Peang | Ta Ches | Kampong Tralach | | OSVB Trading Co. 144 |
| | | Damnak Kei, Sre Sar | Cheung Kreav | | 300L | OSVR Trading Co., Ltd |
| | | Thmar Reap, Cheung Kao | Banteay Preal | Rolea B'ier | | (Project 6) |
| | | Kouk Sdav, Ou Sandan Thmei, Ou Sandan Chas | Tuek Hout | | | |

| | | Krang Leav, Boeng Vang, Sre Veal, Chralong Kok | Krang Leav | | | |
|---|--------------|--|---------------|--------------------|------|--|
| | | Preah Ream reangsei | Chrey Bak | | | |
| | | Trapeang Kravan, Trapeang Ta Sok | Prey Mul | | | |
| | | Kbal Koah, Ka'Ek Pong, Bek Chan, Kla Krahim, Bak Phnum, Veal Sbov, Kien Khlengk | Ampil Tuek | Kampong Tralach | 400L | Mr. Hong Sengkry |
| 5 | Kampong Speu | Kouk Phnov, Chak Kambit, Dak Pou | Vao Sa | | | |
| | | Bak Chen Chien, Bach Kangkeb, Trakeat, Thmar Bang, Rumdoul, Tuol Prech | Trapeang Kong | | | Meng Sok Leng |
| | | Raong Kou, Changkrandek, Andoung | Samraong Tong | Samraong | 137L | Construction and Electric* |
| | | Trapeang Veng Mouy, Trapeang Veng Pit, Kor, Sdok Pring, Praek Ta Chab, Trapeang Kantourt, Ampil Tuek, Thmar Kol, Angkhmau, Ta Pou, Trapeang Ruessei, Kob Chen | Sambour | Tong | 137L | (Project 3) |
| | | Pal Hal, Doeuk Pieng | Chant Saen | Odorralı | | |
| | | Raong Damrei | Phnum Touch | Odongk | | Meng Sok Leng Construction and Electric* (Project 4) |
| | | Ou Kraing Ambil, Prey Pdau, Trapeang Kchong, Rumlong, Sour Kae, Chheu Teal Leu | Trapeang Kong | Samraong | 137L | |
| | | Lor Kchoung, Ampil Tuek | Sambour | Tong | | |
| | | Lor Khpoub Khpos, Tuol, Chaork, Krang Doung, Trapeang Chouy, Kong Loeng | Prey Krasang | | | |
| | | Saram | Peang Lvea | Odonalı | 155L | Sahakreas Aphivath |
| | | Yous Chea, Chres | Cheung Roas | Odongk | IJJL | Akisni Samrethkiry |
| | | Prey Tien | Yuth Sameakki | | | (Project 4) |
| | | Chraok Popoul, Prey Tunsay | Chumpu Proeks | | | (|
| | | Tang Krasang, Pouthi | Phneay | Samraong Tong | | |
| | | Sras Thoul, Trapeang Thum | Yuth Sameakki | Odongk | | Scholmood Ambiyoth Alvieri |
| | | Kandal | Peang Lvae | | 155L | Sahakreas Aphivath Akisni Samrethkiry (Project 5) |
| | | Chbar Chous, Ak Yum, Ang | Krang Chek | | | Sameukny (Floject 3) |
| | | Chum Tub Maon, Chambak Run | Damnak Reang | | | |
| | | Sarikakeo, Chres | Cheung Raos | | | |

| | | Chek, Krang Khlung, Trapeang Leu | Sdok | Kong Pisei | | |
|---|--------------|--|------------------------|-----------------|------|---|
| | | Prey Kanhchan, Prey Ngoung, Trapeang Phlong | Pheari Mean Chey | Basedth | | |
| | | Trapeang Damri, Trapeang Kas, Traok Veng, Thlok Kandal | Saen Dei | | | |
| | | Sre Phsar, Anlong Popeay, Ou Tamneap, Trapeang Krasang | Krang Ampil | Samraong | 224L | Sokha Electricity Co., Ltd** (Project 4) |
| | | Prey Pradak, Prey Kdei, Trapeang Leaph, Kampok, Mon | Thummoda Ar | Tong | | (110)eet 4) |
| | | Prey Kampoung | Kahaeng | | | |
| | | Tonloab, Trapeang Ta Luong, Prey Rongeang | Skuh | | | |
| | | Ta Minh, Kralanh, Krang Thnal, Krang Chachat, Chrak Trach | Moha Sang | Phnum Sruoch | | |
| | | Toap Mreak, Trapeang Teab, Cheung Phnum, Trapeang Chhuk, Ta Reach, Krang Traok | Kak | | | |
| | | Beong, Trapeang Prei, Khlouk, Khnang, Trapeang Veng, Thnal Dach | Preah Khae | | | 386L Mr. Ung Khunvathnak (Project 3) |
| | | Phsar Trapeang Phos, Trapeang Phos, Ta Prach, Tuol Khcheay, Khpob Veng, Kanlang, chas | Basedth | Basedth | 386L | |
| | | Trapeang Peuk, Thlok Bei, Prey Sampoar, Veal Lvieng, Phnum Koub, Roka Thom, Roka Kaong, Sambour Meas | Kat Phluk | | | |
| 6 | Kampong Thom | Daun Ben | Boeng | | | Dhang Kaang Elastrisity Dte |
| | | Doung, Sralau Taong | Ballangk | Baray | 006L | Pheng Keang Electricity Pte (Project 2) |
| | | Ta Brok, Chaom Trach | Chhuk Khsach | | | (Floject 2) |
| | | Ta char, Trea, Veal, Hab, Sam Kaok, Chrang Sa, Leab Tong | Trea | | | |
| | | Tnaot | Kampong Chen Cheung | Stoung | 063L | Mr. Ong Hoksin |
| | | Preah Neangkoal, Sampoar | Chamnar Kraom | | | |
| | | Tnaot Kom, Pophluk, Pradet, Ou Rumchek, Krasang Chrum Cheung, Lvea, Kouk Snay, | Samprouch | | | |

| | | Krasang Chrum Tboung, Ampil, Samprouch, Doun La, Pey | | | | |
|---|--------|--|--------------|--------------------|------------------|--|
| | | Krasang Ka, Krasang Kha, San Kor Kha, Prasat | San Kor | Kampong 2291 | Mr. Saeu Tienkok | |
| | | Tbeng Ka, Tbeng Kha, Ressei Cheah | Tbaeng | Svay | Svay 228L | wir. Saeu Tienkok |
| | | Ampil | San Kor | Kampong | | T.K.T.D Electricity |
| | | Chheu Teal, Sranhea, Ou Ambeng, Ta Am, Boeng Andeaeng, Phlouk, Po, Tram Kla | Tbaeng | Svay | 228L | Enterprise (Project 3) |
| | | Prohout, Kranhoung, Prey Mari, Phdeak, Sramar, Suchous | Phan Nheum | | | |
| | | Anlong Chour, Kra Ya Tboung, Kra Ya Cheung, Bous Thom, Baray | Kraya | Prasat Bellengt | 368L | Miss. Tan Kimbouy |
| | | Ou Khchorng, Sakream Khang Tboung, Sakream Khang Cheung, Veal Tnal, Trapeang Pring, Bam Artith | Sakream | Ballangk | | |
| | | Daun Chhouk, Nipechr Ko, Nipechr Khor | Nipechr | Vomnong | 368L | Miss. Tan Kimbouy (Project 2) |
| | | Mongkol, Mongkol Sla, Kob Thlok, Damrei Slab, Vor Yeav | Damrei Slab | Kampong Svay | | |
| | | Stoung | Phan Nheum | Prasat Ballangk | | (Floject 2) |
| | | Anlong Lok | Prey Kuy | | | Mrs. Pen Channa (Project 2) |
| | | Ta Am, Chrang Kraham, Ta Pong, Ou Sala, Chong Prey | Kampong Svay | Kampong Svay | | |
| | | Ta Theav, Mou Hor, Trapeang Areaks, Lvae, Prey Tub | Chey | Svay | 387L | |
| | | Ath Sour, Cheay Sampau, Ou Krou Kae | Sambour | Prasat Sambour | (110)eet 2) | |
| | | Chamnar, Dang Anleak, Chey | Sala Visai | Prasat Ballangk | | |
| 7 | Kandal | Anlong Kraviek, Beng, Lumhach, Boeng Tnal, Trapeang Kark, Chamkar Chen, Trapeang Tnaot, Chheu Boun | Mkak | Angk Snuol | 137L | Meng Sok Leng Construction and Electric* (Project 3) |
| | | Rumdech, Angkor Meas | Mkak | Angk Snuol | 137L | Meng Sok Leng |

| | | Titouy Pong, Chantrea Thmei, Lvi | Tuol Prech | | | Construction and Electric* |
|---|--------|---|---------------------|------------------|------|------------------------------------|
| | | Sereipeab, Traing Trach, Trapeang Chhouk, Kdan Rouy | Damnak Ampil | | | (Project 4) |
| | | Praeak Doung, Kampong Svay | Kampong Svay | | | |
| | | Rotaeang | Phum Thum | | | Akissni Keansvay (Project 2) |
| | | Slab Ta Oun, Chunlok Krau | Kokir | Kien Svay | 150L | |
| | | Sdau Kanlaeng | Dei Edth | | 130L | |
| | | Kchom, Kandal Leu, Kandal Krom | Banteay Daek | | | |
| | | Ruessei Chrouy, Preaek Ta Chou | Svay Prateal | S'ang | | |
| | | Kampong Talong, Srok Chek | Boeng Khyang | Kandal | 174L | Electricity Pout Sor |
| | | Choulong | Tbaeng | Stueng | 1/4L | Enterprise* (Project 2) |
| | | Preaek Kampues, Preaek Tloeng, Krang Svay, Srey Snom, Damnak Sangkae | Preaek Kampues | Kandal | 223L | L.M.K (Project 2) |
| | | Krapeu Troum, Preah Thieat | Roluos | Stueng | | |
| | | Preaek Prasab | Preaek Prasab | Khsach | 335L | Mrs. Khun Naykieng* |
| | | Chey Toch, TaKeat Lech, Preaek Thmei | Chey Thum | Kandal | 555L | (Project 4) |
| | | Ampov Prey Bei, Ta Dourk Mouy, Ta Dourk Pir, Ta Dourk Bei | Ampov Prey | Kandal | 266L | Mrs. Sor Sa Un |
| | | Chrey Young, Svay Prey | Kandok | Stueng | | |
| | | Prey Kong Reach, Preaek Rey | Preaek Rey | T A | | |
| | | Preaek Ta Prang | Phum Thum | Lvea Aem | | |
| | | Tuol Pongro | Sithor | | | Sahakreas Akisani |
| | | Tbong Damrei, Preaek Dambong | Kampong Chamlang | Khsach Kandal | 272L | Kampong Chamlong Bakdav* |
| | | Chrouy Khsach, Bak Dav Leu, Bak Dav Krom | Bak Dav | | | |
| | | Tang Sdok, Chhveang, Kakab, Svay, Pongro, Sdok Ta Chan, Prasat, Sleng, Srae Ambil, Preaek Phcheuk, Ta Ork | Chhveang | Ponhea Lueu | 278L | Akisny Chrey Loas** (Project 3) |
| 8 | Kratie | Ou Chralang | Ou Krieng | Sambour | 395L | Mrs. Khun Sokgach* (Project 2) |
| | | Ou Preah | Ou Krieng | Sambour | 395L | Mrs. Khun Sokgach* |

| | | Srae Chhouk | Roluos Mean Chey | | | (Project 4) |
|----|--------------|--|------------------------|---------------------|------------|-----------------------------------|
| | | Ou Krieng | Ou Krieng | Sambour | 395L | Mrs. Khun Sokgach* (Project 5) |
| 9 | Preah Vihear | Rumchek, Phnum Deaek, Srae Thnoung | Romoneiy | | | |
| | | Trapeang Toteum, Tuol Rovieng, Ou Trolouk | Romtum | | | |
| | | Svay Pat, Tnot Kaong, Kouk Ampil, Dei Krahorm, Tuol Ampil | Rumdaoh | Rovieng | | |
| | | Kork Poun, Saraong | Raksa | | | |
| | | Anlong Svay, Krang Daung | Preah Khleang | Tbaeng Mean Chey | 329L | Mrs. Teang Bonika |
| | | Dar, Pratheat, Tbeng | Chamraeun | Sangkum Thmei | | |
| | | Ta Su | Tasu | | | |
| | | S'ang | S'ang Chey Saen | | | |
| | | Soch | Sdau | Sangkum | 364L | Mrs. Tong Kimeroong |
| | | Trapeang Rang | Ronak Ser | Thmei | 304L | Mrs. Teng Kimsreang |
| | | Sangkae, Sra'Em | Sangkae Mouy | | | Mr. Eng Sotheavatana |
| | | Chheb Lech | Chhaeb Mouy | Chhaeb | 409L | |
| | | Dong Phlit | Chhaeb Pir | | | |
| 10 | Prey Veng | Daun Yo | Chea Khlang | Svay Antor | Svav Antor | |
| | | Trabeaek Lech, Taream Keut, Taream Lech | Angkor Tret | Svuy Millor | | |
| | | Andoung Sala, Trapeang Thlan Tboung, Kouk Roka, Trapeang Thlan Cheung, Tuol Tnaot | Preal | Kanhchriech | | |
| | | Krous, Boeng Anhchach, Ampeang | Kdoeang Reay | | | Inter BP Solution |
| | | Praha, Chumpou, Damnak Serei, Prey Chamkar | Smaong Khang Tboung | | 259L | Corporation (Project 2) |
| | | L'ak, Trapeang Skun, Poun | Smaong Khang Cheung | Kamchay Mear | | |
| | | Ou, Tuol Ta Meaks, Trapeang Prei, Chambak Kaong, Trapeang Kampeus | Trabaek | | | |
| | | Prey Ta Prum, Svay, Trapeang Kranh, Trapeang | Preal | Kanhchriech | 259L | Inter BP Solution |

| Tim | | | | Corporation (Project 3), |
|--|--------------------|-----------------------|------|----------------------------------|
| Prey Tbal | Chong Ampil | | | 1 st Payment |
| Krous | Kdoeang Reay | | | |
| Tboung Wat | Krabau | | | |
| Trapeang Prei, Tralach Sa, Daun Diev | Trabaek | Kamchay | | |
| Boeng Kak, Prey Ta Mok Thmei, Trapeang Dang Heut, Chuor Ph'av | Doun Koeng | Mear | | |
| Krang Chambak | Pean Roung | Svay Antor | | |
| Preaek Chhous, Preaek Ta Sar | Preaek Ta Sar | | | Sahakreas Akisani |
| Kampong Prang, Ta Roath, Lvea Kaong, Sambour, Peak Sbeaek | Kampong prang | Pea Reang | 272L | Kampong Chamlong Bakdav* |
| Trapeang Kdam, Prey Totuen, Prey Mul, Prey Chrum, Boeng, Phav, Ampil Toul, Sampoar | Prey Totueng | | | |
| Andoung Ta Sren, Mean Chey, Prey Roka, Traok, Prey Sakum, Boeng Antong | Chres | Me Sang | 320L | Mr. Thouk Samean |
| Svay Tong, Sre Rean, Preah Andoung, Boeng Antong, Chong Tuol | Svay Chrum | | | |
| Tbeng, Russei | Thkov | | | Nhem Horn Electrical Co., Ltd |
| Doung | Chrey | | | |
| Prey Krang, Chi Peay, Beng, Chi Ak | Prey Poun | | | |
| Pech Roatn, Prey Samroung, Chi Peay Krang Leav, Ka Thom | Cham | Kampong Trabaek 34 | 343L | |
| Cheang Dek, Ta Meas, Ponhea Keut, Krouch, Prey Rumlong, Angkrong, Krang Veng, Oknha Soeng, Thnoeng | Cheang Daek | | | |
| Sla, Prey Meas, Tnaot, Lvea, Chrey Krahim | Kampong Ruessei | Pea Reang | 2551 | Mr. Chhor Veng Ngoun* |
| Pou Rieng Cheung, Pou Rieng Tboung | Pou Rieng | 355L | 333L | (Project 2) |
| Bakdork, Anlong Trea | Preaek Chrey | Pou Rieng | | |
| Tnal Keng, Chek, Chrey Rou Ling, Savang, Trae, Phnaet, Pouthi Tamum, Svay Tieb, Svay | Svay Chrum | Me Sang | 438L | Mr. Run Sovann |

| | | Otdom, Srae Rien, Svay Tong, Angkae Dei, | | | | |
|----|----------------|---|---------------------|------------------|-------------|---|
| | | Boeng Anlong | | | | |
| 11 | Pursat | Prahal | Ta Lou | Bakan | 332L | Mr. Nhean Vatana |
| 12 | Siem Reap | Tato, Doun Sok | Kouk Thlok Kraom | | | |
| | | Sandan | Chi Kraeng | Chi Kraeng | 111L | Mr. Kong Vun* |
| | | Prey Totoeng, Kbal Kdouch, Ballangk, Kouk Pumpil, Rumchey Chous | Lveaeng Ruessei | | | (Project 2) |
| | | Rolum Touk | Svay Leu | Cuer Leu | 2201 | Mr. Khaon Koy (Drainst 2) |
| | | Trapeang Pel | Ta Siem | Svay Leu | 229L | Mr. Khean Kev (Project 2) |
| | | Lvea Krang, Kouk Wat, Samot, Rolum Run Thmei | Srae Nouy | Varin | 240L | Mrs. Long Kimheng* (Project 2) |
| | | Slat, Chum Num Reach, Kouk Chas, Rovieng Thmei, Kouk Khnang | Srae Khvar | Angkor Chum | 311L | Mrs. Heng Symuy (Project 3) |
| | | Khvay, Kouk, Khan Sar, Daun Mien, Takuoy | Koul | Chum | | |
| | | Kouk Thmei, Reul, Prey Khyaong, Kouk Chambak | Krouch Kou | Kralanh | | |
| | | Lvea | Moung | Srei Snam | | |
| | | Ou | Khvav | Chi Kraeng | 426L | Mr. Laing Neang (Project 2) |
| 13 | Preah Sihanouk | Cham Srey | Kampong Seila | Vomnong | | |
| | | Stoeng Chras, Prey Braseth | Ou Bak Roteh | Kampong Seila | 279L | Mr. Khun Chantharith* |
| | | Samdech Ta, Boeng Trach | Chamkar Luong | Sella | | |
| 14 | Stung Treng | Tboung Khla, Koh Chruem, Ou Mreah | Ou Mreah | Siem Bouk | 395L | Mrs. Khun Sokgach* (Project 2) |
| 15 | Takeo | Tbaeng | Lumpong | | | Electricity Dout Ser |
| | | Trapeang Trau, Chambak, Krouch, Prey Lvea, Krang Pouthi, Khlaeng Sambath | Pot Sar | Bati | 174L | Electricity Pout Sor Enterprise* (Project 2) |
| 16 | Otdar Meanchey | Taben, Kouk Samrech, Rolumveng, Koul | Pongro | Chong Kal 388L | V.1 2001 | Mrs. Khiev Sophal |
| | | Kouk Trang, Tanouk | Cheung Tien | | (Project 2) | |
| 17 | Tboung Khmum | Tuol Vihear, Tuol Boeng Tral | Chirou Ti Pir | | 0951 | Electricity Tbong Khmum |
| | | Ta Uy, Chouy Sralau | Tonle Bet | | 0851 | Enterprise (Project 7) |

| | Andoung Lve, Tuol Treal Cheung, Chrak Chambak, Veal Kandieng | Chob | | |
|-------|---|-------------|--------------|--|
| | Chrouy Changva, Trapeang Krapeur | Mong Riev | | |
| | Tuol Mean Chey, Thmei Kandal, Thmei Leu, | | | |
| | Tuol Sambour, Kbal Tuek, Basrey, Tnal Kaeng, | Preah Theat | Ou Reang Ov | |
| | Tuol Pnau, Phnum | | | |
| Total | 596 Villages | 74 Communes | 54 Districts | |

Annex 10 Map showing the provinces for which REF provided assistance to improve existing and develop electricity infrastructure in rural areas, funded by KfW from 2015 to 2018

