

# Draft Land Acquisition and Resettlement Plan for the Power Transmission Line

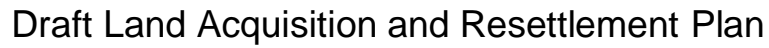
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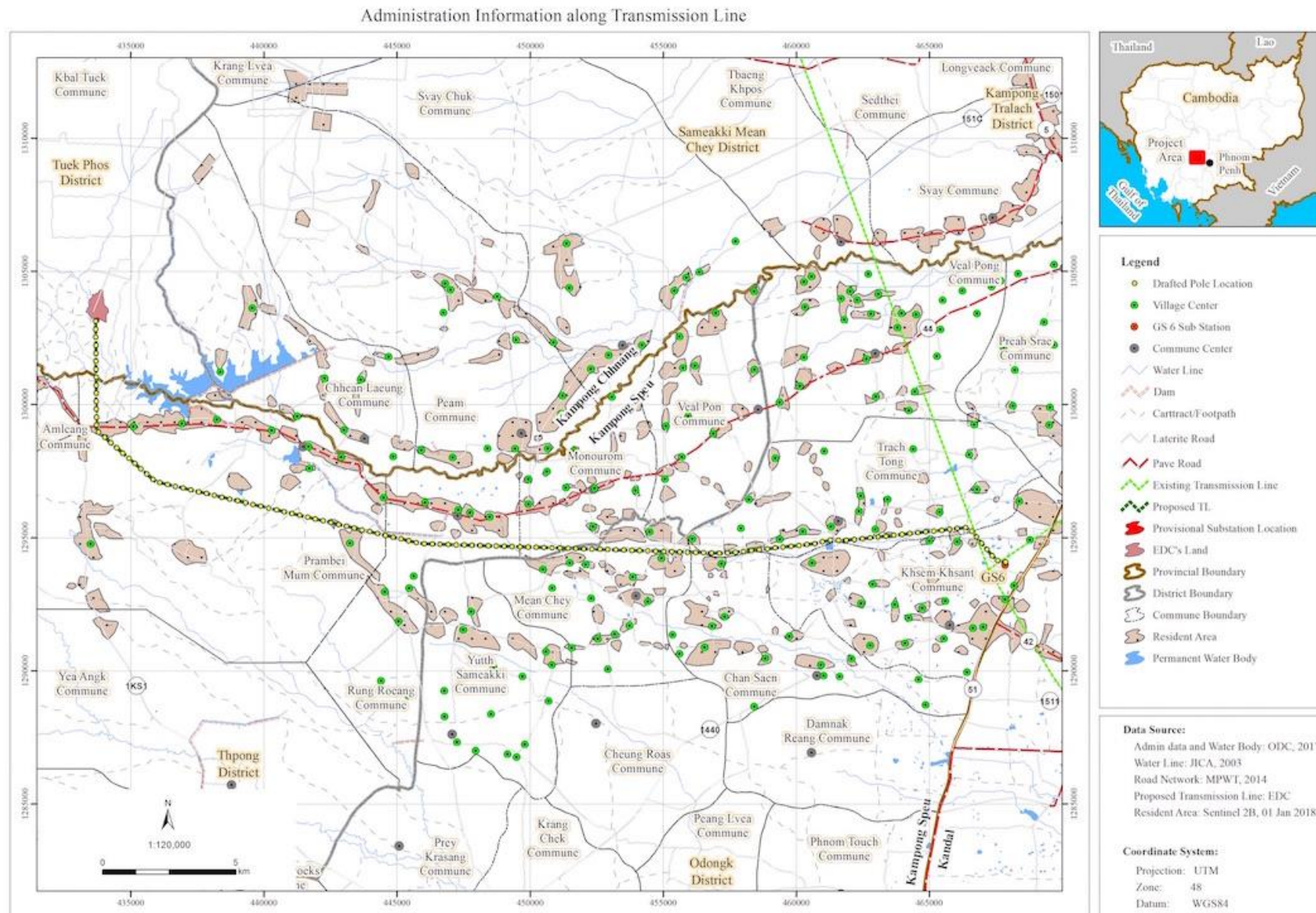
Annexes A-D5  
September 2018

## Cambodia: National Solar Park Project

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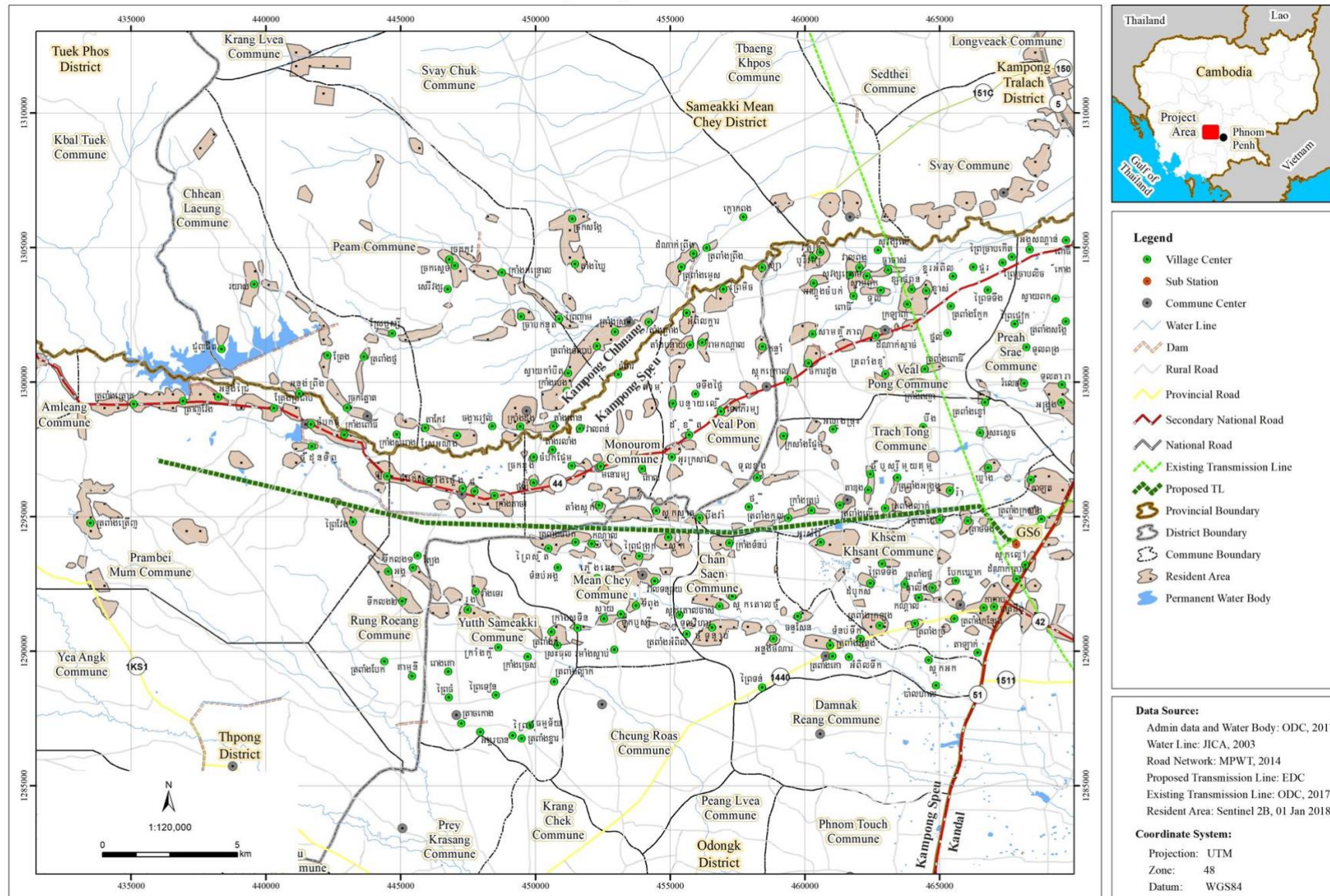




Map 2. Location of Solar Park Site 6 and the transmission line from GS6 to the planned solar park



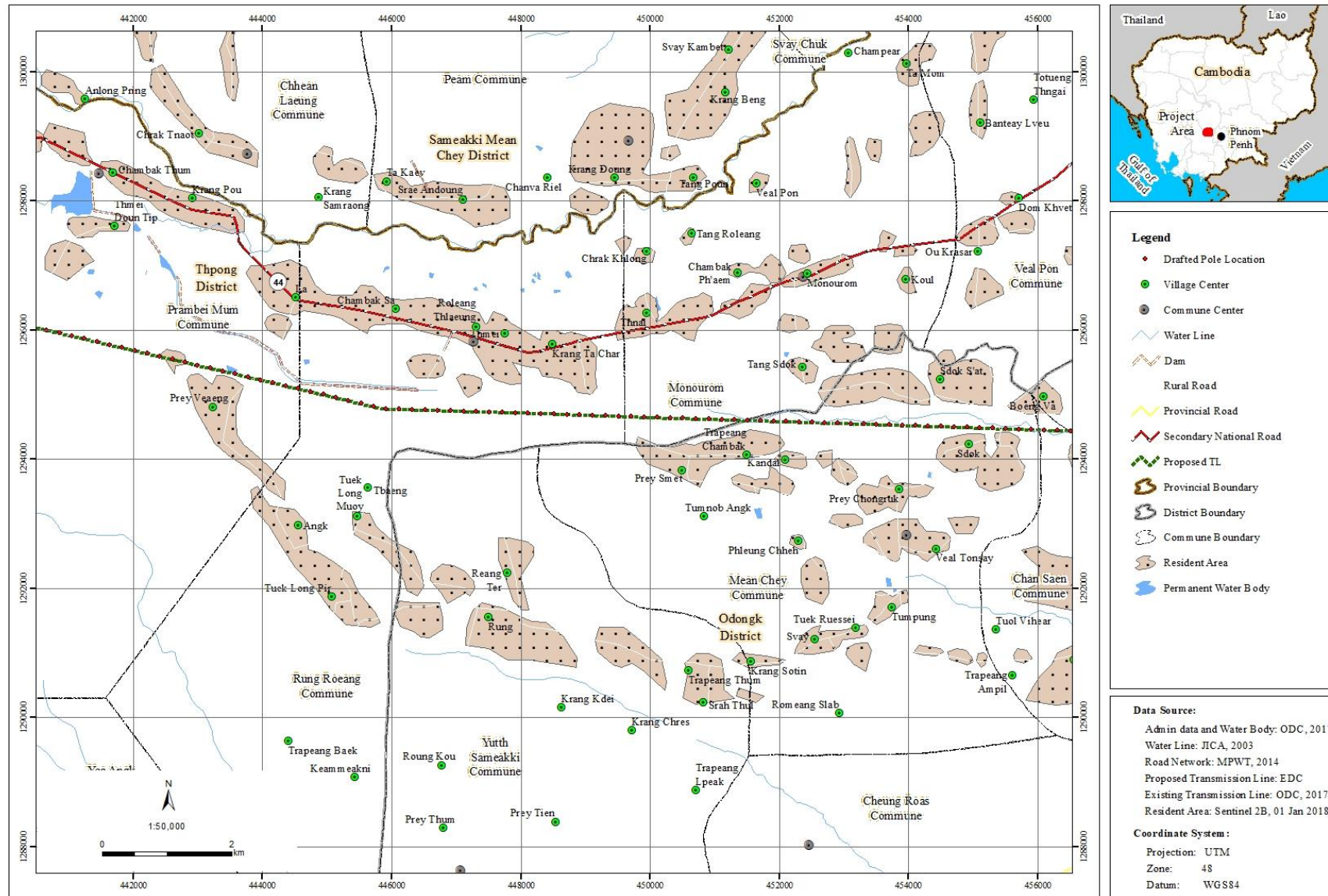
Administration Map of Project Area



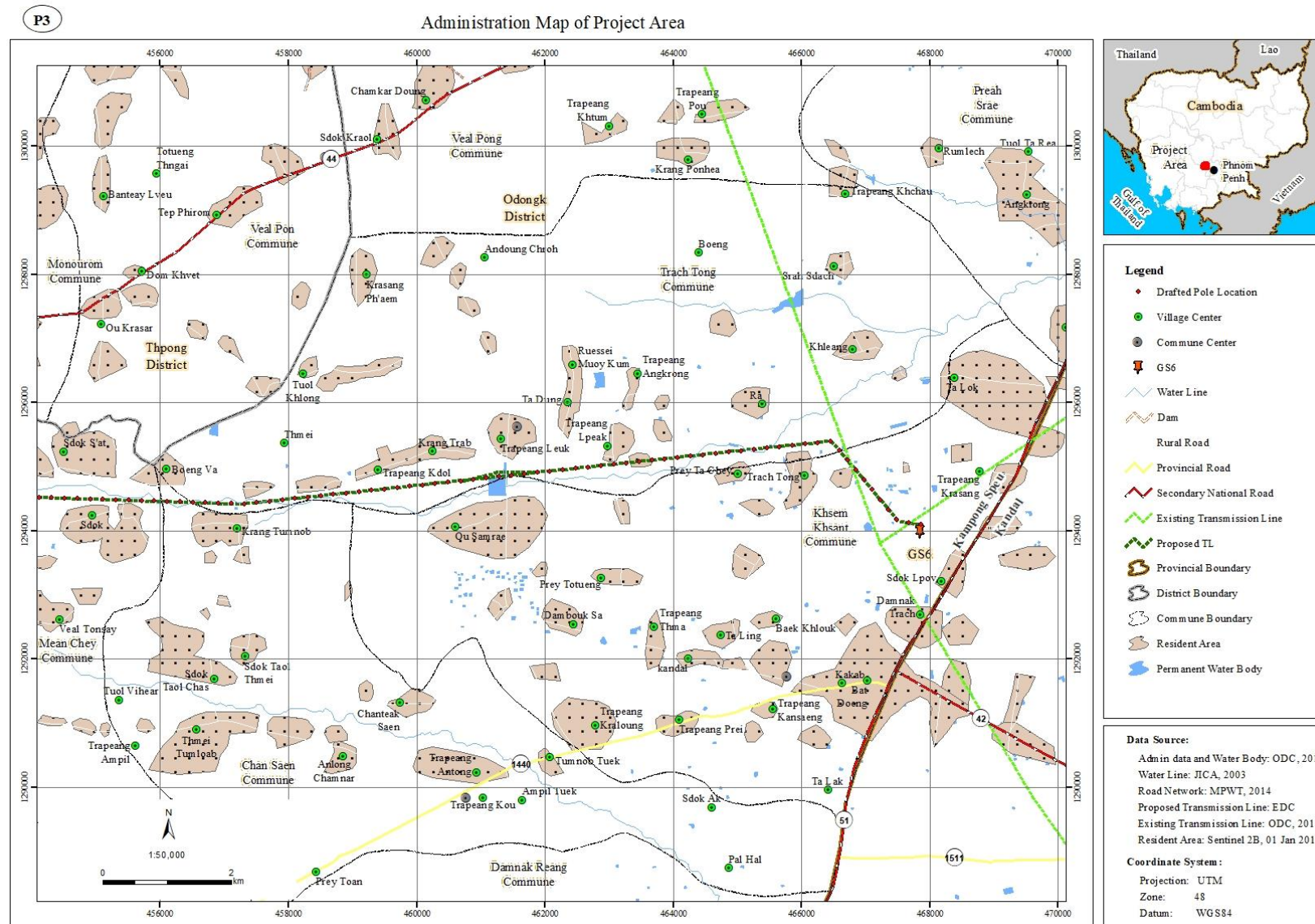
Map 3. The 33km of the transmission line assessed during the Draft LARP preparation

P2

## Administration Map of Project Area







## Draft Land Acquisition and Resettlement Plan

### ANNEX B: Data record form for vegetation field survey along the Transmission line

#### I. Pole/Tower Info

1. Pole No. \_\_\_\_\_
2. Nearest Villages: \_\_\_\_\_
3. Commune: \_\_\_\_\_
4. UTM Coordinate (if no need to move, no need to record):  
X) \_\_\_\_\_  
Y) \_\_\_\_\_
5. Confirmed UTM Coordinate: (if need to move from about location)  
X) \_\_\_\_\_  
Y) \_\_\_\_\_
6. Reason of changing the pole location:  
\_\_\_\_\_  
\_\_\_\_\_
7. Type of land use

|                                |                |
|--------------------------------|----------------|
| A. Paddy field                 | Area: _____ m2 |
| B. Orchard (Fruit tree)        | Area: _____ m2 |
| C. Plantation (Non-Fruit tree) | Area: _____ m2 |
| D. Scrubland                   | Area: _____ m2 |
| E. Build-Up (လုံခြုံရေးအိမ်)   | Area: _____ m2 |
| F. Forest                      | Area: _____ m2 |
| G. Other _____                 | Area: _____ m2 |
| H. Other _____                 | Area: _____ m2 |
| I. Other _____                 | Area: _____ m2 |
| J. Other _____                 | Area: _____ m2 |
8. Structure

|                    |                 |
|--------------------|-----------------|
| A. House           | Quantity: _____ |
| B. School          | Quantity: _____ |
| C. Pagoda          | Quantity: _____ |
| D. Sacred building | Quantity: _____ |
| E. Warehouse       | Quantity: _____ |
| F. Factory         | Quantity: _____ |

G. Canal Quantity: \_\_\_\_\_

H. Other \_\_\_\_\_ Quantity: \_\_\_\_\_

9. Need Relocation? 1. Yes 0. No

10. Comments: Why?

11. Photo-log of pole location: Name) \_\_\_\_\_

12. Photo-log on direction to next pole: Name) \_\_\_\_\_

## II. 30 m Right of Way (ROW)

13. Current Pole : \_\_\_\_\_ to 14. Previous Pole : \_\_\_\_\_

15. Type of land use

A. Paddy field Area: \_\_\_\_\_ m<sup>2</sup>

B. Orchard (Fruit tree) Area: \_\_\_\_\_ m<sup>2</sup>

C. Plantation (Non-Fruit tree) Area: \_\_\_\_\_ m<sup>2</sup>

D. Scrubland Area: \_\_\_\_\_ m<sup>2</sup>

E. Build-Up (လုံခြုံမှု) Area: \_\_\_\_\_ m<sup>2</sup>

F. Forest Area: \_\_\_\_\_ m<sup>2</sup>

G. Other \_\_\_\_\_ Area: \_\_\_\_\_ m<sup>2</sup>

H. Other \_\_\_\_\_ Area: \_\_\_\_\_ m<sup>2</sup>

I. Other \_\_\_\_\_ Area: \_\_\_\_\_ m<sup>2</sup>

J. Other \_\_\_\_\_ Area: \_\_\_\_\_ m<sup>2</sup>

16. Bush/Vegetation above 3m: Area: \_\_\_\_\_ m<sup>2</sup>

17. Bush/Vegetation below 3m: Area: \_\_\_\_\_ m<sup>2</sup>

18. Lake/Pond: Area: \_\_\_\_\_ m<sup>2</sup>

19. Tree crops to prune or trim:

### A. Tree

1) Mango Quantity: \_\_\_\_\_

2) Cashew nut Quantity: \_\_\_\_\_

3) \_\_\_\_\_ Quantity: \_\_\_\_\_

4) \_\_\_\_\_ Quantity: \_\_\_\_\_

5) \_\_\_\_\_ Quantity: \_\_\_\_\_

### B. Plantation

Quantity: \_\_\_\_\_



|               |                      |
|---------------|----------------------|
| 1) Mango      | Quantity: _____ (m2) |
| 2) Cashew nut | Quantity: _____ (m2) |
| 3) _____      | Quantity: _____ (m2) |
| 4) _____      | Quantity: _____ (m2) |
| 5) _____      | Quantity: _____ (m2) |

20. Structure underneath line

|                         |                    |                                |
|-------------------------|--------------------|--------------------------------|
| A. House                | 1) Quantity: _____ | 2) Distance from line: _____ m |
| B. Crossing Canal       | 1) Length: _____ m | 2) Distance from pole: _____ m |
| C. Parallel Canal       | 1) Length: _____ m | 2) Distance from line: _____ m |
| D. Crossing Access Road | 1) Length: _____ m | 2) Distance from pole: _____ m |
| E. Parallel Access Road | 1) Length: _____ m | 2) Distance from line: _____ m |
| F. _____                | 1) Quantity: _____ | 2) Distance from line: _____ m |
| G. _____                | 1) Quantity: _____ | 2) Distance from line: _____ m |
| H. _____                | 1) Quantity: _____ | 2) Distance from line: _____ m |

21. Need Relocation?                      1. Yes                      0. No

22. Comments: Why?

\_\_\_\_\_

\_\_\_\_\_

23. Photo-log of Access road (if any):                      Name) \_\_\_\_\_                      X) \_\_\_\_\_                      Y)

\_\_\_\_\_

24. Comment/observation on access road (How many pole can it go to? Is it possible to transport raw material via this road?)

\_\_\_\_\_

\_\_\_\_\_

25. Photo-log of important structure (if any):                      Name) \_\_\_\_\_                      X) \_\_\_\_\_                      Y)

\_\_\_\_\_

26. Photo-log of important structure (if any):                      Name) \_\_\_\_\_                      X) \_\_\_\_\_                      Y)

\_\_\_\_\_

### III. 370 m Section

27. Type of land use

|                                |                |
|--------------------------------|----------------|
| A. Paddy field                 | Area: _____ m2 |
| B. Orchard (Fruit tree)        | Area: _____ m2 |
| C. Plantation (Non-Fruit tree) | Area: _____ m2 |
| D. Scrubland                   | Area: _____ m2 |

|                         |                            |
|-------------------------|----------------------------|
| E. Build-Up (លំនៅដ្ឋាន) | Area: _____ m <sup>2</sup> |
| F. Forest               | Area: _____ m <sup>2</sup> |
| G. Other _____          | Area: _____ m <sup>2</sup> |
| H. Other _____          | Area: _____ m <sup>2</sup> |
| I. Other _____          | Area: _____ m <sup>2</sup> |
| J. Other _____          | Area: _____ m <sup>2</sup> |

## 28. Structure

|                                    |                             |
|------------------------------------|-----------------------------|
| A. House                           | Distance from line: _____ m |
| B. School                          | Distance from line: _____ m |
| C. Pagoda                          | Distance from line: _____ m |
| D. Sacred building                 | Distance from line: _____ m |
| E. Warehouse                       | Distance from line: _____ m |
| F. Factory                         | Distance from line: _____ m |
| G. Canal (ប្រឡាយ)                  | Distance from line: _____ m |
| H. Natural Stream (អូរ/ព្រែក)      | Distance from line: _____ m |
| I. Fish pond (ស្រះចិញ្ចឹមត្រី)     | Distance from line: _____ m |
| J. Water pond (ស្រះទឹក)            | Distance from line: _____ m |
| K. Dam (ទំនប់ទឹក)                  | Distance from line: _____ m |
| L. Reservoir (អាងស្តុកទឹក)         | Distance from line: _____ m |
| M. Cart tract/footpath (ផ្លូវរទេះ) | Distance from line: _____ m |
| N. Rural Road (ផ្លូវលំ)            | Distance from line: _____ m |
| O. Other _____                     | Distance from line: _____ m |

29. Photo-log of important structure (if any):

\_\_\_\_\_

Name) \_\_\_\_\_ X) \_\_\_\_\_ Y)

30. Photo-log of important structure (if any):

\_\_\_\_\_

Name) \_\_\_\_\_ X) \_\_\_\_\_ Y)

Draft Land Acquisition and Resettlement Plan

**ANNEX C: Census of Affected Households and Inventory of Loss Questionnaire**

|   |  |
|---|--|
| <b>DATE OF INTERVIEW:</b> _____ <b>NAME OF ENUMERATOR:</b> _____  |  |
| <b>SIGNATURE OF THE ENUMERATOR:</b> _____ <b>HOUSEHOLD CODE:</b> _____  |  |
| <b>Pole No:</b> 1) _____ 2) _____ 3) _____  |  |
| <b>THE LAND OWNER:</b> <input type="checkbox"/> Known, Name: _____, <input type="checkbox"/> Male <input type="checkbox"/> Female<br><input type="checkbox"/> Unknown |  |
| <b>ADDRESS:</b> <input type="checkbox"/> Known <input type="checkbox"/> Unknown: Skip to Q74  |  |
| Name of Village _____ Commune _____ <b>District</b> _____ Province _____  |  |
| <b>Distance from Pole</b> _____   |  |
| <b>Able to attend interview?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No Skip to Q74   |  |

*If respondent is not head of the household, please fill in box:*

|  |
|--|
| Name of respondent: _____ Age: _____ Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female |
| Relationship to household head: _____ or <input type="checkbox"/> <b>Tenant</b>                            |

*All the information below is confidential and used for the project land acquisition and resettlement planning purposes only*

**I. CENSUS OF THE AFFECTED HOUSEHOLDS**

**A. INFORMATION ON THE HOUSEHOLD HEAD/RESPONDENT**

|                                   |                       |   |
|-----------------------------------|-----------------------|---|
| <b>Q1. Name (Optional):</b> _____ | <b>Q2. Age:</b> _____ | <b>Q3. Gender:</b> <input type="checkbox"/> Female<br><input type="checkbox"/> Male |
|-----------------------------------|-----------------------|---|

**Q4. Are you the Household Head (HH)?**  
☐ Yes  
☐ No (Please, specify who the HH head is): \_\_\_\_\_

|   |   |
|---|---|
| <b>Q5. Ethnic origin</b><br><input type="checkbox"/> Khmer<br><input type="checkbox"/> Cham (Khmer-Muslim)<br><input type="checkbox"/> Vietnamese<br><input type="checkbox"/> Chinese (Khmer-Chinese)<br><input type="checkbox"/> Other Ethnic Group (specify): _____ | <b>Q6. Religion</b><br><input type="checkbox"/> Buddhism<br><input type="checkbox"/> Islam<br><input type="checkbox"/> Christian<br><input type="checkbox"/> Other (specify): _____ |
|---|---|

**Q7. Civil status of HH head**  
☐ Single (never married)  
☐ Married (living together)  
☐ Female-headed Household (female/solo parent, widow, separated or divorced)  
☐ Widower (male whose wife is dead; or separated/divorced from wife)  
☐ Living together but not married

**Q8. Physical condition of HH head**  
☐ Normal (no disability)  
☐ With disability  
Describe the disability: \_\_\_\_\_



**Q9. Length of stay in the village of HH head**

- ☐ Less than two years
- ☐ Two to five years
- ☐ Six to ten years
- ☐ More than ten years
- ☐ Have always lived here

**Q10. Primary occupation of HH head**

- ☐ Farming
- ☐ Fishing
- ☐ Livestock breeding
- ☐ Forest activities
- ☐ Own business or trade enterprise
- ☐ Casual work (e.g., plantation labour, construction)
- ☐ Wage/salaried work in public sector
- ☐ Wage/salaried work in private sector
- ☐ Student
- ☐ No job
- ☐ Other job – specify: \_\_\_\_\_

**Q11. Employment status of HH head**

- ☐ Self-employed
- ☐ Full-time wage work/ permanent
- ☐ Casual/temporary/ part-time
- ☐ Unpaid family work
- ☐ Seasonal worker (i.e. farmer or fisherman/fisherwoman)
- ☐ Other status – specify: \_\_\_\_\_

**Q12. How much is your (household head's) monthly Income? \_\_\_\_\_ Riel****Q13. Primary income source of household head?**

- ☐ Farming
- ☐ Fishing
- ☐ Livestock breeding
- ☐ Forest activities
- ☐ Own business or trade enterprise
- ☐ Casual work (e.g., plantation labour, construction)
- ☐ Wage/salaried work in public sector
- ☐ Wage/salaried work in private sector
- ☐ Other, specify: \_\_\_\_\_

**Q14. Highest educational attainment of household head**

- ☐ No schooling/did not attend formal education
- ☐ Primary school uncompleted
- ☐ Primary school completed
- ☐ Lower Secondary uncompleted
- ☐ Lower Secondary completed
- ☐ High School uncompleted
- ☐ High School completed
- ☐ Vocational course
- ☐ University/College uncompleted
- ☐ University/College completed

**Q15. Which vulnerable group/s does the household head belong to (if any)?**

- ☐ Female-headed household
- ☐ Ethnic minority household
- ☐ Poor household

- ☐ Social-aided household
- ☐ Disabled
- ☐ Children-headed household
- ☐ Elderly-headed household
- ☐ Not vulnerable

## B. HOUSEHOLD COMPOSITION AND ECONOMIC STATUS

**Q16. Total number of household members:** \_\_\_\_\_

Including: \_\_\_\_\_ Male member(s) \_\_\_\_\_ Female member(s)

**Q17. Total number of families living in your house:**

- ☐ 1 Family
- ☐ 2 Families
- ☐ 3 Families
- ☐ 4 or more families

**Q18. Total number of children below 5 years old living in your household:** \_\_\_\_\_

Number of Girls: \_\_\_\_\_ Number of Boys: \_\_\_\_\_

**Q19. Number of household members by age**

Under 15 years old \_\_\_\_\_ Male \_\_\_\_\_ Female  
 15 - 30 years old \_\_\_\_\_ Male \_\_\_\_\_ Female  
 31 - 45 years old \_\_\_\_\_ Male \_\_\_\_\_ Female  
 46 - 60 years old \_\_\_\_\_ Male \_\_\_\_\_ Female  
 Over 60 years old \_\_\_\_\_ Male \_\_\_\_\_ Female

**Q20. Number of household members by civil status**

\_\_\_\_\_ Married  
 \_\_\_\_\_ Separated  
 \_\_\_\_\_ Divorced  
 \_\_\_\_\_ Widow or Widower  
 \_\_\_\_\_ Never Married

**Q21. Number of household members by highest education level**

\_\_\_\_\_ No schooling/did not attend formal education  
 \_\_\_\_\_ Primary school uncompleted  
 \_\_\_\_\_ Primary school completed  
 \_\_\_\_\_ Lower secondary uncompleted  
 \_\_\_\_\_ Lower secondary completed  
 \_\_\_\_\_ High school uncompleted  
 \_\_\_\_\_ High school completed  
 \_\_\_\_\_ Vocational course  
 \_\_\_\_\_ University/college uncompleted  
 \_\_\_\_\_ University/college completed

**Q22. Number of household members by employment status**

\_\_\_\_\_ Self-employed  
 \_\_\_\_\_ Full-time wage work/ permanent job  
 \_\_\_\_\_ Casual/ temporary/ part-time job  
 \_\_\_\_\_ Unpaid family work  
 \_\_\_\_\_ Seasonal worker (i.e. farmer or fisherman/fisherwoman)  
 \_\_\_\_\_ No job/ student

**Q23. Occupation of household members (multiple answers: 1: primary; 2: secondary; 0: no occupation)**

| Member | Farming | Fishing | Livestock breeding | Forest activities | Own business or trade enterprise | Casual work (e.g., farm labour, construction) | Wage/ salaried work in public sector | Wage/ salaried work in private sector | Student | None |
|--------|---------|---------|--------------------|-------------------|----------------------------------|---|--------------------------------------|---------------------------------------|---------|------|
| 1      |         |         |                    |                   |                                  |   |                                      |                                       |         |      |
| 2      |         |         |                    |                   |                                  |   |                                      |                                       |         |      |
| 3      |         |         |                    |                   |                                  |   |                                      |                                       |         |      |
| 4      |         |         |                    |                   |                                  |   |                                      |                                       |         |      |
| 5      |         |         |                    |                   |                                  |   |                                      |                                       |         |      |
| 6      |         |         |                    |                   |                                  |   |                                      |                                       |         |      |
| 7      |         |         |                    |                   |                                  |   |                                      |                                       |         |      |

**Q24. Is any family member from this household working and living abroad?**

- ☐ Yes ☐ No (skip to Q26)

**Q25. Does this person contribute to household income?**

- ☐ Yes ☐ No

**Q26. How many members contribute to your household income? \_\_\_\_\_ member(s)**

**Q27. How much is the total household annual income: \_\_\_\_\_ Riel**

Including: MAIN CATEGORIES ONLY; IF THEY ARE ABLE TO ESTIMATE

|   |                     |
|---|---------------------|
| Farming   | Riel _____ per year |
| Fishing   | Riel _____ per year |
| Livestock   | Riel _____ per year |
| Selling fruits/vegetables or other products                               | Riel _____ per year |
| Forest activities (charcoal making, collecting and selling firewood etc.) | Riel _____ per year |
| Own business or trade enterprise  | Riel _____ per year |
| Casual work (e.g., farm labour, construction)                             | Riel _____ per year |
| Wage/salaried work in public sector                                       | Riel _____ per year |
| Wage/salaried work in private sector                                      | Riel _____ per year |
| Other, specify: _____   | Riel _____ per year |

**Q28. Estimated annual expenditure of household? \_\_\_\_\_ Riel**

Including: MAIN CATEGORIES ONLY; IF THEY ARE ABLE TO ESTIMATE

|  |                     |
|--|---------------------|
| Food items (Basic food consumed)   | Riel _____ per year |
| Education (tuition fee, school supplies, uniform, school projects and other school fees)             | Riel _____ per year |
| Health (medicines purchased, hospitalization, medical check-up)                                      | Riel _____ per year |
| Lighting (electricity, re-chargeable batteries, etc.)  | Riel _____ per year |
| Water consumption (drinking and domestic use)  | Riel _____ per year |
| Cooking (fuel/firewood, charcoal, etc.)  | Riel _____ per year |
| Transportation for all household members (ex. fee for transportation services, gasoline costs, etc.) | Riel _____ per year |
| Communication (ex. mobile phones, internet services)   | Riel _____ per year |
| Recreation (ex. movies, puppet play, music, etc.)  | Riel _____ per year |
| Clothes for all household members  | Riel _____ per year |
| Rent for your house or residential space(s), if renting  | Riel _____ per year |
| Rent for the land for economic/productive activities, if renting                                     | Riel _____ per year |
| Household Items (i.e. bath soaps, toothpaste, laundry soap, etc.)                                    | Riel _____ per year |
| Repayment of loans, including interest   | Riel _____ per year |
| Contribution to the local temple   | Riel _____ per year |
| Other expenditures, specify: _____   | Riel _____ per year |



**Q29. Is your household expenditure stable all the year?**

- ☐ Yes  
☐ Almost all the year  
☐ No - Reason(s) for seasonal instability: \_\_\_\_\_

**Q30. How would you classify the situation of most of the households in your village?**

- ☐ Relatively well-off  
☐ Have just enough to live  
☐ Poor  
☐ Very poor

**Q31. Has the commune classified your household as**

- ☐ Poor with ID poor  
☐ Not classified as poor (proceed to Q33)

**Q32. Your household is poor due to (multiple answers):**

- ☐ Recent natural calamity, please specify: \_\_\_\_\_  
☐ Your or household member/s poor health or illness  
☐ Lack of labour force  
☐ Lack of productive land  
☐ Lack of money  
☐ Other, please specify: \_\_\_\_\_

**Q33. In the last 3 years, has your household suffered from food shortage?**

- ☐ 1-2 months ☐ No answer  
☐ 2-3 months ☐ No food shortage  
☐ Over 3 months

**C. HOUSEHOLD ASSETS****Q34. Type of land household is using**

| <i>Type of land</i>   | <i>Area (m<sup>2</sup>)</i> |
|---|-----------------------------|
| Residential land  |                             |
| Home or backyard garden                                     |                             |
| Rice land (irrigated)                                       |                             |
| Rice land (not irrigated)                                   |                             |
| Other agricultural land (irrigated)                         |                             |
| Other agricultural land (not irrigated)                     |                             |
| Land being rented out to another person                     |                             |
| Lot (with apartment/flat/space rented out for extra income) |                             |
| Pasture/grazing/forage (for livestock, etc.)                |                             |
| Aquaculture land (include pond surface)                     |                             |
| Forest/ shrub land  |                             |
| Other type of land – specify:                               |                             |

**Q35. Status of the ownership**

| <i>Type of land</i>                     | <i>Owned</i>             | <i>Rented</i>            | <i>Rented out</i>        |
|---|--------------------------|--------------------------|--------------------------|
| Residential land                        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Home or backyard garden                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rice land (irrigated)                   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rice land (not irrigated)               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other agricultural land (irrigated)     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other agricultural land (not irrigated) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Land being rented out to another person | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

|   |                          |                          |                          |
|---|--------------------------|--------------------------|--------------------------|
| Lot (with apartment/flat/space rented out for extra income) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Pasture/grazing/forage (for livestock, etc.)                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Aquaculture land (include pond surface)                     | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Forest land   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Other type of land – specify:                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**Q36. Do you have land titles or certificates for your land? (both soft and hard title)**

| <i>Type of land</i>   | <i>Yes</i>               | <i>No</i>                |
|---|--------------------------|--------------------------|
| Residential land  | <input type="checkbox"/> | <input type="checkbox"/> |
| Home or backyard garden                                     | <input type="checkbox"/> | <input type="checkbox"/> |
| Rice land (irrigated)                                       | <input type="checkbox"/> | <input type="checkbox"/> |
| Rice land (not irrigated)                                   | <input type="checkbox"/> | <input type="checkbox"/> |
| Other agricultural land (irrigated)                         | <input type="checkbox"/> | <input type="checkbox"/> |
| Other agricultural land (not irrigated)                     | <input type="checkbox"/> | <input type="checkbox"/> |
| Land being rented out to another person                     | <input type="checkbox"/> | <input type="checkbox"/> |
| Lot (with apartment/flat/space rented out for extra income) | <input type="checkbox"/> | <input type="checkbox"/> |
| Pasture/grazing/forage (for livestock, etc.)                | <input type="checkbox"/> | <input type="checkbox"/> |
| Aquaculture land (include pond surface)                     | <input type="checkbox"/> | <input type="checkbox"/> |
| Forest land   | <input type="checkbox"/> | <input type="checkbox"/> |
| Other type of land – specify:                               | <input type="checkbox"/> | <input type="checkbox"/> |

**Q37. Total yield every harvest period**

| <i>Type of land</i>   | <i>Total yield per harvest period (in tons/kilos)</i> |
|---|---|
| Home or backyard garden                                     |   |
| Rice land (irrigated)                                       |   |
| Rice land (not irrigated)                                   |   |
| Other agricultural land (irrigated)                         |   |
| Other agricultural land (not irrigated)                     |   |
| Land being rented out to another person                     |   |
| Lot (with apartment/flat/space rented out for extra income) |   |
| Aquaculture land  |   |
| Forest land   |   |
| Other type of land – specify:                               |   |

**Q38. Additional information on livestock and poultry**

(a) Which of the following livestock/animals the household raises (mark with X, and tell how many)

| <b>Animal</b> | <b>Quantity</b> | <b>Animal</b>        | <b>Quantity</b> |
|---------------|-----------------|----------------------|-----------------|
| Cows          |                 | Horse                |                 |
| Buffalos      |                 | Ducks                |                 |
| Pigs          |                 | Chicken              |                 |
| Goats         |                 | Other, specify _____ |                 |

(b) What do you do with the livestock/ animals?

- ☐ Domestic use as food for the family  
☐ For sale/additional source of income for the family  
☐ both consumption and for sale  
☐ Other - specify \_\_\_\_\_

**Q39. Additional information on fish ponds (if household has a fish pond)**

(a) Type or kind of fish cultured/raised? Specify: \_\_\_\_\_

(b) Size of pond in sq. meters: \_\_\_\_\_

(c) How often do you harvest/produce the fish (per year) and how many tons/kilos per harvest season?

Frequency of harvest/produced Fish: ☐ Once a year ☐ Twice a year

How much averagely each harvest period? \_\_\_\_\_ (Tons/kilos)

Estimated Income per harvest season (Riels): \_\_\_\_\_

**Q40. Household Appliances and Equipment**

|  | a) Item                           | b) Number/ Units in your household |
|--|-----------------------------------|------------------------------------|
| <b>Type of appliances</b>              |                                   |                                    |
| 1                                      | Television (white/black TV Set)   |                                    |
| 2                                      | Television (colour TV Set)        |                                    |
| 3                                      | Radio                             |                                    |
| 4                                      | Refrigerator                      |                                    |
| 5                                      | Electric fan                      |                                    |
| 6                                      | DVD                               |                                    |
| 7                                      | Computer/Printer                  |                                    |
| 8                                      | Mobile phone                      |                                    |
| 9                                      | Camera                            |                                    |
| 10                                     | Bicycle                           |                                    |
| 11                                     | Motorcycle                        |                                    |
| 12                                     | Other (specify):                  |                                    |
| <b>Type of equipment (for farming)</b> |                                   |                                    |
| 13                                     | Farm Tractor                      |                                    |
| 14                                     | Plow                              |                                    |
| 15                                     | Harrow                            |                                    |
| 16                                     | Thresher                          |                                    |
| 17                                     | Water pump                        |                                    |
| 18                                     | Rice milling machine              |                                    |
| 19                                     | Plow                              |                                    |
| 20                                     | Car                               |                                    |
| 21                                     | Truck                             |                                    |
| 22                                     | Ox/buffalo cart                   |                                    |
| 23                                     | Horse with cart                   |                                    |
| 24                                     | Motorcycle                        |                                    |
| 25                                     | Motor tricycle ("Tuk-Tuk")        |                                    |
| 26                                     | Van (for rent-out)                |                                    |
| 27                                     | Van (for family use)              |                                    |
| 28                                     | Motor fishing boat                |                                    |
| 29                                     | Fishing boat (without motor)      |                                    |
| 30                                     | Motor boat for transport services |                                    |
| 31                                     | Bicycle                           |                                    |
| 32                                     | Hand tractor                      |                                    |
| 33                                     | Other (specify):                  |                                    |

**D. HOUSING/ DOMESTIC STANDARD OF HOUSEHOLD**

**Q41. What kind of house does your household live in? Multiple answers**

- ☐ Permanent house with one or more floors
- ☐ Semi-permanent house (roof of bricks or tiles)
- ☐ Wooden/iron walls (corrugated iron roof / roofing cement)
- ☐ Simple house (corrugated wall / wood and roofing sheets)
- ☐ Temporary tent / no house

**Q42. Ownership of house**

- ☐ Owned
- ☐ Rented
- ☐ No rent (free)
- ☐ Illegal construction
- ☐ Other (specify): \_\_\_\_\_

**Q43. How many houses does your household own? \_\_\_\_\_**

**Q44. Kitchen type (Single)**



- ☐ Permanent (concrete/ fixed)
- ☐ Temporary (light material/ not fixed)
- ☐ Other (specify): \_\_\_\_\_

**Q45. Other structures within the house (Multiple)**

- ☐ Storage/ barn (concrete/ fixed)
- ☐ Cow/cattle shade
- ☐ Chicken house
- ☐ Other (specify): \_\_\_\_\_

**Q46. Source of domestic water (Multiple)**

- ☐ Rainwater
- ☐ Tradition/shallow well
- ☐ Deep-well
- ☐ Public tap
- ☐ Community well
- ☐ Buy water/truck delivery
- ☐ Pond/ lake/ canal/ river water
- ☐ Piped water
- ☐ Other: \_\_\_\_\_

**Q47. Type of toilet**

- ☐ No toilet facilities
- ☐ Communal/ Shared/ Public
- ☐ Fish pond latrine
- ☐ Pit latrine (Just plain pit, no water)
- ☐ Water sealed (with toilet bowl, with automatic flush)
- ☐ Closed pit (improved, with toilet bowl but no automatic flush)
- ☐ Other, specify \_\_\_\_\_

**Q48. Source of power**

**(a) for lighting (multiple)**

- ☐ Electricity (from national grid)
- ☐ Electric generator
- ☐ Gas/Kerosene
- ☐ Other, specify: \_\_\_\_\_
- ☐ Wood, coal
- ☐ Bio gas
- ☐ Not used

**(b) for cooking (Multiple)**

- ☐ Electricity(from national grid)
- ☐ Electric generator
- ☐ Gas/Kerosene
- ☐ Other, specify: \_\_\_\_\_
- ☐ Wood, coal
- ☐ Bio gas
- ☐ Not used

**E. ACCESS TO PUBLIC SERVICES**

**E1. ACCESS TO CREDIT FACILITIES AND SERVICES**

**Q49. Does your family have any outstanding loan?**

- ☐ Yes
- ☐ No (Proceed to Q53)

**Q50. How much do you have outstanding loan?**

\_\_\_\_\_ Riel

**Q51. Which source have you borrowed money from? (multiple)**

- ☐ Moneylender/Pawn broker
- ☐ Relative living in the village
- ☐ Relative living outside the village,
- ☐ Friend living in the village
- ☐ Friend living outside the village
- ☐ Micro credit facilities, please specify the name: \_\_\_\_\_
- ☐ Private bank, please specify the name: \_\_\_\_\_
- ☐ Government bank, please specify the name: \_\_\_\_\_
- ☐ Employer/Landlord
- ☐ NGO, please specify the name: \_\_\_\_\_
- ☐ Trader
- ☐ Rice miller
- ☐ Others source, specify: \_\_\_\_\_

**Q52. What did you borrow money for? (multiple)**

- ☐ Development of cultivation and animal husbandry
- ☐ Development of business activity
- ☐ Purchase of agricultural inputs (ex. seeds, fertilizer, pesticide)
- ☐ House building or repair
- ☐ Purchase of daily commodities
- ☐ Purchase of durable household items (ex. TV, bicycle, furniture)
- ☐ Purchase of motorized vehicle (ex. motorbike, truck, van)
- ☐ Investment in children's education
- ☐ Pay medical expenses
- ☐ Buy food for family consumption (when the HH has not enough food)
- ☐ Family or social event (ex. wedding, funeral, festival)
- ☐ Other, specify: \_\_\_\_\_

**Q53. Do you wish to borrow money in the near future?**

- ☐ Yes
- ☐ No (Proceed to Q55)

**Q54. How much do you wish to borrow? \_\_\_\_\_ Riel/ year****Q55. Do you intend to do any of the following to improve the economic status of your family? (multiple)**

- ☐ Continue to maintain its current economic activities
- ☐ Expand into manufacturing or trading
- ☐ Reduce investment and production activities / business
- ☐ Convert into production / business
- ☐ No intention
- ☐ Other (specify): \_\_\_\_\_

**E2. ACCESS TO MEDICAL/HEALTH FACILITIES****Q56. Type of health facilities available in/ around your commune/ village**

| <i>Facility</i>                        | <i>Public</i>            | <i>Private</i>           |
|--|--------------------------|--------------------------|
| Health centre                          | <input type="checkbox"/> | <input type="checkbox"/> |
| Hospital                               | <input type="checkbox"/> | <input type="checkbox"/> |
| Clinic                                 | <input type="checkbox"/> | <input type="checkbox"/> |
| Rehabilitation centre                  | <input type="checkbox"/> | <input type="checkbox"/> |
| Home office of private physician       | <input type="checkbox"/> | <input type="checkbox"/> |
| Home visit of trained health worker(s) | <input type="checkbox"/> | <input type="checkbox"/> |
| Pharmacy                               | <input type="checkbox"/> | <input type="checkbox"/> |
| Other (if any): _____                  | <input type="checkbox"/> | <input type="checkbox"/> |

**Q57. Distance to the nearest health facility?**

| <i>Facility</i>                        | <i>0-1km</i>             | <i>1-2km</i>             | <i>3-4km</i>             | <i>5-6km</i>             | <i>6-10km</i>            | <i>More than<br/>10 km</i> |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------------|
| Health centre                          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |
| Hospital                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |
| Clinic                                 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |
| Rehabilitation centre                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |
| Home office of private physician       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |
| Home visit of trained health worker(s) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |
| Pharmacy                               | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |
| Other (if any): _____                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>   |

**Q58. If you have to pay for the transportation, how much per round-trip (in average):**

\_\_\_\_\_

**Q59. Which of the following illnesses has affected any member of your household in the past 6 months? (multiple)**

(Check all that apply and mark the number)

|  | Adults<br>(Male) | Adults<br>(Female) | Children<br>(under 5 years) |
|--|------------------|--------------------|-----------------------------|
| Mild diarrhoea                                 | 1                | 1                  | 1                           |
| Severe diarrhoea (cannot go to work or school) | 2                | 2                  | 2                           |
| Eye disease                                    | 3                | 3                  | 3                           |
| Skin diseases                                  | 4                | 4                  | 4                           |
| Cold, cough, respiratory problem               | 5                | 5                  | 5                           |
| Headache/muscular pain/back pain               | 6                | 6                  | 6                           |
| Malaria or Dengue fever                        | 7                | 7                  | 7                           |
| Hypertension                                   | 8                | 8                  | 8                           |
| Other illness/disease, specify: _____          | 9                | 9                  | 9                           |

**E3. ACCESS TO EDUCATION****Q60. Number of school-attending household members: \_\_\_\_\_**

Including:

- a. Number of school-attending female members: \_\_\_\_\_
- b. Number of members attending primary school: \_\_\_\_\_
- c. Number of members attending secondary school: \_\_\_\_\_
- d. Number of members attending high school: \_\_\_\_\_
- e. Number of members attending vocational school: \_\_\_\_\_
- f. Number of members attending college/university: \_\_\_\_\_

**Q61. School in the village, commune or nearby**

| Schools                              | Yes | No | < 1 km | 1 to 2 km | 3 to 5 km | > 5 km |
|--------------------------------------|-----|----|--------|-----------|-----------|--------|
| <b>Primary</b>                       |     |    |        |           |           |        |
| <b>Secondary</b>                     |     |    |        |           |           |        |
| <b>High school</b>                   |     |    |        |           |           |        |
| <b>Vocational training</b>           |     |    |        |           |           |        |
| <b>higher education organization</b> |     |    |        |           |           |        |
|                                      |     |    |        |           |           |        |

**Q62. Has any child in your household dropped out of school?**

- ☐ Yes, Reason: \_\_\_\_\_
- ☐ No

**E4. ACCESS TO MARKETS IN/OUTSIDE THE VILLAGE****Q63. Which market do you/your HH member regularly visit? (multiple)**

- ☐ Within the village ☐ In the city/ provincial proper
- ☐ In adjacent village ☐ Phnom Penh
- ☐ In the district ☐ Other (specify): \_\_\_\_\_

**Q64. Why do you visit the market? Select three and rank them subject to your priority (1: most important reason; 2: moderate; 3: least important)**

- \_\_\_ To sell your products
- \_\_\_ To buy food and commodities for your household
- \_\_\_ To purchase commodities for your own business
- \_\_\_ To exchange information with others
- \_\_\_ To expand personal networks for more business opportunities
- \_\_\_ Other - Specify \_\_\_\_\_

**Q65.** If you have to pay for the transportation, how much per round-trip (in average): \_\_\_\_\_

#### **F. PARTICIPATION IN COMMUNITY ACTIVITIES AND ORGANIZATIONS IN THE VILLAGE**

**Q66.** Are you involved in any group activity in your village, including farmers' association, parents' group for school operation, women's association, and so on (other than village/community meetings)?

☐ Yes

☐ No (proceed to Q68)

**Q67.** What kind of group activity have you been involved in your village?

☐ Commune council

☐ Credit cooperative

☐ Farmers' organization

☐ Parents' association of your children's school

☐ Mothers'/Women's association

☐ Temple committee/ Religious group

☐ Group savings and loan association

☐ Other (Specify \_\_\_\_\_)

**Q68.** What are the three most common problems or concerns in your village? Please indicate the problem and rank

Rank 1: \_\_\_\_\_

Rank 2: \_\_\_\_\_

Rank 3: \_\_\_\_\_

**Q69.** What would you recommend to address the problems/ concerns? Indicate the response below by rank

Rank 1: \_\_\_\_\_

Rank 2: \_\_\_\_\_

Rank 3: \_\_\_\_\_

#### **H. CONSULTATION AND OPPORTUNITIES RELATED TO THE PROJECT**

**Q70.** How do you wish to get information about future project consultation meetings? (multiple)

☐ Through a notice or letter about the schedule and agenda of the meeting

☐ Through phone (SMS)

☐ Village leader

☐ Radio

☐ Other (specify): \_\_\_\_\_

**Q71.** What is your most preferred time to attend a project consultation meeting? (single)

☐ Morning

☐ Afternoon

☐ Evening

☐ Weekend (any time)

☐ Other (specify): \_\_\_\_\_

**Q72.** If there will be job opportunities during the transmission line construction/ maintenance, will you or any household member be willing to work in order to earn income? (single)

☐ Yes

☐ No

☐ Not sure

**Q73.** Do you have work experience in transmission line construction / maintenance work?

☐ Yes

☐ No



## II. INVENTORY OF HOUSEHOLD'S LOSSES DUE TO THE PROJECT

### A. SCOPE OF IMPACTS

#### Q74. Impacts on land

| Type of affected land        | Total landholding area (m <sup>2</sup> ) | Area of land acquisition (m <sup>2</sup> ) | Legal status <sup>1</sup> | Remarks |
|------------------------------|--|--|---------------------------|---------|
| 1. Residential land          |  |  |                           |         |
| 2. Paddy land                |  |  |                           |         |
| 3. Other annual crops land   |  |  |                           |         |
| 4. Fruit tree orchard        |  |  |                           |         |
| 5. Non-fruit tree plantation |  |  |                           |         |
| 6. Bamboo forest             |  |  |                           |         |
| 7. Degraded forest           |  |  |                           |         |
| 8. Scrubland                 |  |  |                           |         |
| 9. Aquaculture/pond/canal    |  |  |                           |         |
| 10. Vacant grassland         |  |  |                           |         |
| 11. Other:                   |  |  |                           |         |

#### Q75. Impacts on Trees

| Type of affected tree                 | Unit | Quantity | Note |
|---------------------------------------|------|----------|------|
| Fruit tree: Mango                     |      |          |      |
| Fruit tree: Orange                    |      |          |      |
| Fruit tree: Specify _____             |      |          |      |
| Cashew tree/ nut                      |      |          |      |
| Acacia                                |      |          |      |
| Eucalyptus                            |      |          |      |
| Palm tree                             |      |          |      |
| Bamboo                                |      |          |      |
| Other non-fruit tree, specify: _____  |      |          |      |
| Other wild fruit tree, specify: _____ |      |          |      |
| Other:                                |      |          |      |

#### Q76. Impacts on houses, main structures and secondary structures

##### (a) Impacts on houses and main structures

| Type of affected house   | Unit           | Affected area of house | Tenure of the affected structure <sup>2</sup> |
|--------------------------|----------------|------------------------|---|
| Temporary house          | m <sup>2</sup> |                        |   |
| House on stilts          | m <sup>2</sup> |                        |   |
| Single storey house      | m <sup>2</sup> |                        |   |
| Two – three storey house | m <sup>2</sup> |                        |   |
| Other:                   | m <sup>2</sup> |                        |   |

##### (b) If the affected house/main structure does not belong to the affected person/HH

| A. Name of owner of affected main structure                         | Address of owner of affected main structure                           | Paying Rent? |    | If Paying Rent, how much is monthly rent? (in Riel) |
|---|---|--------------|----|---|
|   |   | Yes          | No |   |
|   |   |              |    |   |
| B. Does the affected tenant/renter own a house/structure elsewhere? | Yes <input type="checkbox"/> Location:<br>No <input type="checkbox"/> |              |    |   |

(c) If the structure is *partially* affected, how much time it would take to repair the affected portion to continue using it the same way as now: ..... (months)

(d) If the structure is *totally* affected, does the household have another place to move to?

1. Within the own village ☐      2. Move to a place that the household has bought ☐

<sup>1</sup> Code of legal status: 1- Have LUC/legal documents; 2- Rented land - public owner; 3-Rented from another household; 4- No legal right

<sup>2</sup> Code of Tenure: 1. Owner; 2. Tenant; 3. Occupying with permission of owner; 4. Other (specify)

3. Have no other place to move to ☐ 4. Other: .....

**Q77. Impacts on secondary or public structures**

| Type of affected secondary structures | Unit           | Number | No of Affected | Notes |
|---------------------------------------|----------------|--------|----------------|-------|
| Fence                                 | m <sup>2</sup> |        |                |       |
| Toilet                                | m <sup>2</sup> |        |                |       |
| Yard                                  | m <sup>2</sup> |        |                |       |
| Well                                  | pcs            |        |                |       |
| Pond                                  | m <sup>2</sup> |        |                |       |
| Canal (length)                        | m              |        |                |       |
| Road (length)                         | m              |        |                |       |
| Other:                                |                |        |                |       |

**Q78. Impacts on Business/ Production (if relevant)**

**Q79. Does the proposed transmission line impact your business?**

☐ Yes ☐ No (skip to Q84)

**Q80. What type of the business?**

☐ Grocery shop ☐ Repair shop ☐ Workshop ☐ Others: \_\_\_\_\_

**Q81. Details of the impacts on business**

|   | HH operating business directly in the affected house/land   | HH leasing the affected house/land for business  | HH renting the affected house/land for business  |
|---|---|--|--|
| Total affected area (m <sup>2</sup> )   |   |  |  |
| Average net-monthly income (Riel) from the affected business                  |   |  |  |
| Duration of disruption in business operation                                  | <ul style="list-style-type: none"> <li>• Temporary: .....(Months)</li> <li>• Permanent [ ]</li> </ul>   | <ul style="list-style-type: none"> <li>• Temporary: .....(Months)</li> <li>• Permanent [ ]</li> </ul>  | <ul style="list-style-type: none"> <li>• Temporary: .....(Months)</li> <li>• Permanent [ ]</li> </ul>  |
| Business registration (Yes/No)  |   |  |  |
| Number of hired labourers with job affected due to land acquisition (persons) | <ul style="list-style-type: none"> <li>• Number of labourers: ..... of which: Male.....Female.....</li> <li>• Period of impact: .... (Months)</li> <li>• How many Riel/day a labourer is paid: .....</li> </ul> | <ul style="list-style-type: none"> <li>• Number of labourers: ..... of which: Male.....Female.....</li> <li>• Period of impact: ....(Months)</li> <li>• How many Riel/day a labourer is paid: .....</li> </ul> | <ul style="list-style-type: none"> <li>• Number of labourers: ..... of which: Male.....Female.....</li> <li>• Period of impact: ....(Months)</li> <li>• How many Riel/day a labourer is paid: .....</li> </ul> |

**Q82. Is the affected business the main source of income of the household? Yes ☐ No ☐**

If "No", what is the main source of income of the household? Specify .....

**Q83. If the affected business structure is a stand-alone structure (shop/ kiosk, etc.) and is permanently affected, does the business owner have another place to move to?**

1. Within the own village ☐
2. Move to a place that the household has bought ☐
3. Have no other place to move to ☐
4. Other: .....

### III. ADDITIONAL CONCERNS ABOUT THE PROJECT

**Q84. Do you agree to implementation of the transmission line project?**

☐ Yes

☐ No Please explain why: \_\_\_\_\_

**Q85. Have you any additional recommendations for the project?**

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**Thank you for your cooperation!**

## Draft Land Acquisition and Resettlement Plan

### ANNEX D: INFORMATION DISCLOSURE, CONSULTATION AND PARTICIPATION

#### 1. Agenda for public consultations

#### Odongk–Thpong Transmission Line Project Preparation Outline for the first Public Consultations in May 2018

- This table is applied to public consultations at district and village level
- Two national TA consultants will lead the sessions on their respective topics, social and environmental, and together answer questions in the final session
- Two assistants will assist with participant registration, take notes of the discussions and verify the meetings with photos

| Session/ Time<br>am | Description  | Responsibility  |
|---------------------|--|---|
| 30 min              | Registration   | Assistants  |
| Session 1<br>30 min | <b>Description of the project</b> <ul style="list-style-type: none"> <li>• Purpose and location of the project (Maps on the wall)</li> <li>• Planned timeline</li> <li>• Funding requested from ADB</li> <li>• Purpose of the feasibility study in project preparation<br/>ADB requirements of information and meaningful consultations with affected people in project planning and throughout the project time</li> <li>• Public Information leaflet of the project - will then be updated with relevant information in the detail design phase</li> <li>• ADB safeguard requirements of early identification of the social and environmental impacts and mitigation measures; identification of the affected people, their basic socio-economic conditions, and Inventory of Loss survey</li> </ul>   | National TA Social consultant;<br><br>Assistants to take notes and photos |
| Session 2<br>35 min | <b>Anticipated impacts and mitigation measures of the project – social issues</b> <ul style="list-style-type: none"> <li>• Transmission line alignment has been planned to have a minimum of impacts on houses, structures – impacts mainly on land and crops, trees</li> <li>• Explaining the land needed for the transmission line tower poles, explaining the ROW and buffer zone</li> <li>• Explaining the temporary impacts and land needed during construction</li> <li>• Preliminary identified impacts:                             <ul style="list-style-type: none"> <li>○ tower footprints: paddy land, other types of land and crops, trees - and compensation explained</li> <li>○ ROW impacts: land and crops, trees, houses, structures – and compensation explained</li> <li>○ buffer zone</li> </ul> </li> <li>• Identified losses will be confirmed during the detail</li> </ul> | National TA Social consultant;<br><br>Assistants to take notes and photos |

| Session/ Time<br>am | Description   | Responsibility   |
|---------------------|---|--|
|                     | design <ul style="list-style-type: none"> <li>• Compensation procedures</li> <li>• Some local job opportunities in project construction</li> <li>• Right to complain, grievance redress mechanism will be put on place during compensation implementation – more information during detail design phase</li> </ul>  |  |
| Session 3<br>30 min | <b>Anticipated impacts and mitigation measures of the project – environment issues</b> <ul style="list-style-type: none"> <li>• Anticipated project impacts on the environment and Environmental Management Plan to mitigate negative impacts</li> <li>• Current Environmental issues for the feasibility study: flooding, soil quality, erosion, air quality, water bodies, if any, along the ROW, biodiversity, vegetation clearing</li> <li>• Community health and safety issues during construction and operation</li> <li>• Preservation of livelihoods; access to land, forest, animal grazing lands</li> </ul> | National TA environment consultant;<br>Assistants to take notes and photos               |
| Session 4<br>30 min | <b>Questions and Answers – social and environment</b>   | National TA Social and environmental consultants;<br>Assistants to take notes and photos |

## 2. Project Information leaflet (in English, distributed to stakeholders in Khmer)

### Odongk–Thpong Power Transmission Line Planning Study Information about the Project

Electricite du Cambodge (EDC) is the national electricity infrastructure provider in Cambodia. In its effort to improve electricity access in the country, EDC is now planning a power transmission line in Kampong Speu Province from Thpong District to the Grid Substation 6 (GS6) located in Odongk District. Construction of this transmission line will affect areas in your district and commune, and areas near several villages.

| District | Commune      | Village   |
|----------|--------------|---|
| Thpong   | Prambei Mum  | Trapeang Traeunh<br>Trapeang Traok<br>Tranh Veaeng<br>Prey Veaeng |
|          |              | Rung Roeang<br>Krang Ta Char                                      |
| Odongk   | Mean Chey    | Sdok<br>Trapeang Chambak  |
|          | Chan Saen    | Krang Tumnob  |
|          | Trach Tong   | Trapeang Kdol<br>Trapeang Lpeak                                   |
|          | Khsem Khsant | Trach Tong<br>Prey Ta Chey  |

#### LOCATION

The length of the planned part of the transmission line will be about 37km. It will run through areas in the four communes of Khsem Khsant, Trach Tong, Chan Saen and Mean Chey in Odongk District, and the two communes of Rung Roeang and Prambei Mum in Thpong District. The planned alignment of the transmission line can be seen in the Map in this information leaflet.

#### CONSTRUCTION TIME

Construction of transmission line will tentatively start during the 2<sup>nd</sup> quarter of 2019 and take totally about two years. EDC will supervise and monitor the construction that will be undertaken by private contractors and suppliers to EDC.

#### IMPACTS OF THE TRANSMISSION LINE

The Table in this leaflet shows the communes and the villages identified to be located nearest the planned transmission line alignment. The route of the transmission line has been planned to avoid impacts on houses, irrigation canals, ponds, and other structures, so mainly land, crops and trees only will be affected.



Figure 1: Transmission line

The transmission line will have power towers at an interval of 300m from each other, totally approx. 126 towers. Every power tower foot will require an area of 15x15m (225m<sup>2</sup>), so totally approx. 3ha of land will be required. EDC will permanently purchase these land plots for the power tower poles at the full land value from the land owners.



The transmission line will have a 15m wide so-called Right-of-Way (ROW), 7.5m on each side of the mid-line of the alignment. No structures or trees higher than 3m will be allowed within this zone. Land owners will be compensated upon a value to be agreed upon during the land acquisition negotiations. Productive trees within the ROW growing higher than 3m that need to be pruned or cut down will be compensated at their full value to the owners, based on the identified type and calculated number of trees. The total area within the ROW will be approx. 56 ha (37km x 15m).

A 400m wide buffer zone, 200m on each side of the transmission line mid-line will be a special area with impacts mainly during the transmission line construction.

## CONSTRUCTION PHASE IMPACTS

During the construction of the transmission line, there may be temporary impacts such as increased noise and dust levels, vibration, traffic congestion, power cuts, disrupted or reduced access to agricultural lands, loss of vegetation and trees, and crop damage, as well as construction of temporary access roads for erection of power towers. When power towers are being erected and conductors being stringed it may be not safe to go too close to the construction site, since these are electrical works. In order to reduce such risks and avoid negative impacts, an *Environmental Management Plan* has been prepared, which all project construction contractors have to apply.



Figure 2: Tower Pole Area

During the transmission line construction, additional land may be needed on a short-term basis for temporary construction access roads and for construction material storage and work place, and for workers' camps.

There will be some work opportunities available for local unskilled workers in the transmission line construction.

## SAFEGUARD POLICY OF ADB

The Government of Cambodia has requested assistance from the Asian Development Bank (ADB) for funding the transmission line project through a concessional loan. According to ADB Safeguard Policy, information about an ADB-supported project has to be provided to the people who are expected to be affected by the project construction and operation, and they have to be consulted early during the project planning. According to ADB Safeguard Policy, negative impacts on people and the environment have to be avoided to the greatest extent possible, and when not possible to avoid, the negative impacts have to be properly mitigated in a way that the affected people find appropriate and satisfactory.

All the impacts of the project and all the losses due to the project affecting people who are living and working in the project areas have to be assessed during the project planning phase. The persons to be affected by the project through loss of land, crops, trees, houses, other structures or assets will be compensated in an appropriate way.

According to ADB Safeguard policy, if affected people are not satisfied with the compensation received, or if any people in the project area experience serious impacts from a project, they have a right to complain and have their case properly tested. There will be a Grievance Redress Mechanism put in place during the project planning, and people in the project areas will be informed of the complaint procedures.

## **CONSULTATIONS WITH PEOPLE IN THE PROJECT AREAS**

Consultants for ADB who are working with planning of the project are now undertaking consultations in the planned transmission line project areas. First there will be a district level public consultation meeting, inviting commune and village leaders from the areas identified to be impacted by the transmission line. After the district level meeting, village level public consultations are arranged and all the people to be affected by the project are invited to participate in their own village or in the neighbouring village.

In these public consultations the transmission line project is introduced, and its potential social and environmental impacts explained. Participants are welcome to ask questions, get clarifications and express their views and concerns regarding the project.

After each village-level public consultation, one Focus Group Discussion is arranged with men and another with women. The purpose of these meetings is for the consultants to get information from the villagers on some local social and environmental issues and to discuss potential project impacts and needed mitigation measures with the villagers.

## **IDENTIFICATION OF THE AFFECTED PERSONS AND LOSSES**

With assistance from commune and village leaders and with villagers the consultant will identify land owners of the land plots that will be needed for the power tower poles. This identification is preliminary, and may be changed when the detailed measurement survey for planning of the final transmission line alignment will be undertaken by EDC later this year. Cutting non-fruit and fruit trees before the detail study of the project is not recommended.

During the current planning phase, the consultant team will undertake a survey with those households that are identified to lose land, crops and trees due to the project. The purpose of the survey is to assess the socio-economic situation of these households and make an inventory of the expected losses due to the project. Land to be lost for the power tower poles construction will be identified and the trees and structures higher than 3m within the ROW will be counted and listed. This survey is important for planning the compensation and mitigation measures that will be provided by EDC to the affected households.

## **FURTHER INFORMATION AND PROJECT DEVELOPMENT**

The transmission line alignment will be planned in detail later this year when the exact location of each power tower pole and the detailed impacts will be confirmed. At that time, there will be further consultations with all the people to be affected by the project. There will be further

information of the land acquisition procedures, compensation negotiations and the rights of the affected people for appropriate compensation, and of the grievance redress mechanism that will ensure the rights of the affected people.

#### **PROJECT CONTACT INFORMATION**

Social, Environment and Public Relation Office, EDC

**Tel: 023 723 971**

### 3. Guide Questionnaire for FGDs with women

#### Odongk–Thpong Transmission Line Project LARP and IEE Preparation

#### GUIDE QUESTIONNAIRE FOR FOCUS GROUP DISCUSSION (FGD) WITH WOMEN IN AFFECTED VILLAGES

**Purpose of the FGD:** To gather information for preparation of the LARP and the IEE, of people's first perception of the proposed project, and to provide an opportunity for the affected people to discuss how the project will affect on their lives, livelihoods and environment, and what concerns/worries and suggestions people may have with regard to the project.

Name of Village(s) participants are from: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

Location of the FGD (village name): \_\_\_\_\_

Number of participants: \_\_\_\_\_

Date FGD was conducted: May/June \_\_\_\_, 2018 Time started: \_\_\_\_\_ Time ended: \_\_\_\_\_

FGD Facilitator and Note taker: \_\_\_\_\_

*Enclose the list of participants*

#### I. SOCIAL ISSUES

##### A. Village profile, poverty and ethnicity

1. How long time has your village(s) been located here and how long time have most of you lived in your village?

\_\_\_\_\_

2. Are there people from different ethnic groups in your village(s)? Which ones and approx. how many people/households of different ethnic groups (proportions)?

\_\_\_\_\_

3. Are there many poor households in your village(s)? Yes/No, Approximate proportions

\_\_\_\_\_

4. What are the main reasons that these households are poor? (what kind of households, e.g. family with many children, single woman with dependants, old person without relatives in the village, household with sick/handicapped family members, landless households, unemployed, etc.)

\_\_\_\_\_

##### B. Livelihoods

1. What are the most important livelihoods in your village in terms of how many households they support? (e.g. farming, fishing, forestry, plantation labour, industrial labour, construction labour, private business, etc.)

Main livelihoods: \_\_\_\_\_

Second most important livelihoods: \_\_\_\_\_

Other livelihoods: \_\_\_\_\_

2. What are the most common crops (rice, vegetables, fruit trees, non-fruit trees, etc.) and how important are they for household economy? When are they harvested (month)?

Most important crops: \_\_\_\_\_

- Harvesting time in \_\_\_\_\_

Mid-important crops: \_\_\_\_\_

- Harvesting time in \_\_\_\_\_

Least important/additional crops: \_\_\_\_\_

- Harvesting time in \_\_\_\_\_

3. (a) Which crops are cultivated for selling? \_\_\_\_\_

(b) Do many households have crops for selling /importance of selling crops for HH livelihoods?

4. Where are the areas used for livelihoods activities, such as land for crops and trees and water ponds for raising fish located? (*related to village and related to the planned transmission line*)

5. What kind of problems do people in your village have related to their livelihoods? (e.g. poor soil, lack of irrigation, lack of pesticides, lack of money, unemployment)

6. What additional income sources do **women** have, apart from farming?

### C. Cultural heritage

1. Where are the culturally / spiritually important places/structures for your villagers located? Is there any culturally important place or structure near the planned transmission line? *Record the locations, especially related to the transmission line.*

### D. Impacts of the transmission line project

1. When you hear about the planned transmission line project, how do you think it will affect your village (*explain the location of the transmission line*)?

2. Have you previously experienced any transmission line construction project?

Yes \_\_\_\_ Explain: \_\_\_\_\_

No \_\_\_\_

3. (a) What benefits /positive impacts do you expect your village to have from the project?

(b) Are there some benefits /positive impacts you expect **women** to have from the project?

4. What kind of concerns do you have concerning the transmission line (1) location, (2) construction and (3) impacts?

5. Would you like to suggest to the project planners some measures to mitigate negative social impacts of the project?

#### 4. Guide Questionnaire for FGDs with men

##### Odongk–Thpong Transmission Line Project LARP and IEE Preparation

##### GUIDE QUESTIONNAIRE FOR FOCUS GROUP DISCUSSION (FGD) WITH MEN IN AFFECTED VILLAGES

**Purpose of the FGD:** To gather information for preparation of the LARP and the IEE, of people's first perception of the proposed project, and to provide an opportunity for the affected people to discuss how the project will affect on their lives, livelihoods and environment, and what concerns/worries and suggestions people may have with regard to the project.

Name of Village(s) participants are from: 1. \_\_\_\_\_ 2. \_\_\_\_\_ 3. \_\_\_\_\_

Location of the FGD (village name): \_\_\_\_\_

Number of participants: \_\_\_\_\_

Date FGD was conducted: May/June \_\_\_\_, 2018 Time started: \_\_\_\_\_ Time ended: \_\_\_\_\_

FGD Facilitator and Note taker names: \_\_\_\_\_

*Enclose the list of participants*

#### I. SOCIAL ISSUES

##### A. Village profile, poverty and ethnicity

1. How long time has your village(s) been located here and how long time have most of you lived in your village?

\_\_\_\_\_

2. Are there people from different ethnic groups in your village(s)? Which ones and approx. how many people/households of different ethnic groups (proportions)?

\_\_\_\_\_

3. Are there many poor households in your village(s)? Yes/No, Approximate proportions

\_\_\_\_\_

4. What are the main reasons that these households are poor? (what kind of households, e.g. family with many children, single woman with dependants, old person without relatives in the village, household with sick/handicapped family members, landless households, unemployed, etc.)

\_\_\_\_\_

##### B. Livelihoods

1. What are the most important livelihoods in your village in terms of how many households they support? (e.g. farming, fishing, forestry, plantation labour, industrial labour, construction labour, private business, etc.)

Main livelihoods: \_\_\_\_\_

Second most important livelihoods: \_\_\_\_\_

Other livelihoods: \_\_\_\_\_

2. What are the most common crops (rice, vegetables, fruit trees, non-fruit trees, etc.) and how important are they for household economy? When are they harvested (month)?

Most important crops: \_\_\_\_\_



- Harvesting time in \_\_\_\_\_

Mid-important crops: \_\_\_\_\_

- Harvesting time in \_\_\_\_\_

Least important/additional crops: \_\_\_\_\_

- Harvesting time in \_\_\_\_\_

3. (a) Which crops are cultivated for selling? \_\_\_\_\_

(b) Do many households have crops for selling /importance of selling crops for HH livelihoods?

4. Where are the areas used for livelihoods activities, such as land for crops and trees and water ponds for raising fish located? *(related to village and related to the planned transmission line)*

5. What kind of problems do people in your village have related to their livelihoods? (e.g. poor soil, lack of irrigation, lack of pesticides, lack of money, unemployment)

6. What additional income sources do **men** have, apart from farming?

### C. Cultural heritage

1. Where are the culturally / spiritually important places/structures for your villagers located? Is there any culturally important place or structure near the planned transmission line? *Record the locations, especially related to the transmission line*

### D. Impacts of the transmission line project

1. When you hear about the planned transmission line project, how do you think it will affect your village *(explain the location of the transmission line)*?

2. Have you previously experienced any transmission line construction project?

Yes \_\_\_\_ Explain: \_\_\_\_\_

No \_\_\_\_

3. What benefits /positive impacts do you expect your village to have from the project?

4. What kind of concerns do you have concerning the transmission line (1) location, (2) construction and (3) impacts?

5. Would you like to suggest to the project planners some measures to mitigate negative social impacts of the project?

**5. Picture report from consultations**

Enclosed as a separate file due to the size

**6. Attendance sheets with participant signatures**

Enclosed as a separate pdf file due to the size

## Draft Land Acquisition and Resettlement Plan

### ANNEX D5: Photos of Public consultations and Focus Group Discussions 25-31 May 2018

#### 1 District consultation: Thpong district 25 May 2018





2 Village consultation: Krang Tachor 25 May 2018



3 Focus group discussions: Krang Tachor 25 May 2018



4 Village consultation: Trapeang Troack and Tranch Veang 28 May 2018





5 Focus group discussions: Trapeang Troack and Tranch Veang 28 May 2018



6 Village consultation: Prey Veng and Trapeang Troeunh 28 May 2018



7 Focus group discussions: Prey Veng and Trapeang Troeunh 28 May 2018





8 District consultation: Odongk, 29 May 2018



9 Village consultation: Krang Tomnob 29 May 2018





10 Focus group discussions: Krang Tomnob 29 May 2018



11 Village consultation: Sdok and Trapeang Chambak 30 May 2018



12 Focus group discussions: Sdok and Trapeang Chambak 30 May 2018





13 Public consultation: Trapeang Kdol and Lpeak 30 May 2018



14 Focus group discussions: Trapeang Kdol and Lpeak 30 May 2018



15 Village consultation: Trachtong and Prey Tachey\_31 May 2018



16 Focus group discussions: Trachtong and Prey Tachey 31 May 2018

