

Account No. ....



Full confidentiality will be maintained regarding the information gathered in this survey.  
The information will be used only in research.

## SURVEY OF LIGHTING SYSTEMS IN RURAL HOUSEHOLD OF BANGLADESH

Implementing Agency

Consultant (Contractor)

*Deutsche Gesellschaft für Technische Zusammenarbeit (gtz)*

*Atlanta Enterprise Ltd.*

### QUESTIONNAIRE

Name of Respondent	
Address	Village:  Thana / Upozilla:  District:  Telephone / Mobile Phone No:
Name of PBS	
Date of Interview	

\_\_\_\_\_  
Signature of Respondent (if possible)

\_\_\_\_\_  
Signature of Surveyor:

\_\_\_\_\_  
Signature of Supervisor

**Note:** Household means all houses found under one electric meter

**FORM - A**

**Socio-Economic Information**

1. Profession of the respondent (Put  $\checkmark$  as appropriate):  
a) Housewife b) Farmer c) Businessman d) Govt. Service e) Private Service f) Others.
2. Type of Household (Put  $\checkmark$  as appropriate):  
a) Pucca b) Semi Pucca c) Tin Shed d) Katcha
3. Number of houses under one electric meter .....
4. Number of family members .....
5. Monthly family income, Tk .....

**FORM - B**

**Information regarding household knowledge  
and attitude towards energy efficient lights**

- |   |     |    |
|---|-----|----|
| 6. Are you familiar with energy efficient bulbs (CFLs)?   | Yes | No |
| 7. Do you know that CFLs provide warranty for 1 year?   | Yes | No |
| 8. Are you aware that CFLs save electricity?  | Yes | No |
| 9. Are you ready to use CFLs, if it reduces your electricity bill?  | Yes | No |
| 10. Do you know that the prices of CFLs, are more than the ordinary bulbs (ILs)?  | Yes | No |
| 11. Are you willing to pay more for the CFLs?   | Yes | No |
| 12. If yes, at what price per piece? (Put $\checkmark$ as appropriate):<br><u>Tk.300.00</u> <u>Tk.250.00</u> <u>Tk.200.00</u> <u>Tk.150.00</u> <u>Tk.100.00</u> |     |    |
| 13. If yes, do you want to replace all the ILs with CFLs  | Yes | No |
| 14. What amount (Total) you want to spend for replacing all the ILs? Tk.....  |     |    |

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**FORM-C**  
**Information Regarding Light Fixtures**

15. Number of lights in the household.

Type	Rating (Watt)	Sitting Room		Room-1		Room-2		Room-3		Room-4		Kitchen		Toilet	
		Qty (Nos.)	Av. daily use (Hours)	Qty (Nos.)	Av. daily use (Hours)										
Incandescent lamp (IL)	25														
	40														
	60														
	100														
Fluorescent tube lamp (FTL) with <b>Magnetic</b> Ballast.	20														
	40														
Fluorescent tube lamp (FTL) with <b>Electronic</b> Ballast.	20														
	40														
Compact Fluorescent lamp (CFL)	7														
	8														
	9														
	11														
	13														
	15														
	23														

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**FORM – D**

**Information Regarding Other Electrical Appliances**

16. Number of other appliances in the household

Type	Rating (Watt)	Quantity (Nos.)	Average Daily use (Hours)
Ceiling Fan 56"	75		
Ceiling Fan 48"	60		
Television - Black & White 14"	80		
Television - Black & White 21"	90		
Television - Colour 14"	100		
Television - Colour 21"	120		
Refrigerator	80		
	120		
Iron	750		
	1000		
Water Pump	746		

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**FORM - E**  
**Rural Household Electric Energy Use**

17. Electrical Bill for last one year (2008).

a) Sanctioned Load ..... kW

b) Monthly Electrical Bill

Month /year	kWh Billed	Amount Billed (Tk)	Tk./kWh
January, 2008			
February, 2008			
March, 2008			
April, 2008			
May, 2008			
June, 2008			
July, 2008			
August, 2008			
September, 2008			
October, 2008			
November, 2008			
December, 2008			
Annual			

**Note: Collect copies of monthly bills as sample, if possible**

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**FORM - F**  
**Information Regarding Load Shedding**

18. Average Daily load shedding
- a) Winter Time ..... Hrs.
  - b) Summer Time ..... Hrs.
19. Alternative source of energy used during load shedding (Put  $\checkmark$  as appropriate):
- a) Hurricane   b) Oil Lamp   c) Candle   d) Rechargeable Light   e) Torch Light   f) IPS
  - g) Generator   h) Nothing.
20. Hours of Power Failure during Last year (2008)

Month /year	Total hours of power failure
January, 2008	
February, 2008	
March, 2008	
April, 2008	
May, 2008	
June, 2008	
July, 2008	
August, 2008	
September, 2008	
October, 2008	
November, 2008	
December, 2008	

**Note: Sl. No. 20 to be collected from PBS offices**