

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 ✓ as appropriate):
a) Housewife b) Farmer c) Businessman d) Govt. Service e) Private Service f) Others.
2. Type of Household (Put ✓ 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 ✓ as appropriate): | | |
| <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)	Qty (Nos.)	Av. daily use (Hours)	Qty (Nos.)	Av. daily use (Hours)	Qty (Nos.)	Av. daily use (Hours)	Qty (Nos.)	Av. daily use (Hours)	Qty (Nos.)	Av. daily use (Hours)
Incandescent lamp (IL)	25														
	40														
	60														
	100														
Fluorescent tube lamp (FTL) with Magnetic Ballast.	20														
	40														
Fluorescent tube lamp (FTL) with Electronic 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 $\sqrt{\quad}$ 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