Pakistan Institute of Development Economics Islamabad, Pakistan



Department of Environmental Economics,

Title of the study: Electricity as an Alternative to Fuel Wood and Its Impact on Deforestation

Date:	Village:

Name of enumerator:

Disclaimer

This Survey is being conducted for Academic purpose only. No Personal Information, whatsoever, will be used or shared with anyone in anyway other than the purpose mentioned above. Your cooperation is highly valuable for successful completion of this study. This information and identity of respondent will be kept confidential.

Background Information

Names of the family members	Age	Gender	Education	Occupation	Monthly
					income
	Names of the family members	Names of the family members Age	Names of the family members Age Gender	Names of the family members Age Gender Education	Names of the family members Age Gender Education Occupation

Information about land

S. no	Area under cultivation	Area under forests	Barren lands	Total area

Reasons for barren lands:

1. Main sources	s of energy us	ed for cooking	g and hea	ating:			
1.		2.		3.			
2. Is the energy	bought or is	itself produced	d/collecto	ed? ()
If it is bought th	nen how mucl	h in a year? (I	n Munds	s/kg) ———			
		• • • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • • •	
3. Do you use f	irewood?	□ Yes	□ No				
If you do, for							
what?							
4. How often you	ı collect firewo	ood ?					
☐ Once per weetimes			□ Thr	ee times per we	eek	☐ More than	three
5. How often v	vas the firewo	ood collected 3	30 years	ago?	•••••		·••
6. How much t	ime does one	firewood coll	ection tr	ip require?			
7. How much ti	me the trip re	equired 30 year	rs ago (n	nore, less)			• • • •
8. How much the	e collected fire	wood weighs? .					
9. Collected firev ☐ Own farm	wood comes fro ☐ Open land		est/ bush	☐ Other sour	ces (speci	fy)
10. Who is the	main firewoo	d collector?					
□ Women	Girls	□ Women &	girls	\square Boys	□ Men	□ Boys &	men
☐ All the famil	y members						
11. What do you	think about yo	our land under f	orests?				
☐ increased	□ dec	reased					

	•			
		nestic consumption?		
☐ Easy access	☐ Cheap so	urce Traditional	al cause	☐ No other source available
☐ Others (speci	fy)		
13. What is the	expenditure on wo	od for domestic use? (p	per month	1)
	•••••			
14. If your energ	gy expense is high,	, what are the reasons?		
□ Over consum	ption of energy	\square High fuel cost	□ Hig	th electricity cost
☐ High firewoo	od cost	☐ Other reason (spe	ecify)
15. Are you awa	are of alternative so	ources of energy?		
□ Yes	□ No			
<u>-</u>	at to replace the exi ☐ No	sting energy resources	with alte	rnative energy resources?
If yes, what you	ı prefer		•••••	?
And why				?
17. Do you farm	n tree species? Yes	s □ no □]	
18. If you do, ar	re any of those for	firewood? Yes □		no 🗆
19. If you farm	trees for firewood,	which are the species t	that you f	farm?

20. Is there a shortage of firewood?	Yes □	no 🗆	
If there is, how have you noticed it?			
21. Have you tried to prevent the shorta	age of firewood some	how? Yes □	no 🗆
If you have, how?			
22. Have you had to made changes in y	our everyday life bec	cause of the shortage of	of firewood?
Yes □ no □			
If you have made, what kind?			
23. Do you have/or have you tried any	energy saving system	as (eg. energy saving	stoves)?
Yes \Box no \Box			
If you do/have, which one(s)?			
24. Would you be interested in using en	nergy saving systems	? Yes □	no 🗆
If yes then what is preventing you from	n doing so?		
ELECTRICITY			
25. How much units of electricity do yo	ou consume per mont	h?	
In summers			
Maximum	Minimum		
In winters			
Maximum	Minimum		

26. How much money do you pay for electricity per months? Write in total Rs.					
In summers					
Maximum	Min	imum			
In winters					
Maximum	Min	imum			
27. How much money	was paid 30 years a	go as an electricity bill?)		
28. When did you star	rt using electricity? (year)			
29. Electric appliance	s used by the househ	old			
□ Iron □ Bulb	os 🗆 Oven	□ Washing machine	□ T.V		
□ Any sort of heater	□ Fridge/ de	ep freezer Fan			
□ Water heating rod	□ Others				
30. Do you use electri	icity for cooking mea	ls? Yes □	no 🗆		
If yes then in what sea	ason, why and for ho	w many hours?			
□ In summer	□ In winter	□ Both in summer an	d winter		
31. Do you use electri	icity for heating roon	ns in winters? Yes	no 🗆		
If yes then for how m	any hours a day?				
□ One hrs	□ Two hrs	☐ Three hrs	□ Four hrs or more		
32. How you think about your electricity expenses for HH energy?					
☐ Very expensive	□ Expensive	e □ Fair			
□ Cheap	☐ I do not pa	ay for electricity			
33. What do you thinl	k about electricity pri	ces?			
☐ High☐ Low☐ Satisfactory					

34. Are you satisfied with the electricity provider?	$Yes\; \Box$	no 🗆	
If no then why			
35. Is load shedding going on? Yes □	no 🗆		
If yes then what is the duration of load shedding?			
36. Would you like to substitute electricity for fire	wood? Yes □	no 🗆	
If yes then why and if no then why?			
	1.6. 1. 10	T 7	
37. Have you compared the expenses of electricity	and fuelwood?	Yes □	no 🗆
If yes then which resource is expensive? Name on	ly		
38. Have you any idea about the consequences of	deforestation?	Yes □	no 🗆
If yes then what are those? Name only			
39. Have you any idea about other sources of elect	ricity like solar	and micro hydr:	a19
37. Have you any raca about other sources of creek	ricity like solul		ar .
40. How much extra money would you be willing more load shedding?	to pay, if electri	city provider gu	arantees no
Minimum Maxi	mum		

Thank you very much for your cooperation