

Table S1. Socio-economic and demographic profile of households.

Variables	Household	
	N	%
<i>District</i>		
Kathmandu	862	87.4
Bhaktapur	36	3.7
Lalitpur	88	8.9
<i>Caste</i>		
Brahmin	236	23.9
Chettri	135	13.7
Janajati	609	61.8
Dalit	1	0.1
missing	5	0.5
<i>Respondents' Gender_Pre-GEQ</i>		
Female	488	49.5
Male	498	50.5
<i>Respondents' Gender_Post-GEQ</i>		
Female	475	48.2
Male	511	51.8
<i>Ownership of house</i>		
Owner	584	59.2
Tenants	401	40.7
missing	1	0.1
<i>Monthly expenditure</i>		
	Mean (\pm SD)	
Pre-GEQ	US\$294 (\pm 165)	
Post-GEQ	US\$322 (\pm 178)	

SD: Standard deviation; 1 U.S. dollar (US\$) = 109 Nepalese Rupees (NRs.) (as of 5 January 2017)

Table S2. Water sources that have a negative correlation with piped water across Kathmandu Upatyaka Khanepani Limited (KUKL) branches pre- and post-GEQ period.

KUKL branches	Water sources having negative [#] correlation* (p-value<0.05) with piped water	
	Pre-GEQ	Post-GEQ
Mahankalchaur	Jar water	Groundwater, Jar water
Chetrapati	None	Jar water
Kamaladi	Groundwater	Jar water
Tripureshowr	Tanker water	Jar water
Lalitpur	None	Tanker water
Madhyapur	None	Groundwater
Baneshowr	None	Groundwater, Jar water
Maharajgunj	None	None
Kritipur	No piped water	

*# positive correlation was observed in only one branch and does not match objective; * Pearson correlation test was used to test correlation between consumption of piped water with that of other source.*

Table S3. Groundwater, jar water, and tanker water consumption of households across different branches during pre- and post-GEQ periods; data and comparison.

KUKL branches (number of households)	Source of water	Pre-GEQ	Post-GEQ	Paired t-test p-value
		Amount in Litres (number of household)		
Mahankaalchaur (N=188)	Groundwater	123 (N=136)	76 (N=145)	.001
	Jar water	13 (N=111)	5 (N=112)	<0.001
	Tanker water	7(N=9)	0	.004
Chettrapati (N=96)	Groundwater	158 (N=33)	146 (N=41)	.733
	Jar water	18 (N=81)	15 (N=84)	.126
	Tanker water	91 (N=52)	345 (N=48)	<0.001
Kamaladi (N=28)	Groundwater	129 (N=8)	34 (N=5)	.093
	Jar water	16 (N=21)	12 (N=18)	.259
	Tanker water	52 (N=8)	168 (N=7)	.101
Tripureshowr (N=170)	Groundwater	291 (N=82)	280 (N=126)	.828
	Jar water	19 (N=112)	14 (N=133)	.002
	Tanker water	107 (N=78)	328 (N=69)	.002
Lalitpur (N=88)	Groundwater	121 (N=36)	147 (N=53)	.394
	Jar water	22 (N=74)	11(N=77)	<0.001
	Tanker water	74 (N=74)	370 (N=42)	.002
Madhyapur (N=36)	Groundwater	14 (N=5)	10 (N=6)	.799
	Jar water	2 (N=29)	15(N=29)	<0.001
Baneshowr (N = 293)	Groundwater	335 (N=181)	248 (N=234)	.046
	Jar water	14(N=216)	9 (N=223)	<0.001
	Tanker water	33 (N=44)	91 (N=28)	.172
Maharajgunj (N = 57)	Groundwater	331 (N=36)	223 (N=40)	.037
	Jar water	16 (N=46)	12 (N=51)	.040
	Tanker water	88 (N=34)	286 (N=22)	.122
Kritipur (N = 30)	Groundwater	31 (N=9)	33 (N=30)	.827
	Jar water	33 (N=28)	13 (N=28)	<0.001

Table S4. Distribution of piped water, alternative water sources, and their combination to households.

Water sources	Household %	
	Pre-GEQ	Post-GEQ
Piped water only	0	0
Piped + alternative water sources	63	66
Alternative water sources only	37	34
Total	100	100

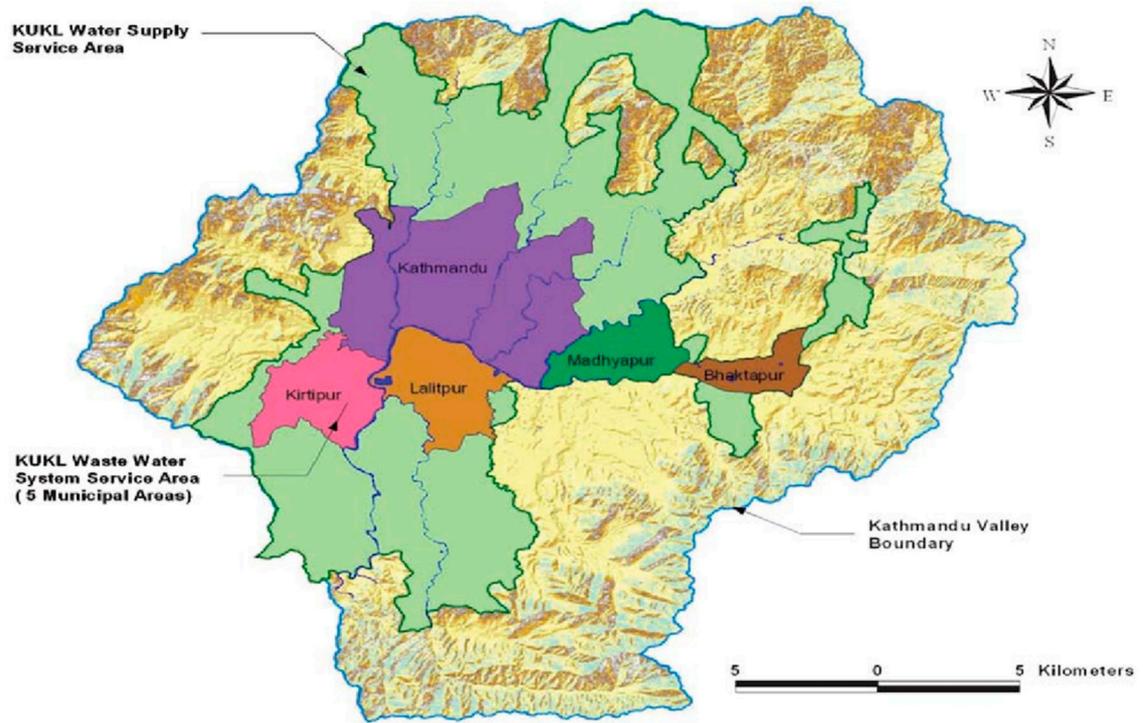


Figure S1. Kathmandu Upatyaka Khanepani Limited (KUKL) service areas (Source: KUKL 2015[1]).

References:

1. *Annual Report (Seventh Anniversary)*; Kathmandu Upatyaka Khanepani Limited: Kathmandu, Nepal, 2015.

Questionnaire (English version)

(Note: This questionnaire is adapted according to the data used to prepare the manuscript.)

1. Personal Information

- (1) Name: Female Male
- (2) Address:DistrictVillageWardTole
- (3) Phone number:
- (4) Age:Year
- (5) Ethnicity: Bramhan Chettri Janajati Dalit Other () Don't want to disclose
- (6) Are you the owner of the house? Owner Tenant
- (7) How many households in the house? _____ households
- (8) How many persons in your family? _____ persons
- (9) Please tell us about your household members.

S.N.	A. Member's position	B. Last educational attainment	C. Occupation
1.	Household head	Illiterate	Agriculture
2.	Household's wife/husband	No formal school	Business
3.	Father/Mother of household head or wife	Primary school (1-5 classes)	Skilled manual labour
4.	Child of household head	Lower secondary (6-8 classes)	Unskilled manual labour
5.	Brother/Sister of household head or wife	Secondary (9-10 classes)	Service
6.	Others.....	Upper secondary (10-12 classes)	Remittance
7.		College/ University	Student
8.		Do not want to disclose	Other

<input type="checkbox"/> for interviewee	Member position ^{A)}	Age	Sex (M/F)	Last educational attainment ^{B)}	Occupation ^{C)}
1 <input type="checkbox"/>					
2 <input type="checkbox"/>					
3 <input type="checkbox"/>					
4 <input type="checkbox"/>					
5 <input type="checkbox"/>					

2. Your household water system

7. Does your house connect piped water?

- YES NO → Go to Q13

8. For how many hours does the piped water supply the house, per day or per week?

() Hours per Day , per Week

9. Do you store piped water in your house?

- No, I do not
- Yes, I store it in: Tank on the roof Tank underground
 Vessels Other ()

10. What amount of piped water do you consume in a day/week/month?

() Liters per Day per Week per Month

11. What do you use piped water for? Please tick all that apply.

- Drinking Cooking Bathing Laundry Cleaning
- Gardening Other (Specify)

12. How much do you pay for your piped water supply in a day/week/month?

() NPR per Day, per Week, per Month

13. Do you have a well in your yard/compound?

- YES YES, but dried → [Go to Q17](#) NO → [Go to Q17](#)

14. What amount of well water do you consume in a day/week/month?

() Liters per Day per Week per Month

15. Do you store well water in your house?

- No, I do not
- Yes, I store it in: Tank on the roof Tank under the floor
 Vessels Other ()

16. What is the purpose of using water from well? Please tick all that apply.

- Drinking Cooking Bathing Laundry Cleaning
- Gardening Other (Specify)

17. Do you collect rain water for domestic use?

- YES NO → [Go to Q21](#)

18. What amount of rain water do you consume in a day/week/month?

() Liters per Day per Week per Month

19. Do you store rain water in your house?

- No, I do not
- Yes, I store it in: Tank on the roof Tank under the floor
 Vessels Other ()

20. What is the purpose of using rain water? Please tick all that apply.

- Drinking Cooking Bathing Laundry Cleaning
- Gardening Other (Specify)

21. Does your family buy water for domestic use? If yes, how frequently and how much do you pay each time?

YES No → Go to Q22

Source	Frequency	Payment	Purpose
Bottled or Jar water	<input type="checkbox"/> Everyday <input type="checkbox"/> ()times per week <input type="checkbox"/> ()times per month	() NPR/per time	<input type="checkbox"/> Drinking <input type="checkbox"/> Cooking <input type="checkbox"/> Bathing <input type="checkbox"/> Laundry <input type="checkbox"/> Cleaning <input type="checkbox"/> Gardening <input type="checkbox"/> Other (Specify)
Tanker-truck	<input type="checkbox"/> Everyday <input type="checkbox"/> ()times per week <input type="checkbox"/> ()times per month	() NPR/per time	<input type="checkbox"/> Drinking <input type="checkbox"/> Cooking <input type="checkbox"/> Bathing <input type="checkbox"/> Laundry <input type="checkbox"/> Cleaning <input type="checkbox"/> Gardening <input type="checkbox"/> Other (Specify)

22. Do you collect the water? How much water and how many times do you collect water in a day/week/month? Why do you collect the water? Please tick all that apply.

Source	Litre	Times	Per	Purpose
<input type="checkbox"/> Neighbour's piped water			<input type="checkbox"/> Day <input type="checkbox"/> Week <input type="checkbox"/> Month	<input type="checkbox"/> Drinking <input type="checkbox"/> Cooking <input type="checkbox"/> Bathing <input type="checkbox"/> Laundry <input type="checkbox"/> Cleaning <input type="checkbox"/> Gardening <input type="checkbox"/> Other (Specify)
<input type="checkbox"/> Neighbour's well			<input type="checkbox"/> Day <input type="checkbox"/> Week <input type="checkbox"/> Month	<input type="checkbox"/> Drinking <input type="checkbox"/> Cooking <input type="checkbox"/> Bathing <input type="checkbox"/> Laundry <input type="checkbox"/> Cleaning <input type="checkbox"/> Gardening <input type="checkbox"/> Other (Specify)
<input type="checkbox"/> Tanker-truck			<input type="checkbox"/> Day <input type="checkbox"/> Week <input type="checkbox"/> Month	<input type="checkbox"/> Drinking <input type="checkbox"/> Cooking <input type="checkbox"/> Bathing <input type="checkbox"/> Laundry <input type="checkbox"/> Cleaning <input type="checkbox"/> Gardening <input type="checkbox"/> Other (Specify)
<input type="checkbox"/> River/Lake/ Ponds			<input type="checkbox"/> Day <input type="checkbox"/> Week <input type="checkbox"/> Month	<input type="checkbox"/> Drinking <input type="checkbox"/> Cooking <input type="checkbox"/> Bathing <input type="checkbox"/> Laundry <input type="checkbox"/> Cleaning <input type="checkbox"/> Gardening <input type="checkbox"/> Other (Specify)
<input type="checkbox"/> Bottled or Jar water			<input type="checkbox"/> Day <input type="checkbox"/> Week <input type="checkbox"/> Month	<input type="checkbox"/> Drinking <input type="checkbox"/> Cooking <input type="checkbox"/> Bathing <input type="checkbox"/> Laundry <input type="checkbox"/> Cleaning <input type="checkbox"/> Gardening <input type="checkbox"/> Other (Specify)
<input type="checkbox"/> Public well			<input type="checkbox"/> Day <input type="checkbox"/> Week <input type="checkbox"/> Month	<input type="checkbox"/> Drinking <input type="checkbox"/> Cooking <input type="checkbox"/> Bathing <input type="checkbox"/> Laundry <input type="checkbox"/> Cleaning <input type="checkbox"/> Gardening <input type="checkbox"/> Other (Specify)

<input type="checkbox"/> Stone spout			<input type="checkbox"/> Day <input type="checkbox"/> Week <input type="checkbox"/> Month	<input type="checkbox"/> Drinking <input type="checkbox"/> Cooking <input type="checkbox"/> Bathing <input type="checkbox"/> Laundry <input type="checkbox"/> Cleaning <input type="checkbox"/> Gardening <input type="checkbox"/> Other (Specify)
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3. Economic status of household

23. In your household, what do you have?

Electricity	<input type="checkbox"/> YES <input type="checkbox"/> NO	Radio	<input type="checkbox"/> YES <input type="checkbox"/> NO
Television	<input type="checkbox"/> YES <input type="checkbox"/> NO	Mobile phone	<input type="checkbox"/> YES <input type="checkbox"/> NO
Land phone	<input type="checkbox"/> YES <input type="checkbox"/> NO	Refrigerator	<input type="checkbox"/> YES <input type="checkbox"/> NO
Bicycle	<input type="checkbox"/> YES <input type="checkbox"/> NO	Motor bike	<input type="checkbox"/> YES <input type="checkbox"/> NO
Car	<input type="checkbox"/> YES <input type="checkbox"/> NO	Computer	<input type="checkbox"/> YES <input type="checkbox"/> NO
Fan	<input type="checkbox"/> YES <input type="checkbox"/> NO	Kerosene stove	<input type="checkbox"/> YES <input type="checkbox"/> NO
Electric stove	<input type="checkbox"/> YES <input type="checkbox"/> NO	Gas stove	<input type="checkbox"/> YES <input type="checkbox"/> NO
Domestic servant	<input type="checkbox"/> YES <input type="checkbox"/> NO	Invertor	<input type="checkbox"/> YES <input type="checkbox"/> NO

24. How much did you pay in the last month? () NRP/month.

Thank you very much for your cooperation!

ID no.

Name of interviewer: Date of interview: