

COMMUNITY WATER VENDOR MAPPING

1. Introduction

The problem of inadequate drinking water supply in the Kathmandu Valley is perennial. With the fast growing population, water shortage remains one of the key problems in the valley. The drinking water supply managed by the Kathmandu Upatyaka Khanepani Limited (KUKL) is grossly inadequate to fulfill water demand in the valley. Since the demand for water in the valley is growing exponentially, due to increased population and no new sources of water has been tapped, the problem cannot be resolved by better management alone. The demand and supply have exacerbated inequalities in access to water and have left gaps in the water supply system. Meanwhile, individual and small scale water vendors have emerged in the communities to fill the gaps. Water vendors are those who provide and or sell water especially in the local community in an affordable price. Small scale vendor provision takes various forms including borehole water vendors, tap water vendors, mobile delivery services offered by tankers etc.

In this context, Urban Environment Management Society, an organization working in WASH sector, has undertaken a brief study concerning the drinking water distribution practices of small scale water vendors in Lalitpur Metropolitan City. The study findings provide the status and practices of water distribution and safety means among small scale water vendors.

2. Study Area

The survey is carried out in Lalitpur Metropolitan City (LMC) with the local small scale water vendors.

3. Methodology

A brief structured questionnaire was developed for the purpose of inquiry among small scale water vendors. The enumerators were trained and mobilized to map out the location of water vendors and collect information from them. During the inquiry, the water vendors were given orientation on importance and methods of liquid chlorination.

4. Findings

4.1 Ownership of Vending

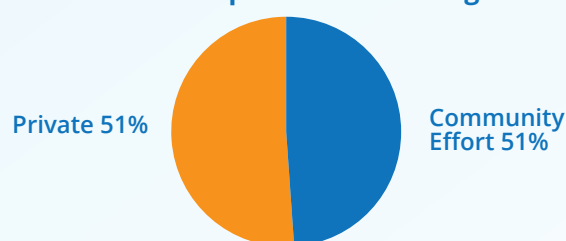
It revealed from the study that there were a total of 71 water vendors in 11 Wards out of 29 Wards in LMC. The study shows that 51% (36) vendors out of 71 belong to community ownership who collect water from tanker water suppliers then distribute locally. Similarly, 49% (35) vendors are privately owned who also usually collect the water from tanker water supplier then distribute water to the individuals in the community. Meanwhile, the study shows that the quantity of water distribution by the vendors ranges 150 ltrs. to 7000 ltrs per day in the community.



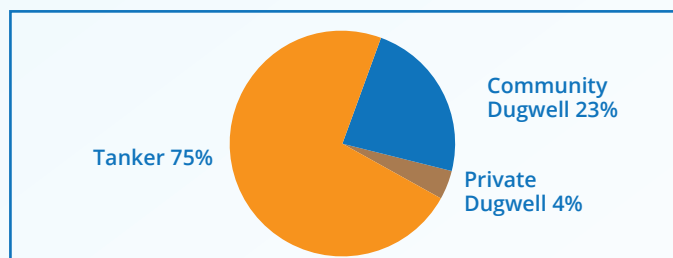
Table 1: Distribution of water vendors by Ward

S.No.	Ward	No. of vendors
1	Ward no 3	4
2	Ward no 6	3
3	Ward no 7	12
5	Ward no 8	18
6	Ward no 9	12
7	Ward no 11	1
8	Ward no 12	1
9	Ward no 16	12
10	Ward no 17	5
11	Ward no 19	3
Total		71

Ownership of water Vending

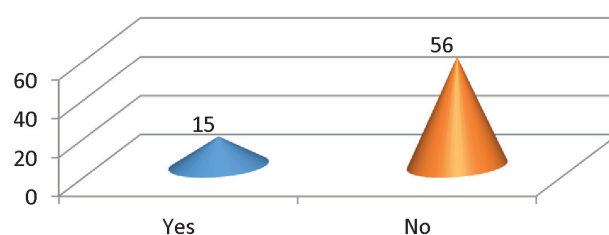


4.2 Source of water for Vending



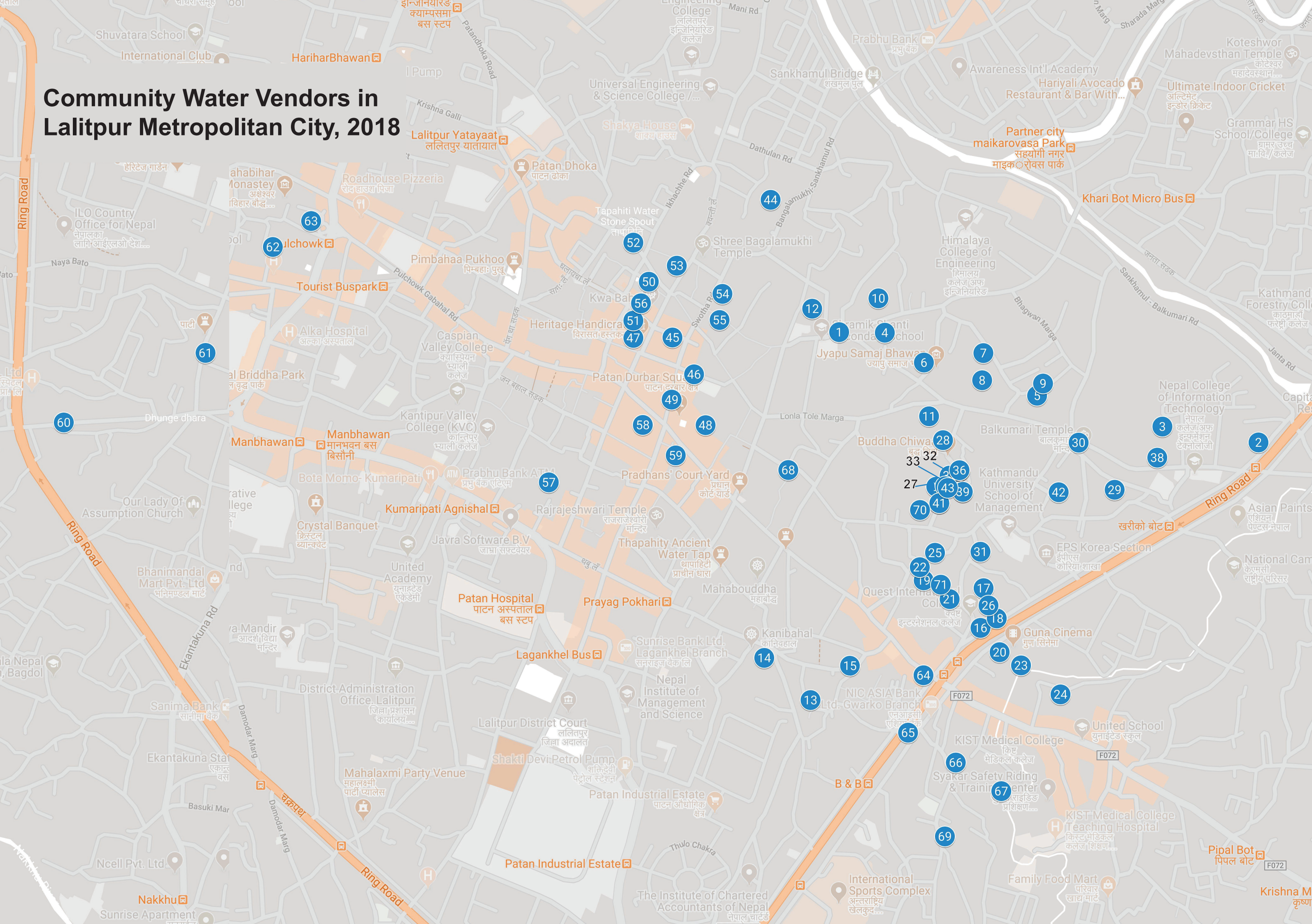
Majority vendors use tanker water as the source for distribution purpose which is 73% (52) of the total followed by 23% (16) vendors who use community dug well water while 4% (3) vendors use water from their own private dug well for distribution.

4.3 Use of PoU options



Majority of water vendors were found not using any PoU options for distribution of water in the community. The study reveals that only 21% (15 out of 71) water vendors use PoU options and the rest 79% (56) vendors distribute the water without any treatment. Based on this result, UEMS conducted series of training to the water vendors on mass/ liquid chlorination.

Community Water Vendors in Lalitpur Metropolitan City, 2018



4.4 Lists of community water vendor

List of community water vendors in Ward no. 3

SN	Code	Vendor's Name	Address	Contact No	Source	Ownership	Water Quantity (in ltrs)	No. of years	Chlorination (Yes/No)
1	UE-LM63	Dhan Bdr Regmi	Shihiti	9841859128	Tanker	Private	1200	5	Yes
2	UE-LM64	Sujan Rajak	Dhobighat	9803229816	Tanker	Community	6000	5	Yes
3	UE-LM65	Prem Maya Maharjan	Pulchowk	9841578646	Tanker	Private	100	3	Yes

List of community water vendors in Ward no. 6

SN	Code	Vendor's Name	Address	Contact No	Source	Ownership	Water Quantity (in ltrs)	No. of years	Chlorination (Yes/No)
1	UE-LM13	Shanti Shakya	Okubahal	9849194264	Tanker	Community	400	3	Yes
2	UE-LM14	Chini Kaji Shakya	Okubahal	9841366971	Tanker	Community	600	1	Yes
3	UE-LM15	Sushrita Shakya	Gujibahal	9841268292	Tanker	Community	3000	6	No

List of community water vendors in Ward No 7

SN	Code	Vendor's Name	Address	Contact No.	Source	Ownership	Water Quantity (in ltrs)	No. of years	Chlorination (Yes/No)
1	UE-LM16	Dil Maya Maharjan	Dhalchhen	9841944065	Tanker	Community	400	6	No
2	UE-LM17	Sapana Maharjan	Tyagal	9841208801	Tanker	Private	3000	3	No
3	UE-LM18	Chininani Bajracharya	Bhinchenbahal	9808350737	Tanker	Community	2000	5	No
4	UE-LM19	Ram Maya Maharjan	Pilachhen	9860005443	Tanker	Community	2000	5	No
5	UE-LM20	Sanu Maharjan	Dhalchhen	9849497309	Tanker	Community	4000	5	Yes
6	UE-LM21	Mahabir Maharjan	Dupat	5524701	Tanker	Community	5000	5	Yes
7	UE-LM23	Bishnu Maya Maharjan	Dupat		Tanker	Private	500	3	No
8	UE-LM24	Laxmi Maharjan	Gwarko	9841193841	Tanker	Private	100	6	No
9	UE-LM25	Renu Maharjan	Gwarko	9841539411	Tanker	Private	200	3	No
10	UE-LM27	Tej Kumar Maharjan	Pilachhen	9851069036	Tanker	Community	500	3	No

List of community water vendors in Ward no. 8

SN	Code	Vendor's Name	Address	Contact No.	Source	Ownership	Water Quantity (in ltrs)	No. of years	Chlorination (Yes/No)
1	UE-LM29	Ram Maya Maharjan	Guitole		Tanker	Private	200	3	Yes
2	UE-LM30	Ramita Maharjan	Guitole	9841201747	Tanker	Private	250	4	No
3	UE-LM31	Ram Hari Maharjan	Guitole	9841792886	Tanker	Private	800	2	No
4	UE-LM32	Kesari Maharjan	Pinchhen		Tanker	Community	500	5	No
5	UE-LM33	Yasodha Kumari	Guitole	9849867817	Tanker	Private	200	5	No
6	UE-LM34	Dil Maya Shakya	Guitole	5524516	Tanker	Private	100	4	No
7	UE-LM35	Nakkali Maharjan	Guitole	5540401	Tanker	Private	100	4	No
8	UE-LM36	Ram Maya Maharjan	Guitole	5536623	Tanker	Private	200	4	No
9	UE-LM37	Anita Maharjan	Guitole	9849874090	Tanker	Private	150	5	No
10	UE-LM38	Asta Maya Maharjan	Guitole	9818234478	Tanker	Private	250	4	No
11	UE-LM39	Jivan Maharjan	Balkumari	9841353156	Tanker	Private	250	5	No
12	UE-LM40	Babukaji Maharjan	Guitole	9849451282	Tanker	Private	100	2	No
13	UE-LM41	Jit Bahadur Maharjan	Guitole	5547623	Tanker	Private	50	4	No
14	UE-LM42	Jamuna Maharjan	Guitole	5186372	Tanker	Private	200	3	No
15	UE-LM43	Buddha Laxmi Maharjan	Guitole	9841517086	Tanker	Private	200	3	No
16	UE-LM44	Nani Babu Maharjan	Gasi tole	9841853894	Tanker	Private	300	5	No
17	UE-LM45	Nani Maharjan	Guitole	9808917245	Tanker	Private	600	5	Yes

Lists of community water vendors in Ward no. 9

SN	Code	Vendor's Name	Address	Contact No.	Source	Ownership	Water Quantity (in ltrs)	No. of years	Chlorination (Yes/No)
1	UE-LM1	Ram Maya Maharjan	Saptakhel	9808058189	Tanker	Community	500	3	No
2	UE-LM2	Bindeswori Shakya	Saptakhel	9841651257	Tanker	Private	1000	6	No
3	UE-LM3	Mina Shrestha	Bholdhoka	9841974049	Tanker	Private	1000	2	No
4	UE-LM4	Sanu Maya Maharjan	Lola	9843163421	Tanker	Community	500	2	No
5	UE-LM5	Madan Awale	Bhelachhen	9841503283	Tanker	Private	200	5	Yes
6	UE-LM6	Gokul Thapa	Bholdhoka	9841761268	Tanker	Private	150	6	No
7	UE-LM7	Laxmi Tamrakar	Saptakhel	9818892274	Tanker	Private	500	2	No
8	UE-LM8	Nhuchhe Maya Maharjan	Saptakhel	5186104	Tanker	Private	100	2	No
11	UE-LM11	Mina Bajracharya	Saptakhel	9861905000	Tanker	Private	1500	5	No
12	UE-LM12	Kamala Maharjan	Bhelachhen	9841678564	Tanker	Private	700	1	No

Lists of community water vendors in Ward no. 11

SN	Code	Vendor's Name	Address	Contact No.	Source	Ownership	Water Quantity (in ltrs)	No. of years	Chlorination (Yes/No)
1	UE-LM4	Salina Khadgi	Aalk	9841696777	Tanker	Community	1000	3	Yes

List of community water vendors in Ward no 16

SN	Code	Vendor's Name	Address	Contact No.	Source	Ownership	Water Quantity (in ltrs)	No. of years	Chlorination (Yes/No)
1	UE-LM52	Shanti Byanjankar	Luchhenani	9860438015	Tanker	Community	500	3	Yes

Lists of community water vendors in Ward no. 17

SN	Code	Vendor's Name	Address	Contact No.	Source	Ownership	Water Quantity (in ltrs)	No. of years	Chlorination (Yes/No)
1	UE-LM67	Sita Maharjan	Lukushi	9841751173	Tanker	Community	500	10	No
2	UE-LM68	Gyanu Maya Maharjan	Tyagal	9818939378	Tanker	Private	7000	6	Yes
3	UE-LM69	Bina Maharjan	Lukushi	9860369697	Tanker	Community	7000	3	No
4	UE-LM70	Gyani Maharjan	Lukushi	5186525	Tanker	Community	150	10	No
5	UE-LM71	Nani Maya Maharjan	Lukushi	9808534780	Tanker	Community	200	10	No

Lists of community water vendors in Ward no. 19

SN	Code	Vendor's Name	Address	Contact No.	Source	Ownership	Water Quantity (in ltrs)	No. of years	Chlorination (Yes/No)
1	UE-LM61	Sujan Tamrakar	Tichhugalli	9803993584	Tanker	Community	2000	8	Yes
2	UE-LM62	Rasila Silpakar	Ikalkhu		Tanker	Community	1000	6	Yes



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