HIMACHAL PRADESH STATE WATER AND SANITATION MISSION WSSO, DHALLI, SHIMLA-171012

NO: SWSM-WSSO-WATER ATM/2013-14/ 2/106-08

Dated: 02-01-2015

To

The Engineering-in-Chief Irrigation and Public Health Department, U.S. Club, Shimla-1

Subject:

Installation of WATER ATMs in H.P. on pilot basis on Built, Operate, Manage and Maintain (BOMM) Mode

In reference to your office letter no. IPH-PH-Water ATMs (18)2014-5213-14 dated 18th December 2014, the brief note regarding the progress in installation of WATER ATMs in the State and water dispensing reports for the WATER ATM installed at The Ridge, Shimla and Mata Chintpurani Temple, Una are enclosed for perusal please. The same may also be uploaded on departmental website. Monthly water sale reports are also attached for two ATMs at The Ridge and Mata Chintpurani Temple.

Encls: As above

Chief Engineer cum Director (WSSO) Dhalli, Shimla-12

Copy to:-

1. The Additional Chief Secretary (IPH) to the Govt. of Himachal Pradesh, Secretariat, Shimla-2 for information please.

2. The Programmer cum Consultant (MIS), IPH, U.S. Club, Shimla for uploading the same on departmental website.

> Chief Engineer cum Director (WSSO) Dhalli, Shimla-12

Installation of "Water ATMs" in the State on pilot basis on Built, Operate, Manage and Maintain (BOMM) Mode-An Innovative Step towards Quality Water

Brief Note

The State Water Policy 2013 advocates the use of Water ATMs at places of mass public congregation like temples, fairs etc. so as to ensure availability of quality water to the beneficiaries. The Govt. of Himachal Pradesh in its endeavour to provide assured quality water has decided to install Water ATMs at certain fixed locations of the State on pilot basis initially.

These Water ATMs are being installed by M/S Piramal Water Pvt. Ltd. Mumbai under its brand "SARVAJAL" on no profit no loss basis through a tripartite MoU among IPH Department as First Party, concerned agency under the jurisdiction of which the locations falls (i.e. Municipal Corporation, Temple Trusts, HRTC, Hospital Administration etc.) as Second Party and M/s Piramal Water (P), Ltd. as Third Party on Build, Operate, Manage & Maintain (BOMM) basis. The firm has successfully installed & operating these Water ATMs in Gujarat, Rajasthan & Delhi on BOMM basis. The main features of the Water ATMs are:-

- > Fully automated, integrated, purification and dispensing unit.
- > Quality assured by real time remote monitoring.
- Solar powered, cloud connected and RFID enabled.
- > Affordable price of 50 paisa per liter.
- ≥ 24X7 reliable service.
- > No water wastage and no plastic waste.
- > Reduction in water borne disease burden.
- > Enhanced consumer satisfaction.

The detail of MOUs entered and WATER ATMs installed is as under:

S. No.	Place of Water ATM installation	Status of MoU (Yes/No)	Status of installation (Yes/No)	Remarks
1	The Ridge, Shimla	Yes	Yes	Installed in July 2014
2	Vikas Nagar (Shimla)	Yes	Yes	Installed in Dec. 2014
3	Mata Chintpurani Mandir, Una	Yes	Yes	Installed in Aug. 2014
4	Chamunda Mata Mandir, Kangra	No	No	
5	Mata Jawalaji Mandir, Kangra	No	No	
6	Dari, Dharamsala	Yes	Yes	Installed in Dec. 2014
7	HRTC Bus Stand, Mandi	Yes	No	
8	Old Bus Stand, Shimla	Yes	No	
9	IGMC, Shimla	No	No	
	Total MoU signed and Water ATM installed till December 2014	6	4	



Department of Irrigation and Public Health Partnered Integrated Water ATM Unit at The Ridge, Shimla

Water Dispensed Report August 2014



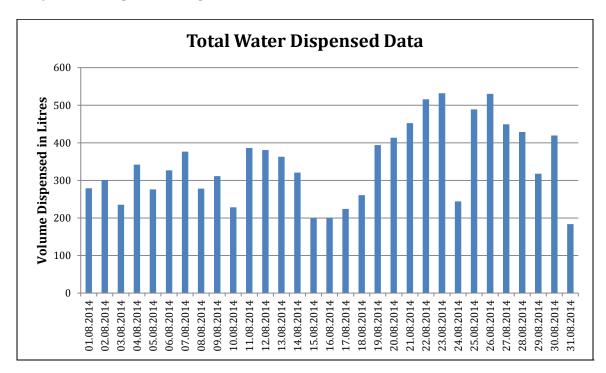
Piramal Water Private Limited

The Ridge, Shimla

Reporting Period: 01 August 2014 to 31 August 2014

Total No. of Cards Sold	1084
Total No. of Cards Used	833
Total Volume Dispensed	10662.4 L
Avg. Daily Volume	343.94 L
No. of Cards with > 5 Transactions	324
No. of Cards with 1-5 Transactions	509
No. of Cards Recharged with Balance	65
Vol. of Water Dispensed from Master Card	1174 L

Daily Water Dispensed Graph:



Max Daily Water Dispensed: 532.1 L (23 Aug 2014) Minimum Daily Water Dispensed: 183.7 L (31 Aug 2014)

Median Daily Water Dispensed: 326.7 L

Annexure A: Weekly Water Dispensed Report

Week Number	Date Range	Total Vol. Dispensed
Week 1	01 Aug to 7 Aug	2136 L
Week 2	8 Aug to 14 Aug	2269 L
Week 3	15 Aug to 21 Aug	2145 L
Week 4	22 Aug to 28 Aug	3190 L

Annexure B: Daily Water Dispensed Report

1 Aug 2014	279 L	16 Aug 2014	200.3 L
2 Aug 2014	301 L	17 Aug 2014	224 L
3 Aug 2014	235.3 L	18 Aug 2014	260.9 L
4 Aug 2014	342.1 L	19 Aug 2014	394.2 L
5 Aug 2014	276.1 L	20 Aug 2014	413.7 L
6 Aug 2014	326.7 L	21 Aug 2014	452.6 L
7 Aug 2014	376.5 L	22 Aug 2014	516 L
8 Aug 2014	278.4 L	23 Aug 2014	532.1 L
9 Aug 2014	311.6 L	24 Aug 2014	244 L
10 Aug 2014	228.3 L	25 Aug 2014	489 L
11 Aug 2014	386.2 L	26 Aug 2014	530.3 L
12 Aug 2014	380.7 L	27 Aug 2014	449.4 L
13 Aug 2014	362.9 L	28 Aug 2014	429.1 L
14 Aug 2014	321 L	29 Aug 2014	317.9 L
15 Aug 2014	199.2 L	30 Aug 2014	419.6 L
		31 Aug 2014	183.7 L



Department of Irrigation and Public Health Partnered Integrated Water ATM Unit at The Ridge, Shimla

Water Dispensed Report September 2014

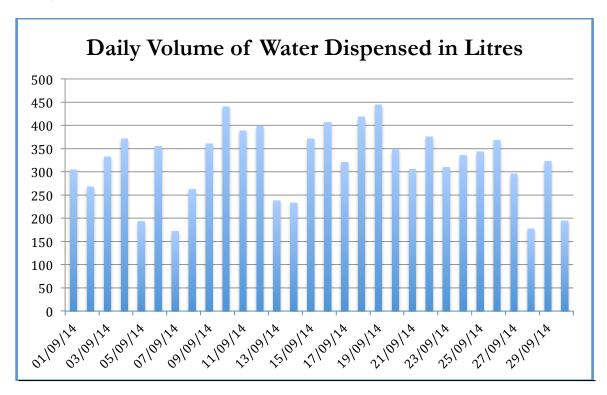


Piramal Water Private Limited

The Ridge, Shimla

01 September 2014 to 30 September 2014			
Total No. of Cards Sold	1206		
Total No. of Cards Used	983		
Total Volume Dispensed	9652.2 L		
Avg. Daily Volume	321.74 L		
No. of Cards with > 5 Transactions	234		
No. of Cards with 1-5 Transactions	344		
No. of Recharges	72		
Vol. of Water Dispensed from Master Card	822.8 L		

Daily Water Dispensed Graph:



Max Daily Water Dispensed: 444.9 L (19 September 2014) Minimum Daily Water Dispensed: 171.5 L (7 September 2014)

Median Daily Water Dispensed: 334.05 L

Annexure A: Weekly Water Dispensed Report

Week Number	Date Range	Total Vol. Dispensed
Week 1	01 Sep to 7 Sep	1995.4
Week 2	8 Sep to 14 Sep	2258.8
Week 3	15 Sep to 21 Sep	2541.7
Week 4	22 Sep to 28 Sep	2333.4

Annexure B: Daily Water Dispensed Report

Date	Volume	Date	Volume
01-Sep	304.2 L	16-Sep	407 L
02-Sep	267.6 L	17-Sep	320.4 L
03-Sep	332.5 L	18-Sep	418.2 L
04-Sep	371.3 L	19-Sep	444.9 L
05-Sep	193.7 L	20-Sep	347.7 L
06-Sep	354.6 L	21-Sep	305.6 L
07-Sep	171.5 L	22-Sep	375.1 L
08-Sep	262.3 L	23-Sep	310.2 L
09-Sep	360.9 L	24-Sep	335.6 L
10-Sep	440.1 L	25-Sep	343.2 L
11-Sep	388.4 L	26-Sep	368.3 L
12-Sep	398.3 L	27-Sep	295.4 L
13-Sep	237.3 L	28-Sep	177.2 L
14-Sep	232.8 L	29-Sep	323 L
15-Sep	370.7 L	30-Sep	194.2 L



Department of Irrigation and Public Health Partnered Integrated Water ATM Unit at The Ridge, Shimla

Water Dispensed Report October 2014

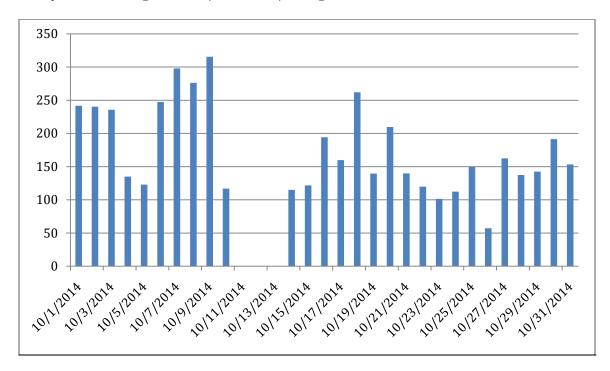


Piramal Water Private Limited

The Ridge, Shimla

01 October 2014 to 31 October 2014			
Total No. of Cards Sold	1225		
Total No. of Cards Used	1022		
Total Volume Dispensed	4899.2 L		
Avg. Daily Volume	158.03 L		
No. of Cards with > 5 Transactions	110		
No. of Cards with 1-5 Transactions	254		
No. of Cards Recharged with Balance	29		
Vol. of Water Dispensed from Master Card	398 times to dispense 334.5 L		

Daily Water Dispensed (In Litres) Graph:



Max Daily Water Dispensed: 315.6 L (9 October 2014)

Minimum Daily Water Dispensed: 0 L (11, 12 & 13 October 2014)

Median Daily Water Dispensed: 142.5 L

Annexure A: Weekly Water Dispensed Report

Week Number	Date Range	Total Vol. Dispensed
Week 1	1 Oct to 7 Oct	1520.9 L
Week 2	8 Oct to 14 Oct	823.8 L
Week 3	15 Oct to 21 Oct	1226.7 L
Week 4	22 Oct to 28 Oct	840.6 L

Annexure B: Daily Water Dispensed Report

Date	Volume	Date	Volume
01-Oct	241.7 L	17-Oct	159.9 L
02-Oct	240.3 L	18-Oct	262.1 L
03-Oct	235.8 L	19-Oct	139.5 L
04-Oct	134.9 L	20-Oct	209.6 L
05-Oct	122.9 L	21-Oct	139.7 L
06-Oct	247.4 L	22-Oct	119.8 L
07-Oct	297.9 L	23-Oct	101.6 L
08-Oct	276.2 L	24-Oct	112.3 L
09-Oct	315.6 L	25-Oct	149.8 L
10-Oct	117 L	26-Oct	57.2 L
11-Oct	0 L	27-Oct	162.5 L
12-Oct	0 L	28-Oct	137.4 L
13-Oct	0 L	29-Oct	142.5 L
14-Oct	115 L	30-Oct	191.3 L
15-Oct	121.7 L	31-Oct	153.4 L
16-Oct	194.2 L		



Department of Irrigation and Public Health Partnered Integrated Water ATM Unit at The Ridge, Shimla

Water Dispensed Report November 2014

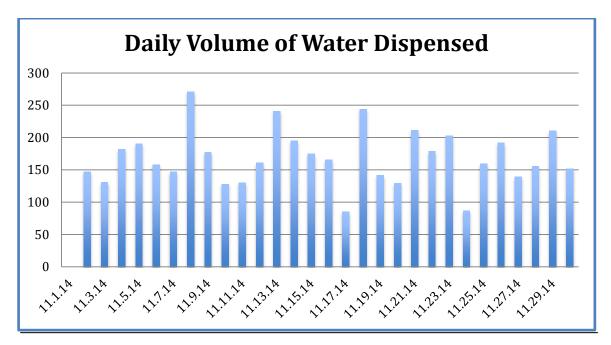


Piramal Water Private Limited

The Ridge, Shimla

01 November 2014 to 30 November 2014		
Total No. of Cards Sold	1272	
Total No. of Cards Used	1075	
Total Volume Dispensed	4921.5L	
Avg. Daily Volume	164.05 L	
No. of Cards with > 5 Transactions	109	
No. of Cards with 1-5 Transactions	232	
No. of Recharges	17	
Vol. of Water Dispensed from Master Card	454.3 L	

Daily Water Dispensed Graph:



Max Daily Water Dispensed: 270.7 L (7November 2014) Minimum Daily Water Dispensed: 34.5 L (30November 2014)

Median Daily Water Dispensed:160.2 L

Annexure A: Weekly Water Dispensed Report

Week Number	Date Range	Total Vol. Dispensed
Week 1	01 Nov to 7 Nov	1226.7
Week 2	8 Nov to 14 Nov	1207.2
Week 3	15 Nov to 21 Nov	1155.5
Week 4	22 Nov to 28 Nov	1146.1

Annexure B: Daily Water Dispensed Report

Date	Volume	Date	Volume
01-Nov	147.40 L	16-Nov	85.40 L
02-Nov	130.80 L	17-Nov	243.50 L
03-Nov	181.70 L	18-Nov	141.90 L
04-Nov	190.70 L	19-Nov	129.00 L
05-Nov	158.20 L	20-Nov	211.30 L
06-Nov	147.20 L	21-Nov	178.60 L
07-Nov	270.70 L	22-Nov	202.60 L
08-Nov	177.20 L	23-Nov	86.60 L
09-Nov	128.0 L	24-Nov	159.70 L
10-Nov	130.30 L	25-Nov	191.60 L
11-Nov	160.70 L	26-Nov	139.20 L
12-Nov	241.10 L	27-Nov	155.60 L
13-Nov	195.10 L	28-Nov	210.80 L
14-Nov	174.80 L	29-Nov	151.50 L
15-Nov	165.80 L	30-Nov	34.50 L



Department of Irrigation and Public Health Partnered Integrated Water ATM Unit at Chintpurni Mata Mandir

Water Dispensed Report August 2014



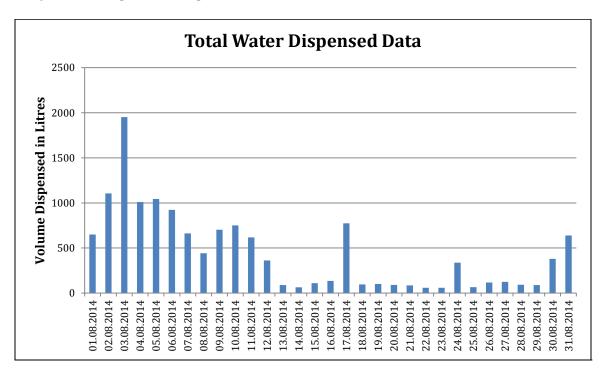
Piramal Water Private Limited

Chintpurni Mata Mandir, Una District

Reporting Period: 01 August 2014 to 31 August 2014

Total No. of Cards Sold	85
Total No. of Cards Used	59
Total Volume Dispensed	13736 L
Avg. Daily Volume	443.09 L
No. of Cards with > 5 Transactions	35
No. of Cards with 1-5 Transactions	24
No. of Cards Recharged with Balance	3
Vol. of Water Dispensed from Master Card	2553 L

Daily Water Dispensed Graph:



Max Daily Water Dispensed: 1953.1 L (03 Aug 2014) Minimum Daily Water Dispensed: 58.4 L (22 Aug 2014)

Median Daily Water Dispensed: 337.3 L

Annexure A: Weekly Water Dispensed Report

Week Number	Date Range	Total Vol. Dispensed
Week 1	01 Aug to 7 Aug	7348 L
Week 2	8 Aug to 14 Aug	3029 L
Week 3	15 Aug to 21 Aug	1396 L
Week 4	22 Aug to 28 Aug	856 L

Annexure B: Daily Water Dispensed Report (in Liters)

1 Aug 2014	650.1	16 Aug 2014	134.5
2 Aug 2014	1105.6	17 Aug 2014	774
3 Aug 2014	1953.1	18 Aug 2014	96.9
4 Aug 2014	1010.7	19 Aug 2014	101.7
5 Aug 2014	1043.8	20 Aug 2014	91.5
6 Aug 2014	923.1	21 Aug 2014	86.1
7 Aug 2014	661.5	22 Aug 2014	58.4
8 Aug 2014	442.4	23 Aug 2014	58.6
9 Aug 2014	702.5	24 Aug 2014	337.3
10 Aug 2014	750.8	25 Aug 2014	66.7
11 Aug 2014	617.8	26 Aug 2014	116.7
12 Aug 2014	363	27 Aug 2014	124.6
13 Aug 2014	88.7	28 Aug 2014	93.3
14 Aug 2014	63.9	29 Aug 2014	88.7
15 Aug 2014	110.8	30 Aug 2014	380.1
		31 Aug 2014	639.1



Department of Irrigation and Public Health Partnered Integrated Water ATM Unit at Chintpurni Mata Mandir

Water Dispensed Report September 2014

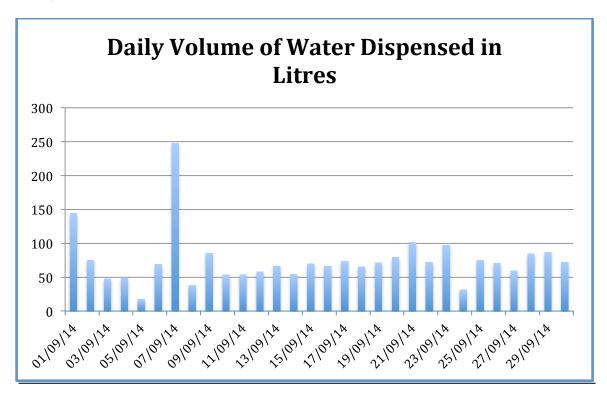


Piramal Water Private Limited

Chintpurni, Mata Mandir, Una District

01 September 2014 to 30 September 2014		
Total No. of Cards Sold	102	
Total No. of Cards Used	79	
Total Volume Dispensed	2236.4 L	
Avg. Daily Volume	74.55 L	
No. of Cards with > 5 Transactions	36	
No. of Cards with 1-5 Transactions	25	
No. of Recharges	15	
Vol. of Water Dispensed from Master Card	715.6 L	

Daily Water Dispensed Graph:



Max Daily Water Dispensed: 247.7 L (7 September 2014) Minimum Daily Water Dispensed: 17.5 L (5 September 2014)

Median Daily Water Dispensed: 70.3 L

Annexure A: Weekly Water Dispensed Report

Week Number	Date Range	Total Vol. Dispensed
Week 1	01 Sep to 7 Sep	650.4
Week 2	8 Sep to 14 Sep	657.2
Week 3	15 Sep to 21 Sep	527.4
Week 4	22 Sep to 28 Sep	490.2

Annexure B: Daily Water Dispensed Report

Date	Volume	Date	Volume
01-Sep	144 L	16-Sep	66.4 L
02-Sep	75 L	17-Sep	73.5 L
03-Sep	47.9 L	18-Sep	65.5 L
04-Sep	49.5 L	19-Sep	71.3 L
05-Sep	17.5 L	20-Sep	79.1 L
06-Sep	68.8 L	21-Sep	101.7 L
07-Sep	247.7 L	22-Sep	71.9 L
08-Sep	38 L	23-Sep	97.2 L
09-Sep	85.3 L	24-Sep	31.2 L
10-Sep	53.8 L	25-Sep	74.8 L
11-Sep	53.6 L	26-Sep	70.7 L
12-Sep	58.3 L	27-Sep	59.5 L
13-Sep	66.5 L	28-Sep	84.9 L
14-Sep	54 L	29-Sep	86.7 L
15-Sep	69.9 L	30-Sep	72.2 L



Department of Irrigation and Public Health Partnered Integrated Water ATM Unit At Chintpurni Mata Mandir

Water Dispensed Report October 2014

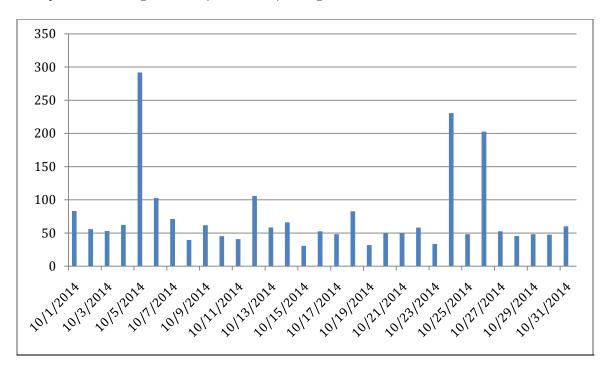


Piramal Water Private Limited

Chintpurni, Mata Mandir, Una District

01 October 2014 to 30 October 2014		
Total No. of Cards Sold	113	
Total No. of Cards Used	93	
Total Volume Dispensed	2310.5 L	
Avg. Daily Volume	74.53 L	
No. of Cards with > 5 Transactions	36	
No. of Cards with 1-5 Transactions	24	
No. of Cards Recharged with Balance	12	
Vol. of Water Dispensed from Master Card	803 times to dispense 1061.1 L	

Daily Water Dispensed (In Litres) Graph:



Max Daily Water Dispensed: 292 L (5 October 2014)

Minimum Daily Water Dispensed: 30.7 L (15 October 2014)

Median Daily Water Dispensed: 53 L

Annexure A: Weekly Water Dispensed Report

Week Number	Date Range	Total Vol. Dispensed
Week 1	01 Oct to 7 Oct	720.2 L
Week 2	8 Oct to 14 Oct	417.5 L
Week 3	15 Oct to 21 Oct	345.7 L
Week 4	22 Oct to 28 Oct	671.4 L

Annexure B: Daily Water Dispensed Report

Date	Volume	Date	Volume
01-Oct	83.2 L	17-Oct	48.2 L
02-Oct	56 L	18-Oct	82.7 L
03-Oct	53 L	19-Oct	31.9 L
04-Oct	62.3 L	20-Oct	49.8 L
05-Oct	292 L	21-Oct	49.8 L
06-Oct	102.7 L	22-Oct	58.1 L
07-Oct	71 L	23-Oct	33.5 L
08-Oct	39.6 L	24-Oct	230.8 L
09-Oct	61.7 L	25-Oct	48.1 L
10-Oct	45.2 L	26-Oct	202.7 L
11-Oct	40.8 L	27-Oct	52.6 L
12-Oct	105.8 L	28-Oct	45.6 L
13-Oct	58.3 L	29-Oct	48.2 L
14-Oct	66.1 L	30-Oct	47.4 L
15-Oct	30.7 L	31-Oct	60.1 L
16-Oct	52.6 L		



Department of Irrigation and Public Health Partnered Integrated Water ATM Unit At Chintpurni Mata Mandir

Water Dispensed Report November 2014

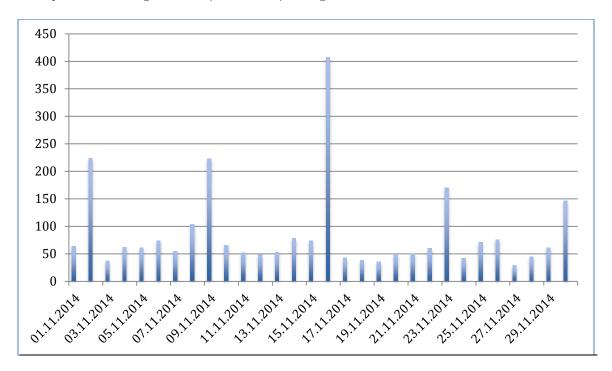


Piramal Water Private Limited

Chintpurni, Mata Mandir, Una District

01 November 2014 to 30 November 2014			
Total No. of Cards Sold	125		
Total No. of Cards Used	104		
Total Volume Dispensed	2598.9 L		
Avg. Daily Volume	86.63 L		
No. of Cards with > 5 Transactions	36		
No. of Cards with 1-5 Transactions	24		
No. of Cards Recharged with Balance	10		
Vol. of Water Dispensed from Master Card	1310.5 L		

Daily Water Dispensed (In Litres) Graph:



Max Daily Water Dispensed: 407 L (16 November 2014)

Minimum Daily Water Dispensed: 29.1 L (27 November 2014)

Median Daily Water Dispensed: $61.35~\mathrm{L}$

Annexure A: Weekly Water Dispensed Report

Week Number	Date Range	Total Vol. Dispensed
Week 1	01 Nov to 7 Nov	577 L
Week 2	8 Nov to 14 Nov	623.9 L
Week 3	15 Nov to 21 Nov	697 L
Week 4	22 Nov to 28 Nov	493.3 L

Annexure B: Daily Water Dispensed Report

Date	Volume	Date	Volume
01-Nov	63.5	16-Nov	407
02-Nov	224	17-Nov	43
03-Nov	37.2	18-Nov	38.6
04-Nov	62.4	19-Nov	35.2
05-Nov	61.2	20-Nov	49
06-Nov	74.2	21-Nov	50.5
07-Nov	54.5	22-Nov	60.3
08-Nov	103.6	23-Nov	170.5
09-Nov	223.2	24-Nov	42.1
10-Nov	65.2	25-Nov	71.3
11-Nov	52.1	26-Nov	75.6
12-Nov	48.5	27-Nov	29.1
13-Nov	53	28-Nov	44.4
14-Nov	78.3	29-Nov	61.5
15-Nov	73.7	30-Nov	146.2