



FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

16- Octubre - 2017



Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA	
16-10	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM	
1	00181.063	00181.113	00181.159	00181.206	00181.222	00181.238	00181.293	
2	00216.471	00216.501	00216.550	00216.588	00216.596	00216.625	00216.635	
3	00227.367	00227.444	00227.506	00227.587	00227.605	00227.621	00227.640	
4	00212.074	00212.101	00212.129	00212.155	00212.165	00212.173	00212.198	
5	00239.308	00239.324	00239.351	00239.387	00239.413	00239.431	00239.442	
6	00049.805	00049.844	00049.887	00049.923	00049.942	00049.953	00049.993	
7	00139.817	00139.860	00139.893	00139.937	00139.948	00139.961	00139.972	
8	00249.277	00249.295	00249.313	00249.333	00249.340	00249.349	00249.372	
9	00215.048	00215.088	00215.152	00215.201	00215.216	00215.217	00215.258	
10	00292.414	00292.456	00292.532	00292.630	00292.693	00292.739	00292.764	
11	00380.209	00380.230	00380.277	00380.335	00380.379	00380.409	00380.424	
12	00293.967	00293.967	00293.989	00294.045	00294.131	00294.208	00294.269	
13	00370.553	00370.568	00370.609	00370.640	00370.649	11	0370.688	
14	00161.743	00161.785	00161.818	00161.859	00161.871	00161.879	00161.889	
15	00095.845	00095.880	00095.919	00095.954	00095.991	00096.004	00096.018	
16	00089.771	00089.813	00089.851	00089.893	00089.932	00089.943	00089.956	
17	00102.301	00102.326	00102.379	00102.384	00102.397	00102.437	00102.547	
18	01437.500	01437.503	—	01437.528	01437.575	01437.617	01437.645	
19	00570.463	00570.539	00570.619	00570.698	00570.732	00570.762	00570.856	
20	00238.805	00238.851	00238.903	00238.960	00239.009	00239.025	00239.048	
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23			Junes 16 de octubre					
24			Sábado 17 de Septiembre					
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

16 - Septiembre - 2017

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
16-10	12:00 PM	1:00 PM	6:00 PM				
1	00181.293	00181.366	00181.381				
2	00216.651	00216.669	11				
3	00227.699	00227.744	00227.778				
4	00212.199	00212.217	00212.222				
5	00239.472	00239.484	00239.495				
6	00049.993	00050.021	00050.033				
7	00139.972	000140.004	00140.045				
8	00249.375	00249.404	00249.410				
9	00215.279	00215.295	00215.305				
10	00292.841	00292.873	00292.907				
11	00380.482	00380.500	00380.515				
12	00294.326	00294.368	00294.369				
13	00370.701	00370.711	00370.711				
14	00161.919	00161.942	00161.961				
15	00096.018	00096.030	00096.070				
16	00089.963	00089.974	00090.006				
17	00102.564	00102.580	00102.590				
18	01437.680	01437.708	01437.738				
19	00570.859	00570.988	00571.041				
20	00239.058	00239.069	00239.110				
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

17 de octubre del 2017

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
17-10	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM
1	00181.401	00181.505	00181.634	00181.662	00181.670	—	00181.670
2	00216.669	00216.692	00216.767	00216.727	00216.742	00216.841	00216.954
3	00227.788	00227.826	00227.884	00227.923	00227.921	—	"
4	00212.222	00212.240	00212.258	00212.283	00212.308	00212.324	00212.339
5	00239.499	00239.528	00239.571	00239.611	00239.645	00239.673	00239.683
6	00050.033	00050.047	00050.067	00050.091	00050.091	—	0050.109
7	00140.045	00140.058	00140.090	140.090	"	"	00140.105
8	00249.411	"	"	00249.426	00249.452	00249.475	00249.490
9	00215.311	00215.334	00215.374	00215.412	00215.440	00215.470	00215.502
10	00292.907	00293.011	00293.129	00293.129	00293.178	00293.228	00293.341
11	00380.525	00380.549	00380.650	00380.657	00380.682	00380.701	00380.789
12	00294.369	00294.398	00294.437	00294.475	00294.484	00294.521	.552
13	00370.711	00370.721	00370.730	00370.756	00370.756	"	"
14	00161.972	00162.001	00162.043	00162.096	00162.152	00162.194	00162.226
15	00096.070	00096.091	00096.129	00096.147	00096.169	00096.169	"
16	00090.006	00090.019	00090.032	00090.066	"	"	00090.084
17	00102.595	00102.624	00102.668	00102.713	00102.759	"	.799
18	01437.738	01437.764	01437.782	01437.817	01437.851	01437.854	.881
19	00571.044	00571.076	00571.112	00571.198	00571.276	00571.285	00571.344
20	00239.110	00239.133	00239.155	00239.221	00239.230	00239.256	.291
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
17-10	12:00 PM	08:00 PM	6:00 PM				
1	00181.670	00181.679	00181.703				
2	00207.089	00217.206	00207.266				
3	00227.971	"	00227.992				
4	00212.353	00212.365	00212.370				
5	00239.710	00239.715	00239.724				
6	00050.157	00050.162	00050.171				
7	00140.126	"	00140.175				
8	00249.126	00249.526	00249.541				
9	00215.503	00215.538	00215.552				
10	00293.357	00293.572	00293.591				
11	00380.789	00380.814	00380.827				
12	00294.564	00294.611	00294.678				
13	00370.800	00370.829	00370.844				
14	00162.253	00162.279	00162.297				
15	00096.169	00096.179	00096.179				
16	00090.122	"	00090.136				
17	00102.817	00102.822	00102.831				
18	01437.912	01437.917	01437.926				
19	00571.414	00571.438	00571.458				
20	00239.327	00239.346	00239.351				
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

VIERNES 10 de NOVIEMBRE DEL 2017

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
10-11	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM
1	188.725	188.743	188.771	188.823	188.834	"	"
2	222.391	222.418	222.468	222.474	—	222.474	222.475
3	235.68	235.718	235.767	235.874	"	"	"
4	214.218	214.269	214.301	214.341	—	214.356	214.369
5	245.408	245.511	245.562	245.567	245.585	"	"
6	54.503	54.530	54.587	54.677	54.705	54.707	54.724
7	144.771	144.812	144.855	144.894	144.894	"	"
8	252.060	252.060	"	252.127	"	"	"
9	222.239	222.246	222.292	222.319	222.350	"	222.362
10	311.640	311.805	311.864	311.881	311.943	312.017	312.043
11	387.568	387.596	387.596	387.649	387.649	"	387.709
12	305.277	305.293	305.349	305.531	305.543	305.551	305.597
13	378.551	378.632	378.671	378.707	378.707	378.755	378.813
14	167.997	168.015	168.049	168.056	168.101	"	168.105
15	102.041	102.061	102.075	102.085	102.186	102.231	102.256
16	94.470	94.470	94.489	94.505	94.512	94.521	94.530
17	111.981	111.567	111.697	111.704	111.704	"	111.725
18	1444.608	1444.567	1444.697	1444.793	1444.798	1444.803	1444.809
19	588.211	588.425	588.445	588.480	588.531	588.579	588.579
20	246.385	246.387	246.487	246.517	246.559	246.681	246.748
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

VIERNES 10 DE NOVIEMBRE DEL 2017

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
10-11	12:00 AM	13:00 AM	6:00 PM				
1	188.913	188.913	188.958				
2	222.475	"	222.478				
3	235.874	"	235.875				
4	214.383	"	214.388				
5	245.594	"	245.601				
6	54.762	54.781	54.790				
7	144.894	144.894	144.894				
8	252.127	"	"				
9	222.385	222.397	222.472				
10	312.851	312.139	312.143				
11	387.713	387.756	387.822				
12	305.611	305.672	305.804				
13	378.860	378.877	378.890				
14	168.105	168.108	168.132				
15	102.293	102.310	102.329				
16	94.530	94.530	94.533				
17	111.725	111.734	111.735				
18	1444.844	1444.846	1444.926				
19	588.648	588.648	"				
20	246.870	246.870	246.870				
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

18- octubre - 2017

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
18-10	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM
1	00181.717	00181.786	00181.865	00181.955	00182.027	00182.049	00182.089
2	00217.287	00217.326	00217.395	00217.460	00217.523	00217.561	00217.616
3	00227.992	00228.005	00228.026	00228.048	00228.048	00228.048	00228.065
4	00212.374	00212.386	00212.406	00212.426	00212.426	11	11
5	00050.176	00050.203	00050.241	00050.277	00050.287	00050.315	00050.344
6	00140.175	00140.193	00140.224	00140.283	00140.359	00140.411	00140.457
7	00249.541	00249.541	11	11	11	11	11
8-09	00215.552	00215.555	00215.560	00215.565	00215.565	00215.664	00215.724
9-10	00293.606	00293.687	00293.832	00293.969	00294.021	00294.032	00294.069
10-11	00380.832	00380.870	00380.910	00380.960	00381.010	00381.043	00381.075
11-12	00294.709	00294.792	00294.890	00295.023	00295.146	00295.230	00295.298
12-13	00370.844	00370.862	00370.885	00370.907	00370.907	11	00370.925
13-14	00162.335	00162.402	00162.469	00162.559	00162.649	00162.715	00162.770
14-15	00096.174	00096.217	00096.255	00096.309	00096.358	00096.392	00096.422
15-16	00090.144	00090.170	00090.217	00090.257	00090.269	00090.305	00090.339
16-17	00102.831	00102.878	00102.949	00103.002	00103.018	00103.067	00103.116
17-18	01437.926	01437.955	01437.985	01438.027	01438.070	01438.099	01438.123
18-19	00571.469	00571.542	00571.644	00571.753	00571.844	00571.871	00571.925
19-20	00239.351	00239.361	00239.377	00239.390	00239.399	00239.408	00239.408
20-8	00249.541	00249.541	11	11	—	—	00249.541
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

18 - octubre - 2007

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
18-10	12:00 PM	1:00 PM	6:00 PM				
1	00182.102	00182.128	00182.183				
2	00217.683	00217.766	00217.792				
3	00228.201	00228.301	00228.326				
4	00212.452	00212.481	00212.508				
5	00239.883	11	00239.885				
6	00050.354	00050.360	00050.360				
7	00140.473	00140.481	11				
8	00215.772	00215.807	00215.821				
9	00294.098	00294.255	00294.327				
10	00381.102	00381.127	00381.141				
11	00295.358	00295.429	00295.487				
12	00370.931	00370.938	00370.958				
13	00162.820	00162.864	00162.872				
14	00096.451	00096.479	00096.489				
15	00090.349	00090.351	00090.351				
16	00103.132	00103.139	4				
17	01438.132	01438.166	01438.173				
18	00571.944	00571.980	00572.028				
19	00239.449	00239.497	00239.540				
20	00249.581	00249.645	00249.661				
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

22 de octubre del 2017

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
22-10	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM
1	182.826	182.839	182.863	182.877	182.892	182.913	182.949
2	218.322	218.328	218.334	218.345	218.381	218.416	218.445
3	229.183	229.215	229.279	229.346	229.403	229.448	229.471
4	212.712	212.718	212.721	212.728	212.737	212.760	212.776
5	240.731	240.792	240.807	240.824	240.864	240.903	240.944
6	50.934	50.951	50.959	50.970	50.998	51.030	51.061
7	140.861	140.898	140.931	140.958	140.988	140.980	140.995
8	249.875	249.883	249.886	249.890	249.917	249.943	249.963
9	216.595	216.622	216.717	216.744	216.758	216.760	216.809
10	297.089	297.199	297.400	297.633	297.796	297.910	297.989
11	382.717	382.717	382.722	382.770	382.852	382.932	382.993
12	296.581	296.642	296.754	296.824	296.840	296.844	296.918
13	371.555	371.560	371.578	371.599	371.654	371.695	371.708
14	163.666	163.709	163.790	163.837	163.849	163.853	163.903
15	97.373	97.403	97.419	97.440	97.486	97.535	97.584
16	91.025	91.036	91.037	91.042	91.055	91.082	91.132
17	104.229	104.243	104.285	104.339	104.439	104.508	104.529
18	1439.036	1439.053	1439.097	1439.161	1439.227	1439.359	1439.381
19	574.083	574.108	574.111	574.113	574.144	574.264	574.415
20	240.464	240.532	240.617	240.702	240.780	240.782	240.760
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

28 de octubre del 2017

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
2240	12:00 pm	1:00 pm	6:00 pm				
1	183.004	183.067	183.112				
2	218.465	218.476	218.502				
3	229.537	229.556	229.602				
4	212.789	212.797	212.836				
5	240.974	240.999	241.039				
6	51.084	51.100	51.137				
7	141.034	141.040	141.082				
8	249.976	249.983	250.009				
9	216.829	216.840	216.878				
10	298.195	298.272	298.382				
11	383.039	383.073	383.106				
12	296.949	296.969	297.011				
13	371.715	371.716	371.741				
14	163.923	163.938	163.978				
15	97.622	97.652	97.688				
16	91.179	91.229	91.279				
17	104.547	104.563	104.591				
18	1439.402	1439.403	1439.428				
19	574.566	574.728	574.809				
20	240.814	240.846	240.894				
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23		Censo 22 de octubre					
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

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03-11-2017

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
03-11	12:00 pm	1:00 pm	6:00 pm				
1	186.717	"	186.724				
2	221.533	221.533	221.557				
3	233.775	"	233.803				
4	213.786	213.790	213.797				
5	243.834	243.992	243.996				
6	53.422	53.445	"				
7	143.471	143.479	143.482				
8	251.358	"	"				
9	219.397	219.416	"				
10	307.557	307.627	307.692				
11	385.921	"	385.924				
12	301.616	301.666	301.686				
13	374.416	374.449	374.476				
14	166.327	166.368	166.391				
15	100.792	100.796	100.796				
16	93.815	"	"				
17	109.238	109.251	"				
18	1442.786	1442.805	1442.820				
19	582.564	582.626	582.709				
20	244.174	244.208	244.233				
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

03 - 11 - 2017

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
03-11	5:00 AM	6:00 AM	7:00 AM	8:00 AM	9:00 AM	10:00 AM	11:00 AM
1	186.572	186.594	186.651	186.671	"	186.671	186.671
2	221.430	221.457	221.530	—	"	"	221.530
3	233.448	233.560	233.684	233.718	233.727	233.752	233.775
4	213.730	213.739	213.765	213.770	213.777	"	"
5	243.638	243.697	243.780	243.795	243.815	243.819	243.834
6	53.250	53.268	53.296	53.358	53.396	53.422	"
7	143.367	143.367	143.419	143.455	143.455	"	"
8	251.316	251.316	251.328	251.340	251.358	251.358	"
9	219.252	219.280	219.297	219.297	219.372	"	219.397
10	307.084	307.116	307.236	307.383	307.464	"	307.497
11	385.761	385.832	385.881	385.893	385.913	—	—
12	301.220	301.269	301.325	301.405	301.480	301.527	301.573
13	374.073	374.120	374.169	374.234	374.300	374.346	374.381
14	166.021	166.058	166.104	166.162	166.225	166.258	166.296
15	100.661	100.699	100.736	"	100.753	—	100.768
16	93.747	93.772	93.793	93.815	—	"	"
17	108.848	108.938	109.009	109.072	109.134		
18	1442.503	1442.532	1442.581	1442.640	1442.682	1442.716	1442.734
19	582.004	582.058	582.114	582.151	582.246	582.364	582.467
20	243.922	243.980	244.027	244.086	244.099	244.111	244.131
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Viernes 03 de noviembre del 2017



FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

Lunes 16 de Octubre

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
	5:00	6:00	7:00	8:00	9:00	10:00	12:00
21	213.082	213.098	213.116	213.134	213.151	213.156	213.161
22	2675.566	2675.626	2675.719	2675.838	2675.916	2675.972	2676.001
23	298.717	298.743	298.771	298.806	298.841	298.866	298.884
24	244.357	244.357	244.365	244.390	244.424	244.454	244.477
25	174.485	174.513	174.558	174.594	174.602	174.603	174.630
26	212.283	212.305	212.329	212.352	212.360	212.371	212.399
27	503.650	503.680	503.726	503.763	503.773	503.774	503.802
28	1234.256	1234.256	1234.256	1234.273	1234.304	1234.351	1234.399
29	153.786	153.861	153.931	154.012	154.083	154.106	154.139
30	274.285	274.342	274.412	274.587	274.648	274.698	274.
31	264.328	264.357	264.408	264.515	264.543	264.561	264.
32	64.499	64.518	64.535	64.554	64.571	64.577	64.582
33	43.037	43.045	43.069	43.099	43.122	43.139	43.147
34	257.395	257.402	257.406	257.409	257.415	257.447	257.484
35	1699.710	1699.711	1699.711	1699.736	1699.788	1699.865	1699.944
36	1874.854	1874.863	1874.872	1874.882	1874.891	1874.952	1875.022
37	2324.021	2324.086	2324.147	2324.217	2324.282	2324.299	2324.324
38	609.583	609.656	609.724	609.792	609.817	609.842	609.904
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
	12:00	13:00	18:00				
21	213.164	213.169	213.185				
22	2676.102	2676.144	2676.199				
23	298.900	298.919	298.925				
24	244.500	244.511	244.511				
25	174.644	174.654	174.666				
26	212.401	212.439	212.451				
27	503.817	503.828	503.838				
28	1234.431	1234.463	1234.483				
29	154.144	154.166	154.231				
30	274.744	274.787	274.809				
31	264.615	264.637	264.657				
32	64.583	64.588	64.607				
33	43.177	43.198	43.198				
34	275.526	275.567	275.588				
35	1699.999	1700.053	1700.087				
36	1875.101	1875.178	1875.213				
37	2324.333	2324.355	2324.429				
38	609.906	609.951	609.964				
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

Martes 17 de Octubre

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
	5:00	6:00	7:00	8:00	9:00	10:00	11:00
21	213.185	213.203	213.222	213.246	213.269	213.287	213.302
22	2676.215	2676.285	2676.381	2676.512	2676.645	2676.731	2676.797
23	298.925	298.950	298.985	299.029	299.076	299.079	299.115
24	244.511	244.511	244.519	244.551	244.592	244.629	244.659
25	174.668	174.671	174.702	174.737	174.772	174.775	174.802
26	212.451	212.451	212.452	212.452	212.471	212.471	212.489
27	503.828	503.852	503.878	503.904	503.904	503.904	503.925
28	1234.503	1234.584	1234.652	1234.676	1234.681	1234.681	1234.681
29	154.231	154.278	154.324	154.346	154.363	154.363	154.363
30	274.809	274.880	274.973	275.067	275.133	275.213	275.243
31	264.667	264.858	264.932	264.981	265.029	265.034	265.037
32	64.607	64.639	64.692	64.692	64.692	64.692	64.692
33	43.198	43.198	43.202	43.219	43.240	43.259	43.274
34	275.588	275.595	275.599	275.602	278.608	278.638	278.674
35	1700.089	1700.214	1700.268	1700.410	1700.435	1700.491	1700.568
36	1875.213	1875.226	1875.270	1875.363	1875.363	1875.399	1875.452
37	2324.434	2324.446	2324.454	2324.463	2324.475	2324.540	2324.616
38	608.964	610.012	610.060	610.124	610.193	610.241	610.282
39	1028.331	1028.343	1028.355	1028.372	1028.388	1028.399	1028.409
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

17 - octubre

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
	12:00	13:00	18:00				
21	213.315	213.327	213.332				
22	2676.866	2676.839	2676.976				
23	299.147	299.149	299.161				
24	244.685	244.706	244.712				
25	174.832	174.832	174.845				
26	212.493	212.523	212.523				
27	503.973	503.973	503.986				
28	1234.681	1234.681	1234.681				
29	154.365	154.392	154.392				
30	275.298	275.292	274.292				
31	265.042	265.042	265.050				
32	64.692	64.707	64.717				
33	43.288	43.298	43.299				
34	275.713	275.749	275.765				
35	1700.579	1700.588	1700.588				
36	1875.539	1875.584	1875.687				
37	2324.708	2324.789	2324.830				
38	610.320	610.354	610.372				
39	1028.417	1028.426	1028.429				
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

MIERCOLES 18 DE OCTUBRE

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
	5:00	6:00	7:00	8:00	9:00	10:00	11:00
21	213.342	213.348	213.353	213.356	213.361	213.386	213.413
22	2676.976	2677.082	2677.257	2677.384	2677.414	2677.414	2677.515
23	299.169	299.204	299.252	299.294	299.305	299.341	299.373
24	244.715	244.731	244.752	244.781	244.811	244.831	244.848
25	174.863	174.895	174.930	174.979	175.028	175.063	175.089
26	212.532	212.547	212.547	212.547	212.601	212.612	212.612
27	503.986	504.012	504.049	504.084	504.093	504.122	504.148
28	1234.681	1234.706	1234.780	1234.802	1234.817	1234.828	1234.828
29	154.398	154.426	154.435	154.487	154.500	154.500	154.500
30	275.292	275.329	275.369	275.421	275.472	275.506	275.537
31	265.050	265.050	265.050	265.082	265.136	265.226	265.255
32	64.717	64.717	64.717	64.717	64.717	64.717	64.732
33	43.299	43.299	43.299	43.318	43.359	43.396	43.417
34	275.767	275.779	275.802	275.831	275.850	275.867	275.875
35	1700.589	1700.592	1700.610	1700.629	1700.643	1700.874	1700.704
36	1875.687	1875.687	1875.723	1875.723	1875.732	1875.731	1875.769
37	2324.830	2324.847	2324.886	2324.947	2325.029	2325.082	2325.136
38	610.392	610.423	610.432	610.439	610.489	610.484	610.612
39	1028.429	1028.432	1028.434	1028.436	1028.439	1028.453	1028.469
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FORMATO DE CONTROL DE CONSUMO DE AGUA POR HORAS

18 de octubre

Nº	HORA	HORA	HORA	HORA	HORA	HORA	HORA
	12:00	13:00	18:00				
21	213.444	213.474	213.486				
22	2677.567	2677.611	2677.660				
23	299.384	299.388	299.388				
24	244.863	244.879	244.885				
25	175.111	175.136	175.152				
26	212.628	212.644	212.649				
27	504.156	504.163	504.163				
28	1234.839	1234.839	1234.840				
29	154.538	154.538	154.582				
30	275.563	275.590	275.600				
31	265.288	265.288	265.296				
32	64.790	64.790	64.816				
33	43.445	43.470	43.498				
34	275.900	275.920	275.920				
35	1700.753	1700.799	1700.853				
36	1875.909	1876.003	1876.033				
37	2325.151	2325.158	2325.158				
38	610.685	610.486	610.597				
39	1028.488	1028.506	1028.513				
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ANEXO D.2. REGISTRO DE CONTROL DE LECTURAS HORARIAS POR VIVIENDA

	<p>UNIVERSIDAD NACIONAL DEL ALTIPLANO FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA</p> <p>ESCUELA PROFESIONAL DE INGENIERIA CIVIL PROYECTO DE INVESTIGACION "EVALUACION DE LA DOTACION DE AGUA POTABLE PARA SALTADO-PUNO (2017)"</p> <p>REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO LUNES 16 DE OCTUBRE DEL 2017</p>	
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CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	181.063	181.113	181.159	181.206	181.222	181.238	181.293	181.293	181.366	181.381
2	Aziruni III etp. A	Mz. P Lt 03	4	216.471	216.501	216.550	216.588	216.596	216.625	216.635	216.651	216.669	216.669
3	Aziruni III etp. A	Mz. J Lt 07	4	227.367	227.444	227.506	227.587	227.605	227.621	227.640	227.699	227.744	227.778
4	Aziruni III etp. A	Mz. k Lt 11	2	212.074	212.101	212.129	212.155	212.165	212.173	212.198	212.199	212.217	212.222
5	Aziruni III etp. A	Mz. J Lt 01	4	239.308	239.324	239.351	239.387	239.413	239.431	239.442	239.472	239.484	239.495
6	Aziruni III etp. A	Mz. D Lt 10	3	49.805	49.844	49.887	49.923	49.942	49.953	49.990	49.993	50.021	50.033
7	Aziruni III etp. A	Mz. C' Lt 03	5	139.817	139.860	139.893	139.937	139.948	139.961	139.972	140.004	140.029	140.045
8	Aziruni III etp. A	Mz. H Lt 01	2	249.277	249.295	249.313	249.333	249.340	249.349	249.372	249.373	249.404	249.410
9	Aziruni III etp. A	Mz. F Lt 02	4	215.048	215.088	215.152	215.201	215.216	215.217	215.258	215.279	215.295	215.305
10	Aziruni III etp. A	Mz. G Lt 10	8	292.414	292.456	292.532	292.630	292.693	292.739	292.764	292.841	292.873	292.907
11	Aziruni III etp. A	Mz. G Lt 09	4	380.209	380.230	380.277	380.335	380.379	380.409	380.424	380.482	380.500	380.515
12	Aziruni III etp. A	Mz. Y Lt 26	5	293.967	293.967	293.984	294.045	294.131	294.208	294.269	294.326	294.368	294.369
13	Aziruni III etp. A	Mz. Y Lt 25	3	370.553	370.568	370.609	370.640	370.649	370.649	370.688	370.701	370.711	370.711
14	Aziruni I Etapa	Mz. 19 Lt 27	3	161.743	161.785	161.818	161.859	161.871	161.879	161.889	161.919	161.942	161.961
15	Aziruni I Etapa	Mz. 19 Lt 28	3	95.845	95.880	95.919	95.954	95.991	96.004	96.018	96.018	96.030	96.070
16	Aziruni II Etapa	Mz. A Lt 34	3	89.771	89.813	89.851	89.893	89.932	89.943	89.956	89.963	89.974	90.006
17	Aziruni II Etapa	Mz. A Lt 11	5	102.301	102.326	102.379	102.384	102.397	102.437	102.542	102.564	102.580	102.590
18	Aziruni II Etapa	Mz. A Lt 14	4	1437.500	1437.503	1437.503	1437.528	1437.575	1437.617	1437.645	1437.680	1437.708	1437.738
19	Aziruni III etp. A	Mz. P Lt 12	8	570.463	570.539	570.619	570.698	570.732	570.762	570.856	570.859	570.988	571.041
20	Aziruni III etp. A	Mz. I Lt 07	4	238.805	238.851	238.903	238.960	239.009	239.025	239.048	239.053	239.069	239.110
21	Aziruni III etp. A	Mz. L Lt 09	2	213.082	213.098	213.116	213.134	213.151	213.156	213.161	213.164	213.169	213.185
22	Aziruni III etp. B	Mz. P Lt 01	13	2675.566	2675.626	2675.719	2675.838	2675.916	2675.972	2676.001	2676.102	2676.144	2676.199
23	Aziruni II Etapa	Mz. C Lt 50	5	298.717	298.743	298.771	298.806	298.841	298.866	298.884	298.900	298.919	298.925
24	Aziruni II Etapa	Mz. C Lt 47	3	244.357	244.357	244.365	244.390	244.424	244.454	244.477	244.500	244.511	244.511
25	Aziruni II Etapa	Mz. B Lt 03	4	174.485	174.513	174.558	174.594	174.602	174.603	174.630	174.644	174.654	174.666
26	Aziruni II Etapa	Mz. B Lt 14-b	3	212.283	212.305	212.329	212.352	212.360	212.371	212.399	212.401	212.439	212.451
27	Aziruni II Etapa	Mz. B Lt 13	3	503.650	503.680	503.726	503.763	503.773	503.774	503.802	503.817	503.828	503.838

ANEXO D.2. REGISTRO DE CONTROL DE LECTURAS HORARIAS POR VIVIENDA

				<p align="center">UNIVERSIDAD NACIONAL DEL ALTIPLANO FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA</p> <p align="center">ESCUELA PROFESIONAL DE INGENIERIA CIVIL PROYECTO DE INVESTIGACION "EVALUACION DE LA DOTACION DE AGUA POTABLE PARA SANCEDO-PUNO (2017)"</p> <p align="center">REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO LUNES 16 DE OCTUBRE DEL 2017</p>									
CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
28	Aziruni II Etapa	Mz. B Lt 15	3	1234.256	1234.256	1234.256	1234.273	1234.304	1234.351	1234.399	1234.431	1234.463	1234.483
29	Aziruni II Etapa	Mz. B Lt 16	6	153.786	153.861	153.931	154.012	154.083	154.106	154.139	154.144	154.166	154.231
30	Aziruni II Etapa	Mz. J Lt 05	7	274.285	274.342	274.412	274.502	274.587	274.648	274.698	274.744	274.787	274.809
31	Aziruni II Etapa	Mz. J Lt 03	6	264.328	264.357	264.408	264.472	264.515	264.543	264.561	264.615	264.637	264.657
32	Aziruni I Etapa	Mz. 13 Lt 27	2	64.499	64.518	64.535	64.554	64.571	64.577	64.582	64.583	64.588	64.607
33	Aziruni I Etapa	Mz. 11 Lt 06	3	43.037	43.045	43.069	43.099	43.122	43.139	43.147	43.177	43.198	43.198
34	Aziruni I Etapa	Mz. 20 Lt 01	3	275.395	275.402	275.406	275.409	275.415	275.447	275.484	275.526	275.567	275.588
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1699.710	1699.711	1699.711	1699.736	1699.788	1699.865	1699.944	1699.999	1700.053	1700.087
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1874.854	1874.863	1874.872	1874.882	1874.891	1874.952	1875.022	1875.101	1875.178	1875.213
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2324.021	2324.086	2324.147	2324.217	2324.282	2324.299	2324.324	2324.333	2324.355	2324.429
38	Aziruni II Etapa	Mz. I Lt 10	5	609.583	609.656	609.724	609.792	609.817	609.842	609.904	609.906	609.951	609.964



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MARTES 17 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	181.401	181.505	181.634	181.662	181.670	181.670	181.670	181.670	181.679	181.703
2	Aziruni III etp. A	Mz. P Lt 03	4	216.669	216.692	216.707	216.727	216.742	216.841	216.954	217.089	217.206	217.266
3	Aziruni III etp. A	Mz. J Lt 07	4	227.788	227.826	227.884	227.923	227.971	227.971	227.971	227.971	227.971	227.992
4	Aziruni III etp. A	Mz. k Lt 11	2	212.222	212.240	212.258	212.283	212.308	212.324	212.339	212.353	212.365	212.370
5	Aziruni III etp. A	Mz. J Lt 01	4	239.499	239.528	239.571	239.611	239.645	239.673	239.683	239.710	239.715	239.724
6	Aziruni III etp. A	Mz. D Lt 10	3	50.033	50.047	50.067	50.091	50.091	50.091	50.109	50.157	50.162	50.171
7	Aziruni III etp. A	Mz. C' Lt 03	5	140.045	140.058	140.090	140.090	140.090	140.090	140.105	140.126	140.126	140.175
8	Aziruni III etp. A	Mz. H Lt 01	2	249.411	249.411	249.411	249.426	249.452	249.475	249.490	249.510	249.526	249.541
9	Aziruni III etp. A	Mz. F Lt 02	4	215.311	215.334	215.374	215.412	215.440	215.470	215.502	215.503	215.538	215.552
10	Aziruni III etp. A	Mz. G Lt 10	8	292.907	293.011	293.129	293.178	293.228	293.273	293.341	293.357	293.572	293.591
11	Aziruni III etp. A	Mz. G Lt 09	4	380.525	380.549	380.650	380.657	380.682	380.701	380.739	380.789	380.814	380.827
12	Aziruni III etp. A	Mz. Y Lt 26	5	294.369	294.398	294.437	294.475	294.484	294.521	294.552	294.564	294.611	294.678
13	Aziruni III etp. A	Mz. Y Lt 25	3	370.711	370.721	370.730	370.756	370.756	370.756	370.756	370.800	370.829	370.844
14	Aziruni I Etapa	Mz. 19 Lt 27	3	161.972	162.001	162.043	162.096	162.152	162.194	162.226	162.253	162.279	162.297
15	Aziruni I Etapa	Mz. 19 Lt 28	3	96.070	96.091	96.129	96.147	96.169	96.169	96.169	96.169	96.179	96.179
16	Aziruni II Etapa	Mz. A Lt 34	3	90.006	90.019	90.032	90.066	90.066	90.066	90.084	90.122	90.122	90.136
17	Aziruni II Etapa	Mz. A Lt 11	5	102.595	102.624	102.668	102.713	102.759	102.759	102.794	102.817	102.822	102.831
18	Aziruni II Etapa	Mz. A Lt 14	4	1437.738	1437.764	1437.782	1437.817	1437.851	1437.854	1437.881	1437.912	1437.917	1437.926
19	Aziruni III etp. A	Mz. P Lt 12	8	571.049	571.076	571.122	571.198	571.276	571.285	571.344	571.414	571.438	571.458
20	Aziruni III etp. A	Mz. I Lt 07	4	239.110	239.133	239.155	239.221	239.230	239.256	239.291	239.327	239.346	239.351
21	Aziruni III etp. A	Mz. L Lt 09	2	213.185	213.203	213.222	213.246	213.269	213.287	213.302	213.315	213.327	213.332
22	Aziruni III etp. B	Mz. P Lt 01	13	2676.215	2676.285	2676.381	2676.512	2676.645	2676.731	2676.797	2676.866	2676.939	2676.976
23	Aziruni II Etapa	Mz. C Lt 50	5	298.925	298.950	298.985	299.029	299.076	299.079	299.115	299.147	299.149	299.161
24	Aziruni II Etapa	Mz. C Lt 47	3	244.511	244.511	244.519	244.551	244.592	244.629	244.659	244.685	244.706	244.712



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MARTES 17 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	174.668	174.671	174.702	174.737	174.772	174.775	174.802	174.832	174.832	174.845
26	Aziruni II Etapa	Mz. B Lt 14-b	3	212.451	212.451	212.452	212.452	212.471	212.471	212.489	212.493	212.523	212.523
27	Aziruni II Etapa	Mz. B Lt 13	3	503.838	503.852	503.878	503.904	503.904	503.904	503.925	503.973	503.973	503.986
28	Aziruni II Etapa	Mz. B Lt 15	3	1234.503	1234.584	1234.652	1234.676	1234.681	1234.681	1234.681	1234.681	1234.681	1234.681
29	Aziruni II Etapa	Mz. B Lt 16	6	154.231	154.278	154.334	154.346	154.363	154.363	154.363	154.365	154.392	154.392
30	Aziruni II Etapa	Mz. J Lt 05	7	274.809	274.880	274.973	275.067	275.133	275.213	275.243	275.278	275.292	275.292
31	Aziruni II Etapa	Mz. J Lt 03	6	264.667	264.858	264.932	264.981	265.029	265.034	265.037	265.042	265.042	265.050
32	Aziruni I Etapa	Mz. 13 Lt 27	2	64.607	64.639	64.692	64.692	64.692	64.692	64.692	64.692	64.707	64.717
33	Aziruni I Etapa	Mz. 11 Lt 06	3	43.198	43.198	43.202	43.219	43.240	43.259	43.274	43.288	43.298	43.299
34	Aziruni I Etapa	Mz. 20 Lt 01	3	275.588	275.595	275.599	275.602	275.608	275.638	275.674	275.713	275.749	275.765
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1700.089	1700.214	1700.268	1700.410	1700.435	1700.491	1700.568	1700.579	1700.588	1700.588
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1875.213	1875.236	1875.270	1875.363	1875.363	1875.399	1875.452	1875.539	1875.584	1875.687
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2324.434	2324.446	2324.454	2324.463	2324.475	2324.540	2324.616	2324.703	2324.789	2324.830
38	Aziruni II Etapa	Mz. I Lt 10	5	609.964	610.012	610.060	610.129	610.193	610.241	610.282	610.320	610.354	610.372
39	Aziruni II Etapa	Mz. I Lt 14	2	1028.331	1028.343	1028.355	1028.372	1028.388	1028.399	1028.409	1028.417	1028.426	1028.429



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MIÉRCOLES 18 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	181.717	181.786	181.865	181.955	182.027	182.049	182.089	182.102	182.128	182.183
2	Aziruni III etp. A	Mz. P Lt 03	4	217.287	217.326	217.395	217.460	217.523	217.561	217.616	217.683	217.766	217.792
3	Aziruni III etp. A	Mz. J Lt 07	4	227.992	228.005	228.026	228.048	228.048	228.048	228.065	228.201	228.301	228.326
4	Aziruni III etp. A	Mz. k Lt 11	2	212.374	212.386	212.406	212.421	212.421	212.421	212.421	212.452	212.481	212.508
5	Aziruni III etp. A	Mz. J Lt 01	4	239.745	239.780	239.827	239.883	239.883	239.883	239.883	239.883	239.883	239.885
6	Aziruni III etp. A	Mz. D Lt 10	3	50.176	50.203	50.241	50.277	50.287	50.315	50.344	50.354	50.360	50.360
7	Aziruni III etp. A	Mz. C' Lt 03	5	140.175	140.193	140.224	140.283	140.359	140.411	140.457	140.473	140.481	140.481
8	Aziruni III etp. A	Mz. H Lt 01	2	249.541	249.541	249.541	249.541	249.541	249.541	249.541	249.581	249.645	249.661
9	Aziruni III etp. A	Mz. F Lt 02	4	215.552	215.555	215.560	215.564	215.595	215.664	215.724	215.772	215.807	215.821
10	Aziruni III etp. A	Mz. G Lt 10	8	293.606	293.687	293.832	293.969	294.021	294.032	294.069	294.098	294.255	294.327
11	Aziruni III etp. A	Mz. G Lt 09	4	380.832	380.870	380.910	380.960	381.010	381.043	381.075	381.102	381.127	381.141
12	Aziruni III etp. A	Mz. Y Lt 26	5	294.709	294.792	294.890	295.023	295.146	295.230	295.298	295.358	295.429	295.487
13	Aziruni III etp. A	Mz. Y Lt 25	3	370.844	370.862	370.885	370.907	370.907	370.907	370.925	370.931	370.938	370.958
14	Aziruni I Etapa	Mz. 19 Lt 27	3	162.335	162.402	162.469	162.559	162.649	162.715	162.770	162.820	162.864	162.872
15	Aziruni I Etapa	Mz. 19 Lt 28	3	96.179	96.217	96.255	96.309	96.358	96.392	96.422	96.451	96.479	96.489
16	Aziruni II Etapa	Mz. A Lt 34	3	90.144	90.170	90.217	90.257	90.269	90.305	90.339	90.349	90.351	90.351
17	Aziruni II Etapa	Mz. A Lt 11	5	102.831	102.878	102.944	103.002	103.018	103.067	103.116	103.132	103.139	103.139
18	Aziruni II Etapa	Mz. A Lt 14	4	1437.926	1437.955	1437.985	1438.027	1438.070	1438.099	1438.123	1438.144	1438.166	1438.173
19	Aziruni III etp. A	Mz. P Lt 12	8	571.469	571.542	571.644	571.753	571.844	571.871	571.925	571.944	571.980	572.028
20	Aziruni III etp. A	Mz. I Lt 07	4	239.351	239.361	239.377	239.390	239.390	239.399	239.408	239.449	239.497	239.540
21	Aziruni III etp. A	Mz. L Lt 09	2	213.342	213.348	213.353	213.356	213.361	213.386	213.413	213.444	213.474	213.486
22	Aziruni III etp. B	Mz. P Lt 01	13	2676.976	2677.082	2677.257	2677.384	2677.414	2677.414	2677.515	2677.567	2677.611	2677.660
23	Aziruni II Etapa	Mz. C Lt 50	5	299.169	299.204	299.252	299.294	299.305	299.341	299.373	299.384	299.388	299.388
24	Aziruni II Etapa	Mz. C Lt 47	3	244.715	244.731	244.752	244.781	244.811	244.831	244.848	244.863	244.879	244.885



UNIVERSIDAD NACIONAL DEL ALTIPLANO
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ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MIÉRCOLES 18 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	174.863	174.895	174.930	174.979	175.028	175.063	175.089	175.111	175.136	175.152
26	Aziruni II Etapa	Mz. B Lt 14-b	3	212.532	212.547	212.547	212.547	212.601	212.612	212.612	212.628	212.644	212.649
27	Aziruni II Etapa	Mz. B Lt 13	3	503.986	504.012	504.049	504.084	504.093	504.122	504.148	504.156	504.163	504.163
28	Aziruni II Etapa	Mz. B Lt 15	3	1234.681	1234.706	1234.780	1234.802	1234.817	1234.828	1234.828	1234.839	1234.839	1234.840
29	Aziruni II Etapa	Mz. B Lt 16	6	154.398	154.426	154.435	154.487	154.500	154.500	154.500	154.538	154.538	154.582
30	Aziruni II Etapa	Mz. J Lt 05	7	275.292	275.329	275.369	275.421	275.472	275.506	275.537	275.563	275.590	275.600
31	Aziruni II Etapa	Mz. J Lt 03	6	265.050	265.050	265.050	265.082	265.136	265.226	265.255	265.288	265.288	265.296
32	Aziruni I Etapa	Mz. 13 Lt 27	2	64.717	64.717	64.717	64.717	64.717	64.717	64.732	64.790	64.790	64.816
33	Aziruni I Etapa	Mz. 11 Lt 06	3	43.299	43.299	43.299	43.318	43.359	43.396	43.417	43.445	43.470	43.498
34	Aziruni I Etapa	Mz. 20 Lt 01	3	275.767	275.779	275.802	275.831	275.850	275.867	275.875	275.900	275.920	275.920
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1700.589	1700.592	1700.610	1700.629	1700.643	1700.674	1700.704	1700.753	1700.799	1700.853
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1875.687	1875.687	1875.723	1875.723	1875.732	1875.731	1875.769	1875.909	1876.003	1876.033
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2324.830	2324.847	2324.886	2324.947	2325.029	2325.082	2325.136	2325.151	2325.158	2325.158
38	Aziruni II Etapa	Mz. I Lt 10	5	610.392	610.423	610.432	610.439	610.439	610.484	610.612	610.685	610.486	610.597
39	Aziruni II Etapa	Mz. I Lt 14	2	1028.429	1028.432	1028.434	1028.436	1028.439	1028.453	1028.469	1028.488	1028.506	1028.513



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
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**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

JUEVES 19 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	182.212	182.212	182.278	182.289	182.289	182.289	182.289	182.311	182.315	182.334
2	Aziruni III etp. A	Mz. P Lt 03	4	217.822	217.928	218.032	218.040	218.040	218.040	218.040	218.040	218.057	218.057
3	Aziruni III etp. A	Mz. J Lt 07	4	228.335	228.335	228.335	228.356	228.356	228.356	228.356	228.385	228.398	228.463
4	Aziruni III etp. A	Mz. k Lt 11	2	212.508	212.516	212.516	212.517	212.517	212.517	212.517	212.517	212.517	212.517
5	Aziruni III etp. A	Mz. J Lt 01	4	239.885	239.911	239.957	239.990	240.000	240.002	240.029	240.044	240.062	240.062
6	Aziruni III etp. A	Mz. D Lt 10	3	50.381	50.402	50.432	50.459	50.459	50.459	50.481	50.488	50.496	50.525
7	Aziruni III etp. A	Mz. C' Lt 03	5	140.481	140.508	140.510	140.511	140.511	140.511	140.511	140.511	140.511	140.511
8	Aziruni III etp. A	Mz. H Lt 01	2	249.661	249.667	249.667	249.670	249.670	249.670	249.670	249.677	249.683	249.683
9	Aziruni III etp. A	Mz. F Lt 02	4	215.821	215.839	215.921	215.936	215.963	216.000	216.040	216.040	216.076	216.094
10	Aziruni III etp. A	Mz. G Lt 10	8	294.346	294.457	294.632	294.697	294.757	294.841	294.928	294.971	295.008	295.018
11	Aziruni III etp. A	Mz. G Lt 09	4	381.150	381.198	381.218	381.290	381.412	381.581	381.780	381.780	381.951	382.049
12	Aziruni III etp. A	Mz. Y Lt 26	5	295.607	295.639	295.675	295.715	295.749	295.759	295.777	295.784	295.797	295.822
13	Aziruni III etp. A	Mz. Y Lt 25	3	370.965	370.983	370.991	371.012	371.035	371.060	371.086	371.106	371.127	371.135
14	Aziruni I Etapa	Mz. 19 Lt 27	3	162.994	162.994	163.016	163.040	163.040	163.040	163.040	163.040	163.041	163.094
15	Aziruni I Etapa	Mz. 19 Lt 28	3	96.622	96.751	96.832	96.840	96.840	96.840	96.840	96.845	96.849	96.879
16	Aziruni II Etapa	Mz. A Lt 34	3	90.360	90.391	90.427	90.464	90.497	90.508	90.526	90.530	90.543	90.567
17	Aziruni II Etapa	Mz. A Lt 11	5	103.139	103.143	103.143	103.172	103.234	103.287	103.320	103.360	103.399	103.428
18	Aziruni II Etapa	Mz. A Lt 14	4	1438.190	1438.223	1438.268	1438.312	1438.323	1438.357	1438.391	1438.403	1438.413	1438.413
19	Aziruni III etp. A	Mz. P Lt 12	8	572.036	572.070	572.133	572.250	572.395	572.490	572.580	572.607	572.624	572.624
20	Aziruni III etp. A	Mz. I Lt 07	4	239.540	239.553	239.572	239.601	239.601	239.601	239.623	239.679	239.688	239.718
21	Aziruni III etp. A	Mz. L Lt 09	2	213.493	213.497	213.499	213.503	213.507	213.528	213.552	213.580	213.607	213.622
22	Aziruni III etp. B	Mz. P Lt 01	13	2677.671	2677.781	2677.960	2678.095	2678.133	2678.135	2678.243	2678.303	2678.351	2678.379
23	Aziruni II Etapa	Mz. C Lt 50	5	299.388	299.394	299.423	299.470	299.534	299.576	299.614	299.626	299.628	299.628
24	Aziruni II Etapa	Mz. C Lt 47	3	244.904	244.928	244.962	244.992	245.001	245.025	245.049	245.057	245.061	245.061



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
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**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

JUEVES 19 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	175.158	175.177	175.220	175.258	175.266	175.298	175.315	175.329	175.338	175.338
26	Aziruni II Etapa	Mz. B Lt 14-b	3	212.691	212.761	212.795	212.797	212.797	212.797	212.797	212.797	212.802	212.819
27	Aziruni II Etapa	Mz. B Lt 13	3	504.163	504.184	504.217	504.242	504.242	504.242	504.262	504.273	504.282	504.296
28	Aziruni II Etapa	Mz. B Lt 15	3	1235.017	1235.017	1235.017	1235.024	1235.024	1235.024	1235.024	1235.024	1235.042	1235.101
29	Aziruni II Etapa	Mz. B Lt 16	6	154.609	154.621	154.688	154.720	154.752	154.795	154.844	154.866	154.886	154.894
30	Aziruni II Etapa	Mz. J Lt 05	7	275.600	275.641	275.707	275.787	275.842	275.882	275.908	275.977	276.002	276.019
31	Aziruni II Etapa	Mz. J Lt 03	6	265.446	265.469	265.495	265.506	265.506	265.506	265.537	265.537	265.566	265.629
32	Aziruni I Etapa	Mz. 13 Lt 27	2	64.816	64.816	64.832	64.837	64.837	64.837	64.837	64.840	64.843	64.861
33	Aziruni I Etapa	Mz. 11 Lt 06	3	43.498	43.514	43.531	43.549	43.564	43.569	43.578	43.581	43.587	43.595
34	Aziruni I Etapa	Mz. 20 Lt 01	3	275.926	275.935	275.958	275.988	276.008	276.021	276.031	276.056	276.075	276.075
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1700.853	1700.853	1701.060	1701.081	1701.081	1701.081	1701.099	1701.142	1701.149	1701.173
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1876.033	1876.064	1876.134	1876.142	1876.142	1876.142	1876.142	1876.142	1876.162	1876.230
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2325.182	2325.195	2325.229	2325.275	2325.327	2325.378	2325.417	2325.455	2325.500	2325.523
38	Aziruni II Etapa	Mz. I Lt 10	5	610.722	610.728	610.734	610.740	610.746	610.782	610.825	610.874	610.920	610.941
39	Aziruni II Etapa	Mz. I Lt 14	2	1028.513	1028.520	1028.529	1028.535	1028.540	1028.561	1028.590	1028.615	1028.648	1028.655



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
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**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

VIERNES 20 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	182.344	182.361	182.406	182.440	182.450	182.450	182.476	182.490	182.500	182.513
2	Aziruni III etp. A	Mz. P Lt 03	4	218.057	218.066	218.080	218.099	218.099	218.099	218.099	218.115	218.121	218.155
3	Aziruni III etp. A	Mz. J Lt 07	4	228.481	228.504	228.549	228.600	228.642	228.656	228.681	228.689	228.704	228.734
4	Aziruni III etp. A	Mz. k Lt 11	2	212.517	212.517	212.521	212.535	212.535	212.535	212.535	212.546	212.555	212.605
5	Aziruni III etp. A	Mz. J Lt 01	4	240.076	240.109	240.139	240.198	240.278	240.280	240.320	240.377	240.390	240.390
6	Aziruni III etp. A	Mz. D Lt 10	3	50.525	50.544	50.556	50.580	50.608	50.635	50.663	50.687	50.709	50.713
7	Aziruni III etp. A	Mz. C' Lt 03	5	140.514	140.533	140.568	140.595	140.595	140.595	140.618	140.630	140.638	140.653
8	Aziruni III etp. A	Mz. H Lt 01	2	249.683	249.690	249.701	249.715	249.715	249.715	249.715	249.727	249.732	249.756
9	Aziruni III etp. A	Mz. F Lt 02	4	216.094	216.094	216.106	216.143	216.195	216.242	216.279	216.312	216.336	216.337
10	Aziruni III etp. A	Mz. G Lt 10	8	295.021	295.142	295.347	295.505	295.553	295.557	295.685	295.749	295.803	295.826
11	Aziruni III etp. A	Mz. G Lt 09	4	382.049	382.057	382.063	382.069	382.077	382.120	382.169	382.229	382.282	382.313
12	Aziruni III etp. A	Mz. Y Lt 26	5	295.822	295.867	295.943	296.000	296.012	296.015	296.060	296.085	296.105	296.121
13	Aziruni III etp. A	Mz. Y Lt 25	3	371.135	371.150	371.173	371.203	371.224	371.238	371.247	371.272	371.289	371.289
14	Aziruni I Etapa	Mz. 19 Lt 27	3	163.099	163.138	163.172	163.216	163.230	163.241	163.253	163.287	163.313	163.330
15	Aziruni I Etapa	Mz. 19 Lt 28	3	96.879	96.901	96.939	96.967	96.967	96.967	96.989	97.001	97.011	97.028
16	Aziruni II Etapa	Mz. A Lt 34	3	90.567	90.568	90.568	90.589	90.631	90.669	90.693	90.722	90.749	90.774
17	Aziruni II Etapa	Mz. A Lt 11	5	103.428	103.471	103.491	103.540	103.589	103.648	103.704	103.751	103.793	103.817
18	Aziruni II Etapa	Mz. A Lt 14	4	1438.416	1438.448	1438.505	1438.547	1438.558	1438.558	1438.594	1438.612	1438.625	1438.636
19	Aziruni III etp. A	Mz. P Lt 12	8	572.624	572.624	572.647	572.741	572.862	572.972	573.058	573.143	573.201	573.212
20	Aziruni III etp. A	Mz. I Lt 07	4	239.718	239.747	239.792	239.851	239.891	239.919	239.938	239.986	240.004	240.021
21	Aziruni III etp. A	Mz. L Lt 09	2	213.622	213.634	213.654	213.669	213.669	213.669	213.669	213.676	213.681	213.703
22	Aziruni III etp. B	Mz. P Lt 01	13	2678.398	2678.490	2678.541	2678.656	2678.780	2678.925	2679.061	2679.185	2679.293	2679.349
23	Aziruni II Etapa	Mz. C Lt 50	5	299.628	299.656	299.698	299.755	299.791	299.818	299.835	299.882	299.900	299.921
24	Aziruni II Etapa	Mz. C Lt 47	3	245.063	245.083	245.094	245.118	245.145	245.173	245.198	245.222	245.242	245.245



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

VIERNES 20 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	175.338	175.348	175.375	175.411	175.435	175.455	175.465	175.496	175.507	175.519
26	Aziruni II Etapa	Mz. B Lt 14-b	3	212.819	212.829	212.837	212.854	212.854	212.854	212.854	212.870	212.875	212.908
27	Aziruni II Etapa	Mz. B Lt 13	3	504.299	504.323	504.368	504.402	504.412	504.413	504.440	504.454	504.464	504.475
28	Aziruni II Etapa	Mz. B Lt 15	3	1235.101	1235.132	1235.166	1235.202	1235.233	1235.243	1235.262	1235.266	1235.276	1235.305
29	Aziruni II Etapa	Mz. B Lt 16	6	154.898	154.933	155.001	155.088	155.150	155.187	155.212	155.284	155.312	155.340
30	Aziruni II Etapa	Mz. J Lt 05	7	276.019	276.019	276.040	276.111	276.198	276.281	276.339	276.396	276.438	276.448
31	Aziruni II Etapa	Mz. J Lt 03	6	265.634	265.648	265.670	265.684	265.698	265.751	265.821	265.888	265.966	265.982
32	Aziruni I Etapa	Mz. 13 Lt 27	2	64.861	64.875	64.898	64.916	64.916	64.916	64.916	64.923	64.929	64.953
33	Aziruni I Etapa	Mz. 11 Lt 06	3	43.595	43.596	43.596	43.609	43.635	43.659	43.674	43.692	43.707	43.724
34	Aziruni I Etapa	Mz. 20 Lt 01	3	276.099	276.121	276.150	276.180	276.219	276.260	276.273	276.290	276.299	276.299
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1701.173	1701.218	1701.291	1701.347	1701.363	1701.377	1701.415	1701.438	1701.458	1701.473
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1876.238	1876.271	1876.340	1876.390	1876.401	1876.450	1876.450	1876.471	1876.487	1876.497
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2325.533	2325.552	2325.572	2325.588	2325.599	2325.650	2325.722	2325.788	2325.865	2325.889
38	Aziruni II Etapa	Mz. I Lt 10	5	610.941	610.953	610.959	610.971	610.982	611.045	611.115	611.200	611.276	611.317
39	Aziruni II Etapa	Mz. I Lt 14	2	1028.657	1028.667	1028.675	1028.690	1028.707	1028.726	1028.745	1028.761	1028.775	1028.780



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

SABADO 21 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	182.523	182.540	182.587	182.643	182.682	182.706	182.723	182.771	182.789	182.811
2	Aziruni III etp. A	Mz. P Lt 03	4	218.155	218.180	218.220	218.252	218.260	218.261	218.287	218.300	218.320	218.320
3	Aziruni III etp. A	Mz. J Lt 07	4	228.739	228.753	228.768	228.780	228.791	228.863	228.945	229.037	229.136	229.168
4	Aziruni III etp. A	Mz. k Lt 11	2	212.605	212.622	212.649	212.669	212.669	212.669	212.685	212.694	212.712	212.712
5	Aziruni III etp. A	Mz. J Lt 01	4	240.398	240.475	240.545	240.612	240.662	240.662	240.682	240.699	240.721	240.731
6	Aziruni III etp. A	Mz. D Lt 10	3	50.713	50.746	50.784	50.820	50.848	50.878	50.894	50.896	50.901	50.901
7	Aziruni III etp. A	Mz. C' Lt 03	5	140.667	140.690	140.718	140.755	140.763	140.770	140.781	140.808	140.829	140.846
8	Aziruni III etp. A	Mz. H Lt 01	2	249.756	249.756	249.761	249.780	249.804	249.827	249.845	249.860	249.872	249.875
9	Aziruni III etp. A	Mz. F Lt 02	4	216.342	216.374	216.437	216.484	216.495	216.497	216.533	216.552	216.566	216.580
10	Aziruni III etp. A	Mz. G Lt 10	8	295.826	295.949	296.131	296.377	296.540	296.675	296.743	296.942	297.025	297.074
11	Aziruni III etp. A	Mz. G Lt 09	4	382.313	382.313	382.328	382.389	382.472	382.546	382.600	382.650	382.688	382.702
12	Aziruni III etp. A	Mz. Y Lt 26	5	296.129	296.201	296.274	296.353	296.422	296.444	296.481	296.493	296.514	296.566
13	Aziruni III etp. A	Mz. Y Lt 25	3	371.294	371.316	371.331	371.360	371.394	371.428	371.466	371.498	371.528	371.540
14	Aziruni I Etapa	Mz. 19 Lt 27	3	163.331	163.331	163.331	163.364	163.427	163.486	163.523	163.570	163.613	163.651
15	Aziruni I Etapa	Mz. 19 Lt 28	3	97.028	97.060	97.108	97.173	97.218	97.249	97.269	97.322	97.342	97.358
16	Aziruni II Etapa	Mz. A Lt 34	3	90.776	90.813	90.876	90.922	90.932	90.936	90.975	90.994	91.008	91.021
17	Aziruni II Etapa	Mz. A Lt 11	5	103.817	103.888	103.972	104.046	104.108	104.168	104.205	104.210	104.214	104.214
18	Aziruni II Etapa	Mz. A Lt 14	4	1438.636	1438.705	1438.788	1438.863	1438.921	1438.986	1439.019	1439.020	1439.021	1439.021
19	Aziruni III etp. A	Mz. P Lt 12	8	573.231	573.339	573.559	573.722	573.758	573.764	573.902	573.969	574.025	574.067
20	Aziruni III etp. A	Mz. I Lt 07	4	240.021	240.066	240.090	240.141	240.206	240.271	240.333	240.387	240.435	240.449
21	Aziruni III etp. A	Mz. L Lt 09	2	213.717	213.729	213.750	213.770	213.770	213.770	213.776	213.782	213.788	213.806
22	Aziruni III etp. B	Mz. P Lt 01	13	2679.349	2679.447	2679.621	2679.830	2679.970	2680.077	2680.143	2680.322	2680.382	2680.438
23	Aziruni II Etapa	Mz. C Lt 50	5	299.922	299.971	300.030	300.090	300.138	300.154	300.182	300.191	300.210	300.247
24	Aziruni II Etapa	Mz. C Lt 47	3	245.245	245.281	245.327	245.370	245.402	245.437	245.456	245.456	245.461	245.461



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

SABADO 21 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	175.549	175.588	175.608	175.650	175.697	175.748	175.797	175.843	175.881	175.891
26	Aziruni II Etapa	Mz. B Lt 14-b	3	212.908	212.937	212.958	212.986	212.986	212.986	212.986	213.007	213.023	213.055
27	Aziruni II Etapa	Mz. B Lt 13	3	504.485	504.507	504.559	504.600	504.611	504.613	504.647	504.664	504.682	504.682
28	Aziruni II Etapa	Mz. B Lt 15	3	1235.305	1235.334	1235.351	1235.388	1235.432	1235.477	1235.522	1235.558	1235.594	1235.606
29	Aziruni II Etapa	Mz. B Lt 16	6	155.351	155.379	155.394	155.411	155.435	155.534	155.656	155.795	155.926	155.985
30	Aziruni II Etapa	Mz. J Lt 05	7	276.448	276.452	276.506	276.592	276.686	276.768	276.796	276.828	276.874	276.972
31	Aziruni II Etapa	Mz. J Lt 03	6	265.985	265.985	266.039	266.122	266.214	266.299	266.325	266.356	266.408	266.511
32	Aziruni I Etapa	Mz. 13 Lt 27	2	64.953	64.955	64.955	64.971	65.004	65.033	65.052	65.074	65.095	65.111
33	Aziruni I Etapa	Mz. 11 Lt 06	3	43.734	43.758	43.784	43.818	43.828	43.838	43.847	43.872	43.893	43.907
34	Aziruni I Etapa	Mz. 20 Lt 01	3	276.299	276.314	276.328	276.337	276.347	276.383	276.434	276.480	276.536	276.543
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1701.483	1701.528	1701.554	1701.607	1701.673	1701.717	1701.781	1701.834	1701.881	1701.906
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1876.497	1876.511	1876.518	1876.531	1876.544	1876.613	1876.692	1876.784	1876.870	1876.903
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2325.889	2326.009	2326.114	2326.209	2326.281	2326.284	2326.309	2326.331	2326.358	2326.376
38	Aziruni II Etapa	Mz. I Lt 10	5	611.327	611.399	611.431	611.505	611.589	611.645	611.732	611.806	611.872	611.898
39	Aziruni II Etapa	Mz. I Lt 14	2	1028.780	1028.792	1028.799	1028.814	1028.831	1028.848	1028.866	1028.881	1028.894	1028.902



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

DOMINGO 22 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	182.826	182.839	182.863	182.877	182.892	182.913	182.949	183.004	183.067	183.112
2	Aziruni III etp. A	Mz. P Lt 03	4	218.322	218.328	218.334	218.345	218.381	218.416	218.445	218.465	218.476	218.502
3	Aziruni III etp. A	Mz. J Lt 07	4	229.183	229.215	229.279	229.346	229.403	229.448	229.471	229.537	229.556	229.602
4	Aziruni III etp. A	Mz. k Lt 11	2	212.712	212.718	212.721	212.728	212.737	212.760	212.776	212.789	212.797	212.836
5	Aziruni III etp. A	Mz. J Lt 01	4	240.731	240.792	240.807	240.824	240.864	240.903	240.944	240.974	240.999	241.039
6	Aziruni III etp. A	Mz. D Lt 10	3	50.934	50.951	50.959	50.970	50.998	51.030	51.061	51.084	51.100	51.137
7	Aziruni III etp. A	Mz. C' Lt 03	5	140.861	140.898	140.931	140.958	140.968	140.980	140.995	141.034	141.040	141.082
8	Aziruni III etp. A	Mz. H Lt 01	2	249.875	249.883	249.886	249.890	249.917	249.943	249.963	249.976	249.983	250.009
9	Aziruni III etp. A	Mz. F Lt 02	4	216.595	216.622	216.717	216.744	216.758	216.760	216.809	216.829	216.840	216.878
10	Aziruni III etp. A	Mz. G Lt 10	8	297.089	297.199	297.400	297.633	297.796	297.910	297.989	298.195	298.272	298.382
11	Aziruni III etp. A	Mz. G Lt 09	4	382.717	382.717	382.722	382.770	382.852	382.932	382.993	383.039	383.073	383.106
12	Aziruni III etp. A	Mz. Y Lt 26	5	296.581	296.642	296.754	296.824	296.840	296.844	296.918	296.949	296.969	297.011
13	Aziruni III etp. A	Mz. Y Lt 25	3	371.555	371.560	371.578	371.599	371.654	371.695	371.708	371.715	371.716	371.741
14	Aziruni I Etapa	Mz. 19 Lt 27	3	163.666	163.709	163.790	163.837	163.849	163.853	163.903	163.925	163.938	163.978
15	Aziruni I Etapa	Mz. 19 Lt 28	3	97.373	97.403	97.419	97.440	97.486	97.535	97.584	97.622	97.652	97.688
16	Aziruni II Etapa	Mz. A Lt 34	3	91.025	91.036	91.037	91.042	91.055	91.082	91.132	91.179	91.229	91.279
17	Aziruni II Etapa	Mz. A Lt 11	5	104.229	104.243	104.285	104.339	104.439	104.508	104.529	104.547	104.563	104.591
18	Aziruni II Etapa	Mz. A Lt 14	4	1439.036	1439.053	1439.097	1439.161	1439.277	1439.359	1439.381	1439.402	1439.403	1439.428
19	Aziruni III etp. A	Mz. P Lt 12	8	574.083	574.108	574.111	574.113	574.144	574.264	574.415	574.566	574.728	574.809
20	Aziruni III etp. A	Mz. I Lt 07	4	240.464	240.532	240.617	240.702	240.730	240.732	240.760	240.814	240.846	240.894
21	Aziruni III etp. A	Mz. L Lt 09	2	213.821	213.835	213.868	213.877	213.877	213.877	213.899	213.906	213.908	213.950
22	Aziruni III etp. B	Mz. P Lt 01	13	2680.455	2680.461	2680.467	2680.572	2680.833	2681.065	2681.204	2681.383	2681.536	2681.732
23	Aziruni II Etapa	Mz. C Lt 50	5	300.264	300.288	300.310	300.322	300.361	300.400	300.447	300.487	300.517	300.550
24	Aziruni II Etapa	Mz. C Lt 47	3	245.476	245.495	245.523	245.549	245.589	245.618	245.640	245.655	245.667	245.708



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

DOMINGO 22 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	175.907	175.951	175.995	176.038	176.050	176.067	176.083	176.137	176.148	176.190
26	Aziruni II Etapa	Mz. B Lt 14-b	3	213.070	213.078	213.082	213.084	213.103	213.126	213.150	213.163	213.174	213.206
27	Aziruni II Etapa	Mz. B Lt 13	3	504.697	504.714	504.722	504.734	504.762	504.795	504.828	504.852	504.873	504.910
28	Aziruni II Etapa	Mz. B Lt 15	3	1235.621	1235.676	1235.723	1235.768	1235.779	1235.793	1235.814	1235.853	1235.880	1235.925
29	Aziruni II Etapa	Mz. B Lt 16	6	156.000	156.014	156.018	156.020	156.047	156.160	156.301	156.433	156.587	156.680
30	Aziruni II Etapa	Mz. J Lt 05	7	276.987	277.021	277.101	277.182	277.243	277.292	277.348	277.391	277.430	277.496
31	Aziruni II Etapa	Mz. J Lt 03	6	266.526	266.579	266.651	266.722	266.810	266.872	266.924	266.971	267.015	267.067
32	Aziruni I Etapa	Mz. 13 Lt 27	2	65.126	65.138	65.152	65.152	65.179	65.206	65.236	65.257	65.271	65.299
33	Aziruni I Etapa	Mz. 11 Lt 06	3	43.922	43.936	43.946	43.958	43.986	44.016	44.050	44.072	44.091	44.124
34	Aziruni I Etapa	Mz. 20 Lt 01	3	276.558	276.558	276.558	276.580	276.628	276.675	276.713	276.743	276.760	276.788
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1701.921	1702.010	1702.076	1702.155	1702.175	1702.198	1702.222	1702.285	1702.331	1702.397
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1876.918	1876.959	1876.998	1877.027	1877.092	1877.163	1877.243	1877.314	1877.367	1877.422
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2326.391	2326.478	2326.573	2326.675	2326.714	2326.723	2326.754	2326.816	2326.852	2326.905
38	Aziruni II Etapa	Mz. I Lt 10	5	611.913	611.913	611.932	612.014	612.152	612.282	612.375	612.463	612.524	612.549
39	Aziruni II Etapa	Mz. I Lt 14	2	1028.917	1028.935	1028.960	1028.974	1028.974	1028.974	1028.975	1028.988	1028.993	1029.045



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

LUNES 24 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	183.122	183.157	183.191	183.235	183.246	183.258	183.269	183.302	183.329	183.342
2	Aziruni III etp. A	Mz. P Lt 03	4	218.505	218.525	218.560	218.588	218.588	218.588	218.610	218.621	218.630	218.646
3	Aziruni III etp. A	Mz. J Lt 07	4	229.602	229.633	229.651	229.684	229.723	229.766	229.805	229.841	229.873	229.884
4	Aziruni III etp. A	Mz. k Lt 11	2	212.839	212.849	212.872	212.889	212.889	212.889	212.889	212.896	212.902	212.925
5	Aziruni III etp. A	Mz. J Lt 01	4	241.039	241.057	241.087	241.123	241.143	241.161	241.181	241.198	241.210	241.228
6	Aziruni III etp. A	Mz. D Lt 10	3	51.140	51.157	51.193	51.223	51.270	51.286	51.295	51.305	51.305	51.305
7	Aziruni III etp. A	Mz. C' Lt 03	5	141.091	141.114	141.139	141.171	141.181	141.191	141.199	141.231	141.250	141.250
8	Aziruni III etp. A	Mz. H Lt 01	2	250.009	250.018	250.023	250.034	250.046	250.060	250.074	250.085	250.096	250.103
9	Aziruni III etp. A	Mz. F Lt 02	4	216.897	216.923	216.959	217.004	217.014	217.026	217.037	217.070	217.095	217.108
10	Aziruni III etp. A	Mz. G Lt 10	8	298.382	298.491	298.598	298.740	298.820	298.882	298.961	299.086	299.113	299.113
11	Aziruni III etp. A	Mz. G Lt 09	4	383.108	383.145	383.205	383.251	383.265	383.268	383.304	383.324	383.338	383.350
12	Aziruni III etp. A	Mz. Y Lt 26	5	297.011	297.021	297.029	297.037	297.050	297.101	297.163	297.226	297.295	297.316
13	Aziruni III etp. A	Mz. Y Lt 25	3	371.744	371.759	371.791	371.819	371.864	371.878	371.887	371.895	371.900	371.900
14	Aziruni I Etapa	Mz. 19 Lt 27	3	163.978	164.011	164.065	164.107	164.116	164.119	164.153	164.171	164.184	164.192
15	Aziruni I Etapa	Mz. 19 Lt 28	3	97.692	97.719	97.772	97.811	97.821	97.822	97.856	97.872	97.886	97.897
16	Aziruni II Etapa	Mz. A Lt 34	3	91.279	91.301	91.344	91.380	91.436	91.453	91.465	91.476	91.486	91.486
17	Aziruni II Etapa	Mz. A Lt 11	5	104.594	104.623	104.681	104.729	104.808	104.835	104.853	104.869	104.880	104.880
18	Aziruni II Etapa	Mz. A Lt 14	4	1439.438	1439.453	1439.499	1439.538	1439.601	1439.620	1439.631	1439.643	1439.651	1439.651
19	Aziruni III etp. A	Mz. P Lt 12	8	574.828	574.866	574.959	575.068	575.129	575.180	575.241	575.293	575.332	575.396
20	Aziruni III etp. A	Mz. I Lt 07	4	240.897	240.945	241.003	241.075	241.095	241.095	241.117	241.156	241.179	241.198
21	Aziruni III etp. A	Mz. L Lt 09	2	213.950	213.950	213.956	213.978	214.007	214.033	214.053	214.072	214.086	214.094
22	Aziruni III etp. B	Mz. P Lt 01	13	2681.744	2681.839	2681.943	2682.071	2682.132	2682.192	2682.257	2682.369	2682.397	2682.397
23	Aziruni II Etapa	Mz. C Lt 50	5	300.554	300.585	300.647	300.697	300.776	300.803	300.820	300.837	300.839	300.839
24	Aziruni II Etapa	Mz. C Lt 47	3	245.708	245.744	245.780	245.815	245.822	245.838	245.844	245.844	245.856	245.880



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MARTES 24 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	183.344	183.386	183.419	183.463	183.473	183.484	183.496	183.541	183.554	183.576
2	Aziruni III etp. A	Mz. P Lt 03	4	218.649	218.665	218.689	218.714	218.734	218.744	218.759	218.770	218.778	218.787
3	Aziruni III etp. A	Mz. J Lt 07	4	229.884	229.897	229.914	229.927	229.936	229.975	230.033	230.086	230.149	230.156
4	Aziruni III etp. A	Mz. k Lt 11	2	212.929	212.935	212.946	212.960	212.960	212.960	212.960	212.973	212.977	212.997
5	Aziruni III etp. A	Mz. J Lt 01	4	241.228	241.254	241.286	241.320	241.348	241.363	241.383	241.398	241.410	241.416
6	Aziruni III etp. A	Mz. D Lt 10	3	51.309	51.327	51.351	51.383	51.400	51.417	51.433	51.463	51.473	51.473
7	Aziruni III etp. A	Mz. C' Lt 03	5	141.250	141.274	141.304	141.334	141.359	141.373	141.393	141.405	141.415	141.421
8	Aziruni III etp. A	Mz. H Lt 01	2	250.108	250.115	250.128	250.142	250.154	250.158	250.165	250.167	250.172	250.181
9	Aziruni III etp. A	Mz. F Lt 02	4	217.117	217.140	217.179	217.216	217.246	217.263	217.289	217.306	217.322	217.330
10	Aziruni III etp. A	Mz. G Lt 10	8	299.141	299.252	299.389	299.524	299.557	299.612	299.639	299.654	299.697	299.778
11	Aziruni III etp. A	Mz. G Lt 09	4	383.350	383.378	383.393	383.427	383.460	383.498	383.538	383.573	383.605	383.611
12	Aziruni III etp. A	Mz. Y Lt 26	5	297.326	297.326	297.335	297.342	297.350	297.395	297.450	297.507	297.567	297.588
13	Aziruni III etp. A	Mz. Y Lt 25	3	371.904	371.904	371.909	371.913	371.917	371.944	371.975	372.008	372.043	372.055
14	Aziruni I Etapa	Mz. 19 Lt 27	3	164.192	164.222	164.266	164.305	164.329	164.330	164.343	164.376	164.396	164.396
15	Aziruni I Etapa	Mz. 19 Lt 28	3	97.897	97.934	97.979	98.026	98.065	98.083	98.112	98.135	98.152	98.169
16	Aziruni II Etapa	Mz. A Lt 34	3	91.486	91.517	91.553	91.591	91.625	91.636	91.652	91.656	91.667	91.693
17	Aziruni II Etapa	Mz. A Lt 11	5	104.891	104.931	104.985	105.046	105.093	105.108	105.134	105.143	105.162	105.199
18	Aziruni II Etapa	Mz. A Lt 14	4	1439.651	1439.683	1439.726	1439.767	1439.802	1439.819	1439.849	1439.869	1439.883	1439.896
19	Aziruni III etp. A	Mz. P Lt 12	8	575.397	575.431	575.470	575.493	575.516	575.607	575.728	575.840	575.976	576.012
20	Aziruni III etp. A	Mz. I Lt 07	4	241.198	241.250	241.305	241.373	241.393	241.397	241.397	241.418	241.456	241.492
21	Aziruni III etp. A	Mz. L Lt 09	2	214.094	214.094	214.094	214.104	214.125	214.144	214.155	214.169	214.182	214.193
22	Aziruni III etp. B	Mz. P Lt 01	13	2682.401	2682.407	2682.407	2682.479	2682.611	2682.734	2682.804	2682.896	2682.971	2683.044
23	Aziruni II Etapa	Mz. C Lt 50	5	300.850	300.885	300.940	300.989	301.014	301.018	301.030	301.070	301.086	301.098
24	Aziruni II Etapa	Mz. C Lt 47	3	245.881	245.911	245.942	245.973	245.979	245.991	245.997	245.997	246.006	246.028



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MIÉRCOLES 25 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	183.576	183.612	183.671	183.713	183.725	183.727	183.738	183.782	183.797	183.804
2	Aziruni III etp. A	Mz. P Lt 03	4	218.787	218.787	218.793	218.814	218.841	218.866	218.886	218.903	218.917	218.921
3	Aziruni III etp. A	Mz. J Lt 07	4	230.156	230.195	230.251	230.308	230.321	230.332	230.345	230.372	230.398	230.414
4	Aziruni III etp. A	Mz. k Lt 11	2	212.997	213.005	213.009	213.018	213.028	213.039	213.049	213.058	213.067	213.071
5	Aziruni III etp. A	Mz. J Lt 01	4	241.425	241.484	241.542	241.595	241.643	241.646	241.692	241.723	241.734	241.734
6	Aziruni III etp. A	Mz. D Lt 10	3	51.488	51.493	51.493	51.493	51.523	51.552	51.565	51.599	51.641	51.656
7	Aziruni III etp. A	Mz. C' Lt 03	5	141.421	141.421	141.427	141.453	141.489	141.521	141.544	141.568	141.584	141.589
8	Aziruni III etp. A	Mz. H Lt 01	2	250.181	250.189	250.198	250.211	250.224	250.233	250.240	250.246	250.253	250.256
9	Aziruni III etp. A	Mz. F Lt 02	4	217.330	217.362	217.400	217.451	217.464	217.467	217.507	217.514	217.531	217.531
10	Aziruni III etp. A	Mz. G Lt 10	8	299.784	299.870	299.914	300.006	300.116	300.189	300.298	300.388	300.466	300.497
11	Aziruni III etp. A	Mz. G Lt 09	4	383.611	383.664	383.711	383.751	383.789	383.792	383.826	383.850	383.860	383.860
12	Aziruni III etp. A	Mz. Y Lt 26	5	297.588	297.624	297.657	297.699	297.741	297.753	297.795	297.831	297.863	297.872
13	Aziruni III etp. A	Mz. Y Lt 25	3	372.055	372.074	372.083	372.105	372.129	372.155	372.179	372.199	372.217	372.226
14	Aziruni I Etapa	Mz. 19 Lt 27	3	164.405	164.427	164.463	164.517	164.529	164.542	164.570	164.580	164.600	164.600
15	Aziruni I Etapa	Mz. 19 Lt 28	3	98.169	98.191	98.203	98.228	98.259	98.289	98.320	98.347	98.370	98.380
16	Aziruni II Etapa	Mz. A Lt 34	3	91.763	91.786	91.810	91.844	91.878	91.903	91.923	91.939	91.955	91.970
17	Aziruni II Etapa	Mz. A Lt 11	5	105.341	105.480	105.571	105.644	105.674	105.679	105.765	105.773	105.798	105.808
18	Aziruni II Etapa	Mz. A Lt 14	4	1439.896	1439.925	1439.958	1440.002	1440.042	1440.069	1440.095	1440.119	1440.138	1440.149
19	Aziruni III etp. A	Mz. P Lt 12	8	576.012	576.093	576.163	576.253	576.339	576.365	576.452	576.531	576.593	576.600
20	Aziruni III etp. A	Mz. I Lt 07	4	241.502	241.551	241.597	241.638	241.680	241.680	241.719	241.747	241.753	241.753
21	Aziruni III etp. A	Mz. L Lt 09	2	214.193	214.194	214.194	214.203	214.221	214.237	214.247	214.260	214.271	214.280
22	Aziruni III etp. B	Mz. P Lt 01	13	2683.055	2683.153	2683.274	2683.438	2683.473	2683.481	2683.512	2683.636	2683.676	2683.700
23	Aziruni II Etapa	Mz. C Lt 50	5	301.101	301.109	301.109	301.109	301.148	301.186	301.205	301.252	301.310	301.332
24	Aziruni II Etapa	Mz. C Lt 47	3	246.028	246.064	246.085	246.119	246.138	246.151	246.169	246.181	246.195	246.195



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MIÉRCOLES 25 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	176.596	176.635	176.667	176.713	176.753	176.764	176.805	176.841	176.876	176.884
26	Aziruni II Etapa	Mz. B Lt 14-b	3	213.422	213.437	213.464	213.479	213.479	213.479	213.479	213.498	213.504	213.519
27	Aziruni II Etapa	Mz. B Lt 13	3	505.228	505.244	505.252	505.271	505.294	505.317	505.341	505.360	505.378	505.389
28	Aziruni II Etapa	Mz. B Lt 15	3	1236.357	1236.385	1236.409	1236.442	1236.471	1236.477	1236.506	1236.533	1236.555	1236.558
29	Aziruni II Etapa	Mz. B Lt 16	6	157.395	157.469	157.543	157.609	157.683	157.705	157.738	157.781	157.782	157.782
30	Aziruni II Etapa	Mz. J Lt 05	7	278.229	278.272	278.319	278.388	278.452	278.499	278.539	278.576	278.614	278.632
31	Aziruni II Etapa	Mz. J Lt 03	6	267.797	267.803	267.857	267.922	267.984	268.007	268.029	268.076	268.115	268.116
32	Aziruni I Etapa	Mz. 13 Lt 27	2	65.542	65.544	65.544	65.544	65.560	65.575	65.583	65.602	65.627	65.638
33	Aziruni I Etapa	Mz. 11 Lt 06	3	44.395	44.412	44.433	44.463	44.463	44.463	44.463	44.486	44.493	44.512
34	Aziruni I Etapa	Mz. 20 Lt 01	3	277.151	277.157	277.160	277.163	277.167	277.191	277.222	277.255	277.289	277.305
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1703.101	1703.135	1703.188	1703.255	1703.284	1703.299	1703.308	1703.345	1703.382	1703.398
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1878.096	1878.129	1878.164	1878.216	1878.267	1878.304	1878.331	1878.357	1878.381	1878.394
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2327.645	2327.715	2327.808	2327.873	2327.915	2327.956	2327.992	2328.034	2328.052	2328.052
38	Aziruni II Etapa	Mz. I Lt 10	5	613.342	613.355	613.355	613.355	613.428	613.496	613.524	613.608	613.712	613.739
39	Aziruni II Etapa	Mz. I Lt 14	2	1029.245	1029.313	1029.388	1029.395	1029.415	1029.453	1029.477	1029.489	1029.504	1029.512



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

JUEVES 26 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	183.804	183.804	183.820	183.872	183.937	183.999	184.043	184.088	184.119	184.117
2	Aziruni III etp. A	Mz. P Lt 03	4	218.921	218.925	218.925	218.925	218.946	218.967	218.977	219.003	219.035	219.045
3	Aziruni III etp. A	Mz. J Lt 07	4	230.424	230.448	230.500	230.637	230.693	230.705	230.730	230.831	230.831	230.858
4	Aziruni III etp. A	Mz. k Lt 11	2	213.071	213.071	213.074	213.084	213.084	213.084	213.084	213.092	213.098	213.130
5	Aziruni III etp. A	Mz. J Lt 01	4	241.744	241.744	241.754	241.792	241.845	241.891	241.925	241.960	241.985	241.993
6	Aziruni III etp. A	Mz. D Lt 10	3	51.656	51.672	51.696	51.743	51.743	51.743	51.743	51.756	51.766	51.800
7	Aziruni III etp. A	Mz. C' Lt 03	5	141.592	141.643	141.735	141.748	141.748	141.748	141.748	141.764	141.794	141.825
8	Aziruni III etp. A	Mz. H Lt 01	2	250.256	250.258	250.265	250.272	250.272	250.274	250.277	250.280	250.285	250.285
9	Aziruni III etp. A	Mz. F Lt 02	4	217.531	217.544	217.564	217.600	217.614	217.614	217.614	217.639	217.639	217.693
10	Aziruni III etp. A	Mz. G Lt 10	8	300.525	300.762	301.003	301.205	301.289	301.361	301.391	301.485	301.545	301.603
11	Aziruni III etp. A	Mz. G Lt 09	4	383.860	383.870	383.878	383.888	383.897	383.949	384.011	384.077	384.148	384.188
12	Aziruni III etp. A	Mz. Y Lt 26	5	297.872	297.879	297.879	297.879	297.915	297.952	297.968	298.012	298.064	298.084
13	Aziruni III etp. A	Mz. Y Lt 25	3	372.226	372.242	372.265	372.308	372.308	372.308	372.308	372.321	372.330	372.365
14	Aziruni I Etapa	Mz. 19 Lt 27	3	164.611	164.629	164.661	164.661	164.661	164.661	164.661	164.661	164.661	164.678
15	Aziruni I Etapa	Mz. 19 Lt 28	3	98.401	98.456	98.539	98.561	98.568	98.568	98.578	98.608	98.704	98.751
16	Aziruni II Etapa	Mz. A Lt 34	3	91.970	91.993	92.022	92.056	92.092	92.115	92.135	92.154	92.172	92.185
17	Aziruni II Etapa	Mz. A Lt 11	5	105.808	105.828	105.883	105.967	106.036	106.084	106.129	106.189	106.207	106.216
18	Aziruni II Etapa	Mz. A Lt 14	4	1440.155	1440.192	1440.228	1440.261	1440.271	1440.301	1440.338	1440.356	1440.394	1440.396
19	Aziruni III etp. A	Mz. P Lt 12	8	576.600	576.634	576.715	576.833	576.924	576.988	577.067	577.120	577.154	577.171
20	Aziruni III etp. A	Mz. I Lt 07	4	241.753	241.774	241.807	241.839	241.853	241.853	241.853	241.869	241.881	241.887
21	Aziruni III etp. A	Mz. L Lt 09	2	214.280	214.284	214.286	214.288	214.292	214.315	214.341	214.367	214.396	214.412
22	Aziruni III etp. B	Mz. P Lt 01	13	2683.706	2683.822	2683.994	2684.230	2684.280	2684.285	2684.329	2684.509	2684.568	2684.621
23	Aziruni II Etapa	Mz. C Lt 50	5	301.349	301.370	301.468	301.560	301.561	301.589	301.630	301.669	301.734	301.742
24	Aziruni II Etapa	Mz. C Lt 47	3	246.214	246.235	246.274	246.314	246.331	246.332	246.342	246.362	246.372	246.398



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

JUEVES 26 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	176.888	176.929	176.976	176.998	177.015	177.018	177.025	177.031	177.045	177.076
26	Aziruni II Etapa	Mz. B Lt 14-b	3	213.519	213.535	213.549	213.562	213.565	213.576	213.591	213.599	213.616	213.620
27	Aziruni II Etapa	Mz. B Lt 13	3	505.389	505.409	505.438	505.493	505.527	505.527	505.535	505.552	505.562	505.570
28	Aziruni II Etapa	Mz. B Lt 15	3	1236.558	1236.558	1236.558	1236.558	1236.558	1236.558	1236.558	1236.558	1236.558	1236.558
29	Aziruni II Etapa	Mz. B Lt 16	6	157.791	157.874	157.948	158.011	158.032	158.091	158.174	158.216	158.297	158.302
30	Aziruni II Etapa	Mz. J Lt 05	7	278.632	278.689	278.755	278.840	278.928	278.987	279.041	279.085	279.135	279.163
31	Aziruni II Etapa	Mz. J Lt 03	6	268.116	268.116	268.116	268.132	268.132	268.150	268.192	268.376	268.376	268.387
32	Aziruni I Etapa	Mz. 13 Lt 27	2	65.638	65.646	65.650	65.659	65.669	65.679	65.689	65.698	65.706	65.710
33	Aziruni I Etapa	Mz. 11 Lt 06	3	44.512	44.532	44.543	44.568	44.596	44.622	44.649	44.672	44.694	44.701
34	Aziruni I Etapa	Mz. 20 Lt 01	3	277.325	277.346	277.398	277.423	277.439	277.440	277.447	277.453	277.466	277.499
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1703.398	1703.426	1703.473	1703.508	1703.508	1703.512	1703.523	1703.575	1703.616	1703.639
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1878.394	1878.425	1878.486	1878.525	1878.525	1878.531	1878.544	1878.598	1878.598	1878.598
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2328.052	2328.052	2328.052	2328.147	2328.190	2328.202	2328.232	2328.368	2328.539	2328.571
38	Aziruni II Etapa	Mz. I Lt 10	5	613.757	613.798	613.838	613.871	613.881	613.911	613.950	613.969	614.011	614.018
39	Aziruni II Etapa	Mz. I Lt 14	2	1029.519	1029.548	1029.615	1029.681	1029.717	1029.754	1029.772	1029.831	1029.879	1029.895



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

VIERNES 27 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	184.129	184.174	184.206	184.271	184.336	184.343	184.406	184.487	184.514	184.549
2	Aziruni III etp. A	Mz. P Lt 03	4	219.069	219.115	219.142	219.202	219.270	219.337	219.401	219.461	219.517	219.530
3	Aziruni III etp. A	Mz. J Lt 07	4	230.888	230.933	230.977	231.041	231.106	231.153	231.187	231.216	231.245	231.269
4	Aziruni III etp. A	Mz. k Lt 11	2	213.130	213.148	213.164	213.176	213.180	213.193	213.210	213.217	213.234	213.234
5	Aziruni III etp. A	Mz. J Lt 01	4	241.993	242.013	242.029	242.060	242.089	242.092	242.119	242.155	242.167	242.180
6	Aziruni III etp. A	Mz. D Lt 10	3	51.800	51.807	51.843	51.875	51.878	51.888	51.902	51.916	51.938	51.945
7	Aziruni III etp. A	Mz. C' Lt 03	5	141.825	141.832	141.878	141.918	141.920	141.932	141.950	141.966	141.995	142.006
8	Aziruni III etp. A	Mz. H Lt 01	2	250.285	250.291	250.298	250.308	250.308	250.308	250.308	250.316	250.325	250.325
9	Aziruni III etp. A	Mz. F Lt 02	4	217.693	217.721	217.752	217.796	217.808	217.811	217.818	217.852	217.863	217.869
10	Aziruni III etp. A	Mz. G Lt 10	8	301.616	301.721	301.799	301.940	302.083	302.094	302.224	302.402	302.455	302.533
11	Aziruni III etp. A	Mz. G Lt 09	4	384.188	384.210	384.238	384.277	384.285	384.286	384.293	384.322	384.332	384.338
12	Aziruni III etp. A	Mz. Y Lt 26	5	298.084	298.089	298.089	298.089	298.139	298.182	298.200	298.254	298.325	298.358
13	Aziruni III etp. A	Mz. Y Lt 25	3	372.370	372.391	372.416	372.453	372.453	372.453	372.453	372.480	372.489	372.509
14	Aziruni I Etapa	Mz. 19 Lt 27	3	164.678	164.707	164.737	164.777	164.814	164.841	164.863	164.882	164.904	164.912
15	Aziruni I Etapa	Mz. 19 Lt 28	3	98.751	98.766	98.784	98.810	98.810	98.810	98.810	98.829	98.835	98.851
16	Aziruni II Etapa	Mz. A Lt 34	3	92.185	92.209	92.234	92.268	92.303	92.326	92.346	92.362	92.380	92.387
17	Aziruni II Etapa	Mz. A Lt 11	5	106.216	106.230	106.270	106.335	106.384	106.417	106.458	106.486	106.504	106.515
18	Aziruni II Etapa	Mz. A Lt 14	4	1440.396	1440.396	1440.396	1440.417	1440.462	1440.500	1440.524	1440.553	1440.581	1440.610
19	Aziruni III etp. A	Mz. P Lt 12	8	577.171	577.171	577.204	577.303	577.427	577.541	577.625	577.711	577.774	577.778
20	Aziruni III etp. A	Mz. I Lt 07	4	241.887	241.912	241.929	241.963	241.998	241.998	242.027	242.068	242.082	242.098
21	Aziruni III etp. A	Mz. L Lt 09	2	214.412	214.417	214.420	214.423	214.427	214.450	214.477	214.506	214.539	214.553
22	Aziruni III etp. B	Mz. P Lt 01	13	2684.636	2684.725	2684.818	2684.948	2685.078	2685.159	2685.232	2685.291	2685.360	2685.387
23	Aziruni II Etapa	Mz. C Lt 50	5	301.747	301.775	301.791	301.823	301.863	301.903	301.940	301.974	302.006	302.016
24	Aziruni II Etapa	Mz. C Lt 47	3	246.401	246.410	246.441	246.476	246.516	246.520	246.535	246.557	246.582	246.601



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

VIERNES 27 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	177.095	177.139	177.192	177.270	177.289	177.292	177.305	177.360	177.376	177.384
26	Aziruni II Etapa	Mz. B Lt 14-b	3	213.620	213.644	213.667	213.686	213.691	213.709	213.732	213.744	213.770	213.774
27	Aziruni II Etapa	Mz. B Lt 13	3	505.570	505.597	505.630	505.675	505.687	505.688	505.696	505.730	505.740	505.744
28	Aziruni II Etapa	Mz. B Lt 15	3	1236.577	1236.602	1236.664	1236.737	1236.822	1236.829	1236.860	1236.903	1236.956	1236.981
29	Aziruni II Etapa	Mz. B Lt 16	6	158.302	158.322	158.346	158.381	158.381	158.381	158.381	158.407	158.416	158.434
30	Aziruni II Etapa	Mz. J Lt 05	7	279.163	279.213	279.249	279.317	279.388	279.396	279.459	279.540	279.568	279.585
31	Aziruni II Etapa	Mz. J Lt 03	6	268.387	268.393	268.393	268.393	268.426	268.458	268.472	268.514	268.565	268.583
32	Aziruni I Etapa	Mz. 13 Lt 27	2	65.710	65.721	65.734	65.752	65.752	65.752	65.752	65.766	65.770	65.779
33	Aziruni I Etapa	Mz. 11 Lt 06	3	44.710	44.722	44.779	44.831	44.832	44.847	44.869	44.890	44.925	44.936
34	Aziruni I Etapa	Mz. 20 Lt 01	3	277.499	277.499	277.499	277.519	277.556	277.590	277.609	277.635	277.657	277.678
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1703.639	1703.653	1703.729	1703.800	1703.807	1703.829	1703.861	1703.887	1703.934	1703.944
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1878.598	1878.655	1878.705	1878.752	1878.767	1878.808	1878.863	1878.889	1878.947	1878.958
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2328.571	2328.594	2328.611	2328.642	2328.673	2328.674	2328.703	2328.740	2328.751	2328.765
38	Aziruni II Etapa	Mz. I Lt 10	5	614.038	614.060	614.119	614.213	614.288	614.334	614.402	614.444	614.472	614.488
39	Aziruni II Etapa	Mz. I Lt 14	2	1029.895	1029.899	1029.921	1029.941	1029.942	1029.949	1029.957	1029.965	1029.980	1029.984



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

SABADO 28 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	184.549	184.603	184.627	184.684	184.752	184.823	184.894	184.956	185.012	185.019
2	Aziruni III etp. A	Mz. P Lt 03	4	219.549	219.731	219.845	220.059	220.106	220.110	220.130	220.229	220.305	220.320
3	Aziruni III etp. A	Mz. J Lt 07	4	231.296	231.353	231.385	231.450	231.517	231.585	231.659	231.718	231.780	231.799
4	Aziruni III etp. A	Mz. k Lt 11	2	213.234	213.240	213.243	213.247	213.253	213.275	213.303	213.333	213.365	213.375
5	Aziruni III etp. A	Mz. J Lt 01	4	242.187	242.244	242.265	242.285	242.331	242.398	242.446	242.517	242.552	242.584
6	Aziruni III etp. A	Mz. D Lt 10	3	51.945	51.957	52.001	52.040	52.102	52.104	52.114	52.144	52.159	52.186
7	Aziruni III etp. A	Mz. C' Lt 03	5	142.006	142.097	142.148	142.237	142.237	142.237	142.237	142.237	142.255	142.255
8	Aziruni III etp. A	Mz. H Lt 01	2	250.325	250.374	250.374	250.374	250.374	250.374	250.374	250.374	250.404	250.411
9	Aziruni III etp. A	Mz. F Lt 02	4	217.869	217.900	217.942	217.996	218.047	218.093	218.116	218.129	218.143	218.148
10	Aziruni III etp. A	Mz. G Lt 10	8	302.547	302.660	302.808	302.984	303.149	303.307	303.383	303.430	303.484	303.486
11	Aziruni III etp. A	Mz. G Lt 09	4	384.338	384.340	384.340	384.361	384.401	384.439	384.464	384.492	384.518	384.543
12	Aziruni III etp. A	Mz. Y Lt 26	5	298.358	298.403	298.423	298.479	298.536	298.595	298.654	298.710	298.763	298.789
13	Aziruni III etp. A	Mz. Y Lt 25	3	372.509	372.547	372.590	372.654	372.669	372.670	372.679	372.725	372.739	372.750
14	Aziruni I Etapa	Mz. 19 Lt 27	3	164.923	165.008	165.101	165.193	165.193	165.193	165.193	165.226	165.231	165.231
15	Aziruni I Etapa	Mz. 19 Lt 28	3	98.851	98.851	98.852	98.854	98.854	98.875	98.944	99.028	99.138	99.144
16	Aziruni II Etapa	Mz. A Lt 34	3	92.387	92.421	92.476	92.552	92.626	92.629	92.630	92.643	92.658	92.681
17	Aziruni II Etapa	Mz. A Lt 11	5	106.515	106.556	106.576	106.636	106.678	106.726	106.786	106.834	106.878	106.930
18	Aziruni II Etapa	Mz. A Lt 14	4	1440.610	1440.673	1440.751	1440.861	1440.885	1440.885	1440.907	1440.990	1441.021	1441.039
19	Aziruni III etp. A	Mz. P Lt 12	8	577.778	577.925	578.048	578.225	578.392	578.401	578.419	578.452	578.487	578.529
20	Aziruni III etp. A	Mz. I Lt 07	4	242.098	242.129	242.139	242.150	242.175	242.214	242.237	242.273	242.293	242.315
21	Aziruni III etp. A	Mz. L Lt 09	2	214.570	214.586	214.592	214.598	214.613	214.633	214.646	214.666	214.678	214.687
22	Aziruni III etp. B	Mz. P Lt 01	13	2685.397	2685.423	2685.628	2685.801	2686.064	2686.294	2686.335	2686.449	2686.459	2686.474
23	Aziruni II Etapa	Mz. C Lt 50	5	302.016	302.036	302.089	302.172	302.234	302.277	302.330	302.366	302.391	302.396
24	Aziruni II Etapa	Mz. C Lt 47	3	246.606	246.646	246.691	246.757	246.772	246.775	246.785	246.833	246.847	246.857



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

SABADO 28 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	177.385	177.391	177.440	177.511	177.624	177.651	177.677	177.678	177.687	177.687
26	Aziruni II Etapa	Mz. B Lt 14-b	3	213.774	213.799	213.812	213.841	213.873	213.911	213.949	213.978	214.006	214.025
27	Aziruni II Etapa	Mz. B Lt 13	3	505.744	505.746	505.746	505.768	505.812	505.853	505.876	505.906	505.934	505.957
28	Aziruni II Etapa	Mz. B Lt 15	3	1237.008	1237.032	1237.103	1237.206	1237.286	1237.335	1237.407	1237.452	1237.483	1237.495
29	Aziruni II Etapa	Mz. B Lt 16	6	158.434	158.481	158.493	158.582	158.598	158.598	158.606	158.679	158.692	158.692
30	Aziruni II Etapa	Mz. J Lt 05	7	279.585	279.603	279.603	279.603	279.698	279.789	279.829	279.940	280.085	280.143
31	Aziruni II Etapa	Mz. J Lt 03	6	268.583	268.598	268.638	268.698	268.748	268.779	268.824	268.850	268.872	268.879
32	Aziruni I Etapa	Mz. 13 Lt 27	2	65.779	65.790	65.797	65.810	65.826	65.842	65.858	65.872	65.886	65.892
33	Aziruni I Etapa	Mz. 11 Lt 06	3	44.936	44.948	44.966	45.006	45.027	45.047	45.085	45.153	45.264	45.288
34	Aziruni I Etapa	Mz. 20 Lt 01	3	277.678	277.678	277.688	277.725	277.770	277.811	277.841	277.872	277.893	277.897
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1703.944	1703.959	1703.968	1703.981	1703.997	1704.078	1704.170	1704.267	1704.377	1704.424
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1878.958	1879.006	1879.041	1879.111	1879.232	1879.339	1879.455	1879.522	1879.540	1879.540
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2328.765	2328.772	2328.772	2328.772	2328.826	2328.875	2328.900	2328.960	2329.038	2329.062
38	Aziruni II Etapa	Mz. I Lt 10	5	614.507	614.563	614.593	614.664	614.738	614.817	614.898	614.972	615.033	615.085
39	Aziruni II Etapa	Mz. I Lt 14	2	1029.984	1029.999	1030.005	1030.021	1030.039	1030.057	1030.075	1030.092	1030.107	1030.115



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

DOMINGO 29 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	185.019	185.019	185.025	185.037	185.058	185.064	185.064	185.102	185.120	185.120
2	Aziruni III etp. A	Mz. P Lt 03	4	220.385	220.465	220.565	220.700	220.749	220.762	220.813	220.829	220.849	220.849
3	Aziruni III etp. A	Mz. J Lt 07	4	231.799	231.826	231.849	231.898	231.950	232.022	232.070	232.111	232.164	232.182
4	Aziruni III etp. A	Mz. k Lt 11	2	213.375	213.375	213.375	213.375	213.375	213.375	213.375	213.375	213.393	213.393
5	Aziruni III etp. A	Mz. J Lt 01	4	242.584	242.605	242.653	242.728	242.782	242.818	242.872	242.904	242.924	242.938
6	Aziruni III etp. A	Mz. D Lt 10	3	52.204	52.212	52.233	52.267	52.303	52.345	52.371	52.396	52.425	52.448
7	Aziruni III etp. A	Mz. C' Lt 03	5	142.255	142.272	142.294	142.324	142.379	142.393	142.446	142.492	142.508	142.508
8	Aziruni III etp. A	Mz. H Lt 01	2	250.411	250.422	250.455	250.506	250.543	250.567	250.601	250.623	250.639	250.645
9	Aziruni III etp. A	Mz. F Lt 02	4	218.148	218.185	218.229	218.293	218.307	218.307	218.318	218.364	218.381	218.389
10	Aziruni III etp. A	Mz. G Lt 10	8	303.515	303.655	303.825	304.057	304.083	304.091	304.103	304.139	304.162	304.162
11	Aziruni III etp. A	Mz. G Lt 09	4	384.543	384.572	384.608	384.658	384.665	384.665	384.665	384.679	384.679	384.679
12	Aziruni III etp. A	Mz. Y Lt 26	5	298.789	298.850	298.889	298.973	299.055	299.150	299.248	299.333	299.401	299.430
13	Aziruni III etp. A	Mz. Y Lt 25	3	372.750	372.767	372.793	372.823	372.823	372.823	372.823	372.851	372.861	372.895
14	Aziruni I Etapa	Mz. 19 Lt 27	3	165.242	165.259	165.269	165.288	165.311	165.335	165.357	165.377	165.394	165.402
15	Aziruni I Etapa	Mz. 19 Lt 28	3	99.154	99.154	99.166	99.182	99.281	99.307	99.358	99.469	99.558	99.576
16	Aziruni II Etapa	Mz. A Lt 34	3	92.681	92.686	92.686	92.720	92.786	92.851	92.892	92.941	92.983	93.015
17	Aziruni II Etapa	Mz. A Lt 11	5	106.955	106.967	107.014	107.071	107.146	107.221	107.283	107.339	107.400	107.428
18	Aziruni II Etapa	Mz. A Lt 14	4	1441.039	1441.056	1441.070	1441.080	1441.098	1441.162	1441.239	1441.324	1441.415	1441.440
19	Aziruni III etp. A	Mz. P Lt 12	8	578.529	578.561	578.617	578.702	578.817	578.932	579.020	579.109	579.163	579.274
20	Aziruni III etp. A	Mz. I Lt 07	4	242.315	242.366	242.433	242.522	242.526	242.526	242.526	242.533	242.700	242.736
21	Aziruni III etp. A	Mz. L Lt 09	2	214.697	214.701	214.703	214.705	214.709	214.728	214.751	214.775	214.802	214.814
22	Aziruni III etp. B	Mz. P Lt 01	13	2686.474	2686.522	2686.642	2686.826	2686.970	2687.067	2687.201	2687.284	2687.351	2687.388
23	Aziruni II Etapa	Mz. C Lt 50	5	302.396	302.425	302.485	302.572	302.707	302.740	302.773	302.779	302.785	302.785
24	Aziruni II Etapa	Mz. C Lt 47	3	246.860	246.896	246.960	247.028	247.080	247.086	247.103	247.168	247.187	247.198



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

DOMINGO 29 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	177.696	177.705	177.733	177.774	177.816	177.860	177.897	177.922	177.960	177.983
26	Aziruni II Etapa	Mz. B Lt 14-b	3	214.025	214.027	214.027	214.044	214.080	214.112	214.132	214.157	214.180	214.197
27	Aziruni II Etapa	Mz. B Lt 13	3	505.957	505.979	506.007	506.046	506.046	506.046	506.046	506.075	506.084	506.105
28	Aziruni II Etapa	Mz. B Lt 15	3	1237.495	1237.495	1237.495	1237.495	1237.515	1237.521	1237.561	1237.637	1237.708	1237.735
29	Aziruni II Etapa	Mz. B Lt 16	6	158.692	158.699	158.708	158.720	158.823	158.855	158.959	159.145	159.346	159.409
30	Aziruni II Etapa	Mz. J Lt 05	7	280.143	280.208	280.293	280.407	280.431	280.433	280.452	280.539	280.566	280.591
31	Aziruni II Etapa	Mz. J Lt 03	6	268.879	268.895	268.903	268.921	268.942	268.964	268.985	269.004	269.020	269.022
32	Aziruni I Etapa	Mz. 13 Lt 27	2	65.899	65.903	65.916	65.934	65.934	65.934	65.934	65.948	65.952	65.961
33	Aziruni I Etapa	Mz. 11 Lt 06	3	45.288	45.303	45.321	45.336	45.346	45.346	45.346	45.365	45.371	45.386
34	Aziruni I Etapa	Mz. 20 Lt 01	3	277.897	277.906	277.910	277.914	277.921	277.956	277.998	278.043	278.090	278.110
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1704.424	1704.424	1704.424	1704.424	1704.524	1704.551	1704.633	1704.741	1704.768	1704.768
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1879.540	1879.540	1879.563	1879.656	1879.782	1879.895	1879.975	1880.055	1880.114	1880.115
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2329.062	2329.088	2329.147	2329.246	2329.316	2329.371	2329.434	2329.476	2329.502	2329.521
38	Aziruni II Etapa	Mz. I Lt 10	5	615.108	615.108	615.122	615.149	615.182	615.212	615.245	615.273	615.299	615.306
39	Aziruni II Etapa	Mz. I Lt 14	2	1030.115	1030.117	1030.117	1030.117	1030.133	1030.148	1030.154	1030.172	1030.195	1030.207



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

LUNES 30 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	185.136	185.211	185.354	185.450	185.485	185.495	185.523	185.628	185.661	185.672
2	Aziruni III etp. A	Mz. P Lt 03	4	220.849	220.867	220.895	220.921	220.932	220.950	220.988	221.019	221.025	221.025
3	Aziruni III etp. A	Mz. J Lt 07	4	232.193	232.223	232.276	232.332	232.379	232.405	232.446	232.467	232.485	232.498
4	Aziruni III etp. A	Mz. k Lt 11	2	213.393	213.403	213.418	213.429	213.429	213.429	213.429	213.441	213.445	213.454
5	Aziruni III etp. A	Mz. J Lt 01	4	242.943	242.954	242.975	243.011	243.050	243.089	243.124	243.157	243.176	243.211
6	Aziruni III etp. A	Mz. D Lt 10	3	52.453	52.455	52.455	52.484	52.540	52.589	52.619	52.660	52.692	52.731
7	Aziruni III etp. A	Mz. C' Lt 03	5	142.508	142.544	142.601	142.641	142.653	142.654	142.666	142.708	142.724	142.729
8	Aziruni III etp. A	Mz. H Lt 01	2	250.645	250.667	250.694	250.720	250.743	250.756	250.773	250.784	250.794	250.802
9	Aziruni III etp. A	Mz. F Lt 02	4	218.389	218.424	218.482	218.522	218.536	218.537	218.549	218.592	218.605	218.614
10	Aziruni III etp. A	Mz. G Lt 10	8	304.173	304.244	304.340	304.462	304.591	304.682	304.750	304.818	304.882	304.937
11	Aziruni III etp. A	Mz. G Lt 09	4	384.679	384.719	384.771	384.821	384.866	384.891	384.931	384.953	384.972	384.979
12	Aziruni III etp. A	Mz. Y Lt 26	5	299.445	299.516	299.630	299.738	299.837	299.882	299.961	300.007	300.049	300.083
13	Aziruni III etp. A	Mz. Y Lt 25	3	372.895	372.919	372.956	372.984	372.984	372.984	372.984	373.013	373.023	373.043
14	Aziruni I Etapa	Mz. 19 Lt 27	3	165.402	165.408	165.429	165.454	165.480	165.484	165.495	165.509	165.526	165.531
15	Aziruni I Etapa	Mz. 19 Lt 28	3	99.576	99.608	99.684	99.775	99.879	99.885	99.923	99.971	100.035	100.076
16	Aziruni II Etapa	Mz. A Lt 34	3	93.021	93.047	93.094	93.128	93.141	93.141	93.151	93.187	93.199	93.204
17	Aziruni II Etapa	Mz. A Lt 11	5	107.436	107.490	107.543	107.642	107.672	107.679	107.692	107.763	107.785	107.797
18	Aziruni II Etapa	Mz. A Lt 14	4	1441.440	1441.451	1441.461	1441.466	1441.479	1441.531	1441.592	1441.655	1441.724	1441.754
19	Aziruni III etp. A	Mz. P Lt 12	8	579.274	579.340	579.412	579.518	579.614	579.683	579.742	579.798	579.853	579.881
20	Aziruni III etp. A	Mz. I Lt 07	4	242.736	242.748	242.770	242.810	242.856	242.908	242.947	242.983	243.005	243.047
21	Aziruni III etp. A	Mz. L Lt 09	2	214.831	214.834	214.842	214.857	214.874	214.892	214.907	214.920	214.928	214.948
22	Aziruni III etp. B	Mz. P Lt 01	13	2687.409	2687.531	2687.697	2687.850	2687.991	2688.058	2688.165	2688.226	2688.290	2688.323
23	Aziruni II Etapa	Mz. C Lt 50	5	302.807	302.820	302.828	302.833	302.843	302.895	302.955	303.023	303.092	303.126
24	Aziruni II Etapa	Mz. C Lt 47	3	247.213	247.233	247.255	247.286	247.316	247.336	247.353	247.370	247.386	247.401



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

LUNES 30 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	177.999	178.037	178.093	178.132	178.146	178.149	178.160	178.204	178.218	178.226
26	Aziruni II Etapa	Mz. B Lt 14-b	3	214.197	214.212	214.235	214.252	214.252	214.252	214.252	214.270	214.276	214.288
27	Aziruni II Etapa	Mz. B Lt 13	3	506.105	506.115	506.144	506.176	506.212	506.212	506.228	506.248	506.273	506.284
28	Aziruni II Etapa	Mz. B Lt 15	3	1237.735	1237.748	1237.776	1237.827	1237.885	1237.952	1237.997	1238.045	1238.073	1238.125
29	Aziruni II Etapa	Mz. B Lt 16	6	159.419	159.477	159.560	159.640	159.711	159.746	159.805	159.840	159.875	159.884
30	Aziruni II Etapa	Mz. J Lt 05	7	280.599	280.660	280.737	280.840	280.942	281.015	281.077	281.128	281.185	281.223
31	Aziruni II Etapa	Mz. J Lt 03	6	269.039	269.114	269.243	269.382	269.440	269.531	269.720	269.869	269.919	269.923
32	Aziruni I Etapa	Mz. 13 Lt 27	2	65.961	65.965	65.975	65.991	66.013	66.038	66.057	66.075	66.085	66.105
33	Aziruni I Etapa	Mz. 11 Lt 06	3	45.394	45.416	45.464	45.496	45.507	45.509	45.516	45.552	45.564	45.573
34	Aziruni I Etapa	Mz. 20 Lt 01	3	278.110	278.120	278.140	278.175	278.220	278.261	278.297	278.330	278.351	278.393
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1704.768	1704.768	1704.799	1704.887	1705.010	1705.117	1705.198	1705.280	1705.340	1705.346
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1880.115	1880.177	1880.263	1880.346	1880.414	1880.446	1880.499	1880.532	1880.564	1880.580
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2329.521	2329.533	2329.559	2329.599	2329.651	2329.712	2329.750	2329.794	2329.818	2329.877
38	Aziruni II Etapa	Mz. I Lt 10	5	615.306	615.330	615.362	615.394	615.422	615.437	615.460	615.474	615.485	615.490
39	Aziruni II Etapa	Mz. I Lt 14	2	1030.207	1030.227	1030.258	1030.279	1030.279	1030.279	1030.279	1030.302	1030.311	1030.328



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MARTES 31 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	185.680	185.709	185.744	185.792	185.843	185.872	185.900	185.928	185.963	185.981
2	Aziruni III etp. A	Mz. P Lt 03	4	221.025	221.039	221.055	221.074	221.094	221.105	221.116	221.127	221.142	221.147
3	Aziruni III etp. A	Mz. J Lt 07	4	232.498	232.500	232.529	232.580	232.639	232.693	232.711	232.733	232.763	232.826
4	Aziruni III etp. A	Mz. k Lt 11	2	213.467	213.467	213.470	213.481	213.481	213.481	213.481	213.491	213.498	213.539
5	Aziruni III etp. A	Mz. J Lt 01	4	243.211	243.229	243.251	243.280	243.309	243.328	243.345	243.361	243.383	243.392
6	Aziruni III etp. A	Mz. D Lt 10	3	52.731	52.736	52.750	52.770	52.794	52.823	52.845	52.863	52.875	52.902
7	Aziruni III etp. A	Mz. C' Lt 03	5	142.729	142.765	142.817	142.854	142.865	142.869	142.878	142.915	142.930	142.943
8	Aziruni III etp. A	Mz. H Lt 01	2	250.812	250.812	250.828	250.856	250.884	250.912	250.922	250.934	250.950	250.977
9	Aziruni III etp. A	Mz. F Lt 02	4	218.614	218.642	218.679	218.715	218.746	218.764	218.787	218.805	218.817	218.828
10	Aziruni III etp. A	Mz. G Lt 10	8	304.951	304.979	305.028	305.121	305.219	305.326	305.411	305.488	305.534	305.643
11	Aziruni III etp. A	Mz. G Lt 09	4	384.979	385.020	385.080	385.125	385.142	385.142	385.154	385.198	385.217	385.241
12	Aziruni III etp. A	Mz. Y Lt 26	5	300.104	300.125	300.144	300.193	300.246	300.323	300.379	300.426	300.481	300.492
13	Aziruni III etp. A	Mz. Y Lt 25	3	373.043	373.075	373.124	373.161	373.172	373.173	373.181	373.215	373.227	373.244
14	Aziruni I Etapa	Mz. 19 Lt 27	3	165.531	165.534	165.542	165.553	165.568	165.585	165.596	165.607	165.614	165.632
15	Aziruni I Etapa	Mz. 19 Lt 28	3	100.104	100.114	100.132	100.162	100.197	100.236	100.268	100.297	100.313	100.345
16	Aziruni II Etapa	Mz. A Lt 34	3	93.211	93.238	93.287	93.325	93.336	93.336	93.344	93.378	93.393	93.406
17	Aziruni II Etapa	Mz. A Lt 11	5	107.797	107.835	107.886	107.938	107.982	108.006	108.045	108.069	108.089	108.096
18	Aziruni II Etapa	Mz. A Lt 14	4	1441.754	1441.766	1441.779	1441.805	1441.835	1441.878	1441.909	1441.935	1441.967	1441.968
19	Aziruni III etp. A	Mz. P Lt 12	8	579.891	579.892	579.892	579.951	580.072	580.183	580.255	580.348	580.422	580.498
20	Aziruni III etp. A	Mz. I Lt 07	4	243.075	243.087	243.095	243.103	243.111	243.159	243.212	243.269	243.330	243.356
21	Aziruni III etp. A	Mz. L Lt 09	2	214.948	214.963	214.984	215.005	215.023	215.031	215.046	215.054	215.061	215.065
22	Aziruni III etp. B	Mz. P Lt 01	13	2688.323	2688.324	2688.386	2688.493	2688.606	2688.720	2688.756	2688.794	2688.861	2689.012
23	Aziruni II Etapa	Mz. C Lt 50	5	303.134	303.167	303.223	303.269	303.284	303.287	303.296	303.337	303.356	303.373
24	Aziruni II Etapa	Mz. C Lt 47	3	247.401	247.416	247.434	247.457	247.480	247.492	247.504	247.516	247.532	247.542



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MARTES 31 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	178.226	178.226	178.237	178.272	178.316	178.355	178.383	178.409	178.430	178.433
26	Aziruni II Etapa	Mz. B Lt 14-b	3	214.288	214.302	214.323	214.339	214.339	214.339	214.339	214.355	214.360	214.377
27	Aziruni II Etapa	Mz. B Lt 13	3	506.284	506.291	506.298	506.313	506.328	506.349	506.365	506.377	506.394	506.396
28	Aziruni II Etapa	Mz. B Lt 15	3	1238.142	1238.180	1238.229	1238.277	1238.316	1238.339	1238.371	1238.395	1238.413	1238.428
29	Aziruni II Etapa	Mz. B Lt 16	6	159.884	159.947	160.023	160.095	160.095	160.095	160.095	160.095	160.282	160.282
30	Aziruni II Etapa	Mz. J Lt 05	7	281.223	281.278	281.338	281.417	281.502	281.553	281.600	281.640	281.694	281.721
31	Aziruni II Etapa	Mz. J Lt 03	6	269.923	269.949	270.014	270.092	270.177	270.183	270.218	270.265	270.324	270.342
32	Aziruni I Etapa	Mz. 13 Lt 27	2	66.105	66.105	66.105	66.105	66.105	66.105	66.105	66.105	66.105	66.105
33	Aziruni I Etapa	Mz. 11 Lt 06	3	45.573	45.578	45.583	45.587	45.593	45.617	45.645	45.674	45.707	45.721
34	Aziruni I Etapa	Mz. 20 Lt 01	3	278.399	278.437	278.502	278.553	278.572	278.576	278.588	278.636	278.652	278.665
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1705.373	1705.407	1705.452	1705.509	1705.569	1705.605	1705.637	1705.668	1705.709	1705.728
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1880.580	1880.623	1880.674	1880.742	1880.804	1880.842	1880.882	1880.914	1880.960	1880.969
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2329.877	2329.923	2329.978	2330.046	2330.115	2330.152	2330.190	2330.225	2330.272	2330.285
38	Aziruni II Etapa	Mz. I Lt 10	5	615.490	615.504	615.515	615.545	615.576	615.619	615.650	615.674	615.708	615.715
39	Aziruni II Etapa	Mz. I Lt 14	2	1030.328	1030.332	1030.334	1030.337	1030.341	1030.358	1030.377	1030.398	1030.420	1030.430



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MIÉRCOLES 01 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	185.981	186.007	186.039	186.079	186.123	186.147	186.170	186.190	186.219	186.233
2	Aziruni III etp. A	Mz. P Lt 03	4	221.147	221.161	221.178	221.202	221.226	221.241	221.254	221.266	221.282	221.292
3	Aziruni III etp. A	Mz. J Lt 07	4	232.826	232.838	232.860	232.898	232.939	232.991	233.031	233.066	233.087	233.127
4	Aziruni III etp. A	Mz. k Lt 11	2	213.539	213.552	213.570	213.585	213.585	213.585	213.585	213.599	213.618	213.618
5	Aziruni III etp. A	Mz. J Lt 01	4	243.401	243.401	243.409	243.410	243.421	243.443	243.452	243.482	243.490	243.490
6	Aziruni III etp. A	Mz. D Lt 10	3	52.902	52.927	52.962	52.990	52.998	52.999	53.006	53.031	53.053	53.053
7	Aziruni III etp. A	Mz. C' Lt 03	5	142.943	142.952	142.969	142.992	143.024	143.064	143.093	143.112	143.126	143.158
8	Aziruni III etp. A	Mz. H Lt 01	2	250.985	251.004	251.044	251.076	251.087	251.088	251.096	251.125	251.146	251.146
9	Aziruni III etp. A	Mz. F Lt 02	4	218.828	218.850	218.877	218.909	218.942	218.964	218.982	218.998	219.017	219.033
10	Aziruni III etp. A	Mz. G Lt 10	8	305.666	305.780	305.922	306.035	306.081	306.165	306.213	306.289	306.368	306.368
11	Aziruni III etp. A	Mz. G Lt 09	4	385.241	385.267	385.303	385.356	385.398	385.424	385.437	385.455	385.485	385.505
12	Aziruni III etp. A	Mz. Y Lt 26	5	300.492	300.501	300.528	300.569	300.626	300.691	300.730	300.764	300.787	300.838
13	Aziruni III etp. A	Mz. Y Lt 25	3	373.244	373.270	373.317	373.367	373.424	373.469	373.493	373.513	373.534	373.540
14	Aziruni I Etapa	Mz. 19 Lt 27	3	165.632	165.647	165.669	165.685	165.685	165.685	165.685	165.701	165.707	165.723
15	Aziruni I Etapa	Mz. 19 Lt 28	3	100.358	100.388	100.412	100.513	100.521	100.523	100.524	100.559	100.597	100.614
16	Aziruni II Etapa	Mz. A Lt 34	3	93.406	93.428	93.451	93.483	93.517	93.534	93.554	93.569	93.593	93.602
17	Aziruni II Etapa	Mz. A Lt 11	5	108.096	108.107	108.138	108.182	108.241	108.301	108.350	108.400	108.429	108.507
18	Aziruni II Etapa	Mz. A Lt 14	4	1441.968	1441.993	1442.029	1442.077	1442.120	1442.145	1442.158	1442.177	1442.205	1442.222
19	Aziruni III etp. A	Mz. P Lt 12	8	580.498	580.527	580.576	580.646	580.752	580.873	580.948	581.010	581.054	581.151
20	Aziruni III etp. A	Mz. I Lt 07	4	243.356	243.394	243.450	243.490	243.502	243.506	243.517	243.557	243.574	243.589
21	Aziruni III etp. A	Mz. L Lt 09	2	215.065	215.075	215.093	215.111	215.131	215.149	215.157	215.166	215.170	215.176
22	Aziruni III etp. B	Mz. P Lt 01	13	2689.012	2689.086	2689.168	2689.286	2689.401	2689.460	2689.525	2689.576	2689.651	2689.690
23	Aziruni II Etapa	Mz. C Lt 50	5	303.373	303.420	303.474	303.547	303.624	303.675	303.719	303.760	303.799	303.820
24	Aziruni II Etapa	Mz. C Lt 47	3	247.542	247.543	247.543	247.559	247.591	247.619	247.638	247.659	247.679	247.696



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MIÉRCOLES 01 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	178.439	178.473	178.529	178.573	178.589	178.590	178.601	178.641	178.655	178.674
26	Aziruni II Etapa	Mz. B Lt 14-b	3	214.377	214.395	214.422	214.443	214.443	214.443	214.443	214.462	214.471	214.488
27	Aziruni II Etapa	Mz. B Lt 13	3	506.396	506.407	506.419	506.435	506.450	506.460	506.470	506.478	506.489	506.492
28	Aziruni II Etapa	Mz. B Lt 15	3	1238.428	1238.432	1238.440	1238.451	1238.465	1238.479	1238.491	1238.503	1238.510	1238.524
29	Aziruni II Etapa	Mz. B Lt 16	6	160.282	160.330	160.401	160.456	160.475	160.480	160.495	160.544	160.569	160.577
30	Aziruni II Etapa	Mz. J Lt 05	7	281.721	281.769	281.852	281.937	282.029	282.104	282.141	282.181	282.232	282.232
31	Aziruni II Etapa	Mz. J Lt 03	6	270.342	270.402	270.490	270.555	270.579	270.580	270.597	270.660	270.686	270.717
32	Aziruni I Etapa	Mz. 13 Lt 27	2	66.105	66.117	66.130	66.147	66.165	66.177	66.188	66.197	66.205	66.210
33	Aziruni I Etapa	Mz. 11 Lt 06	3	45.721	45.755	45.791	45.818	45.830	45.848	45.865	45.873	45.900	45.900
34	Aziruni I Etapa	Mz. 20 Lt 01	3	278.672	278.710	278.780	278.834	278.853	278.853	278.866	278.918	278.941	278.954
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1705.728	1705.758	1705.805	1705.870	1705.923	1705.959	1705.979	1706.005	1706.041	1706.046
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1880.969	1880.984	1880.990	1880.996	1881.008	1881.066	1881.139	1881.212	1881.292	1881.338
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2330.285	2330.343	2330.436	2330.551	2330.657	2330.720	2330.750	2330.790	2330.859	2330.899
38	Aziruni II Etapa	Mz. I Lt 10	5	615.715	615.715	615.723	615.760	615.805	615.848	615.878	615.908	615.929	615.933
39	Aziruni II Etapa	Mz. I Lt 14	2	1030.430	1030.430	1030.434	1030.450	1030.450	1030.450	1030.450	1030.464	1030.474	1030.528



UNIVERSIDAD NACIONAL DEL ALTIPLANO
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ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

JUEVES 02 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	186.233	186.287	186.365	186.429	186.447	186.452	186.468	186.527	186.552	186.572
2	Aziruni III etp. A	Mz. P Lt 03	4	221.292	221.298	221.315	221.350	221.350	221.350	221.350	221.370	221.420	221.420
3	Aziruni III etp. A	Mz. J Lt 07	4	233.127	233.175	233.250	233.307	233.324	233.324	233.337	233.391	233.414	233.436
4	Aziruni III etp. A	Mz. k Lt 11	2	213.618	213.637	213.663	213.684	213.684	213.684	213.684	213.702	213.730	213.730
5	Aziruni III etp. A	Mz. J Lt 01	4	243.490	243.503	243.514	243.521	243.538	243.561	243.583	243.603	243.617	243.638
6	Aziruni III etp. A	Mz. D Lt 10	3	53.053	53.083	53.129	53.166	53.177	53.177	53.184	53.216	53.230	53.250
7	Aziruni III etp. A	Mz. C' Lt 03	5	143.158	143.193	143.242	143.281	143.292	143.296	143.305	143.340	143.355	143.367
8	Aziruni III etp. A	Mz. H Lt 01	2	251.146	251.172	251.209	251.239	251.248	251.248	251.254	251.281	251.292	251.304
9	Aziruni III etp. A	Mz. F Lt 02	4	219.033	219.045	219.075	219.138	219.149	219.171	219.179	219.214	219.228	219.252
10	Aziruni III etp. A	Mz. G Lt 10	8	306.368	306.481	306.652	306.755	306.820	306.823	306.855	306.945	307.015	307.069
11	Aziruni III etp. A	Mz. G Lt 09	4	385.505	385.548	385.609	385.656	385.669	385.674	385.685	385.727	385.746	385.761
12	Aziruni III etp. A	Mz. Y Lt 26	5	300.874	301.013	301.210	301.220	301.220	301.220	301.220	301.220	301.220	301.220
13	Aziruni III etp. A	Mz. Y Lt 25	3	373.558	373.637	373.754	373.849	373.874	373.882	373.901	373.979	374.015	374.049
14	Aziruni I Etapa	Mz. 19 Lt 27	3	165.723	165.739	165.770	165.879	165.905	165.909	165.923	165.982	166.003	166.021
15	Aziruni I Etapa	Mz. 19 Lt 28	3	100.614	100.614	100.640	100.648	100.648	100.648	100.648	100.656	100.661	100.661
16	Aziruni II Etapa	Mz. A Lt 34	3	93.606	93.628	93.641	93.665	93.665	93.665	93.665	93.669	93.707	93.747
17	Aziruni II Etapa	Mz. A Lt 11	5	108.507	108.560	108.640	108.698	108.716	108.722	108.734	108.793	108.816	108.848
18	Aziruni II Etapa	Mz. A Lt 14	4	1442.222	1442.236	1442.273	1442.350	1442.367	1442.396	1442.410	1442.459	1442.479	1442.503
19	Aziruni III etp. A	Mz. P Lt 12	8	581.151	581.240	581.478	581.659	581.713	581.727	581.769	581.912	581.976	582.004
20	Aziruni III etp. A	Mz. I Lt 07	4	243.589	243.611	243.655	243.749	243.772	243.811	243.824	243.878	243.902	243.922
21	Aziruni III etp. A	Mz. L Lt 09	2	215.176	215.186	215.199	215.216	215.234	215.243	215.253	215.261	215.273	215.280
22	Aziruni III etp. B	Mz. P Lt 01	13	2689.690	2689.767	2689.977	2690.134	2690.182	2690.191	2690.226	2690.358	2690.412	2690.441
23	Aziruni II Etapa	Mz. C Lt 50	5	303.820	303.831	303.858	303.898	303.946	304.002	304.038	304.079	304.101	304.149



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

JUEVES 02 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
24	Aziruni II Etapa	Mz. C Lt 47	3	247.696	247.708	247.736	247.791	247.804	247.826	247.835	247.869	247.883	247.891
25	Aziruni II Etapa	Mz. B Lt 03	4	178.674	178.704	178.738	178.785	178.832	178.858	178.883	178.905	178.939	178.963
26	Aziruni II Etapa	Mz. B Lt 14-b	3	214.488	214.512	214.541	214.580	214.617	214.640	214.663	214.681	214.709	214.725
27	Aziruni II Etapa	Mz. B Lt 13	3	506.492	506.494	506.498	506.505	506.513	506.522	506.528	506.534	506.538	506.548
28	Aziruni II Etapa	Mz. B Lt 15	3	1238.539	1238.613	1238.653	1238.698	1238.712	1238.715	1238.726	1238.768	1238.785	1238.796
29	Aziruni II Etapa	Mz. B Lt 16	6	160.577	160.621	160.656	160.686	160.686	160.688	160.696	160.723	160.735	160.738
30	Aziruni II Etapa	Mz. J Lt 05	7	282.232	282.318	282.404	282.518	282.634	282.720	282.781	282.841	282.901	282.923
31	Aziruni II Etapa	Mz. J Lt 03	6	270.717	270.717	270.731	270.835	270.869	270.872	270.890	270.923	270.983	270.990
32	Aziruni I Etapa	Mz. 13 Lt 27	2	66.210	66.252	66.299	66.360	66.423	66.465	66.498	66.529	66.560	66.572
33	Aziruni I Etapa	Mz. 11 Lt 06	3	45.900	45.909	45.909	45.921	45.921	45.921	45.921	45.932	45.968	45.968
34	Aziruni I Etapa	Mz. 20 Lt 01	3	278.954	278.961	278.980	279.016	279.027	279.028	279.035	279.066	279.080	279.146
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1706.065	1706.094	1706.196	1706.330	1706.401	1706.451	1706.490	1706.633	1706.786	1706.933
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1881.349	1881.397	1881.461	1881.544	1881.623	1881.671	1881.714	1881.754	1881.809	1881.829
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2330.899	2330.913	2330.928	2330.949	2330.970	2330.983	2330.996	2331.007	2331.022	2331.023
38	Aziruni II Etapa	Mz. I Lt 10	5	615.933	615.946	615.967	615.997	616.007	616.010	616.016	616.045	616.056	616.099
39	Aziruni II Etapa	Mz. I Lt 14	2	1030.528	1030.549	1030.597	1030.614	1030.614	1030.614	1030.614	1030.626	1030.626	1030.626



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

VIERNES 03 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA										
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00	
1	Aziruni III etp. A	Mz. P Lt 02	5	186.572	186.594	186.651	186.671	186.671	186.671	186.671	186.671	186.717	186.717	186.724
2	Aziruni III etp. A	Mz. P Lt 03	4	221.430	221.457	221.528	221.530	221.530	221.530	221.530	221.530	221.533	221.533	221.557
3	Aziruni III etp. A	Mz. J Lt 07	4	233.448	233.560	233.684	233.718	233.727	233.752	233.775	233.775	233.775	233.775	233.803
4	Aziruni III etp. A	Mz. k Lt 11	2	213.730	213.739	213.765	213.770	213.777	213.777	213.777	213.777	213.786	213.790	213.797
5	Aziruni III etp. A	Mz. J Lt 01	4	243.638	243.697	243.780	243.795	243.815	243.819	243.834	243.834	243.968	243.992	243.996
6	Aziruni III etp. A	Mz. D Lt 10	3	53.250	53.268	53.296	53.358	53.396	53.422	53.422	53.422	53.422	53.445	53.445
7	Aziruni III etp. A	Mz. C' Lt 03	5	143.367	143.367	143.419	143.453	143.455	143.455	143.455	143.455	143.471	143.479	143.482
8	Aziruni III etp. A	Mz. H Lt 01	2	251.316	251.316	251.328	251.340	251.358	251.358	251.358	251.358	251.358	251.358	251.358
9	Aziruni III etp. A	Mz. F Lt 02	4	219.252	219.280	219.297	219.297	219.372	219.372	219.372	219.397	219.397	219.416	219.416
10	Aziruni III etp. A	Mz. G Lt 10	8	307.084	307.116	307.236	307.383	307.464	307.464	307.464	307.497	307.557	307.627	307.692
11	Aziruni III etp. A	Mz. G Lt 09	4	385.761	385.832	385.881	385.893	385.913	385.913	385.913	385.915	385.921	385.921	385.924
12	Aziruni III etp. A	Mz. Y Lt 26	5	301.220	301.269	301.325	301.405	301.480	301.527	301.527	301.573	301.616	301.666	301.686
13	Aziruni III etp. A	Mz. Y Lt 25	3	374.073	374.120	374.169	374.234	374.300	374.346	374.346	374.381	374.416	374.449	374.476
14	Aziruni I Etapa	Mz. 19 Lt 27	3	166.021	166.058	166.104	166.162	166.225	166.258	166.258	166.296	166.327	166.368	166.391
15	Aziruni I Etapa	Mz. 19 Lt 28	3	100.661	100.699	100.736	100.736	100.753	100.753	100.753	100.768	100.792	100.796	100.796
16	Aziruni II Etapa	Mz. A Lt 34	3	93.747	93.772	93.793	93.815	93.815	93.815	93.815	93.815	93.815	93.815	93.815
17	Aziruni II Etapa	Mz. A Lt 11	5	108.848	108.938	109.009	109.072	109.134	109.138	109.138	109.197	109.238	109.251	109.251
18	Aziruni II Etapa	Mz. A Lt 14	4	1442.503	1442.532	1442.581	1442.640	1442.682	1442.716	1442.716	1442.734	1442.786	1442.805	1442.820
19	Aziruni III etp. A	Mz. P Lt 12	8	582.004	582.058	582.114	582.157	582.246	582.364	582.467	582.467	582.564	582.626	582.709
20	Aziruni III etp. A	Mz. I Lt 07	4	243.922	243.980	244.027	244.086	244.099	244.111	244.111	244.131	244.174	244.208	244.233
21	Aziruni III etp. A	Mz. L Lt 09	2	215.280	215.296	215.314	215.353	215.353	215.353	215.353	215.353	215.365	215.373	215.404
22	Aziruni III etp. B	Mz. P Lt 01	13	2690.441	2690.682	2690.839	2690.864	2690.869	2690.869	2690.869	2690.869	2690.884	2690.884	2690.884
23	Aziruni II Etapa	Mz. C Lt 50	5	304.149	304.181	304.229	304.293	304.340	304.370	304.370	304.390	304.446	304.466	304.490
24	Aziruni II Etapa	Mz. C Lt 47	3	247.891	247.915	247.941	247.976	248.012	248.032	248.032	248.053	248.072	248.095	248.100



UNIVERSIDAD NACIONAL DEL ALTIPLANO
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**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

VIERNES 03 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	178.963	179.020	179.062	179.116	179.129	179.144	179.159	179.200	179.233	179.254
26	Aziruni II Etapa	Mz. B Lt 14-b	3	214.740	214.747	214.766	214.785	214.798	214.798	214.800	214.817	214.828	214.828
27	Aziruni II Etapa	Mz. B Lt 13	3	506.548	506.559	506.577	506.590	506.617	506.617	506.622	506.635	506.635	506.635
28	Aziruni II Etapa	Mz. B Lt 15	3	1238.796	1238.870	1238.922	1238.922	1238.922	1238.922	1238.935	1238.957	1238.975	1238.981
29	Aziruni II Etapa	Mz. B Lt 16	6	160.751	160.773	160.792	160.792	160.810	160.810	160.821	160.821	160.825	160.825
30	Aziruni II Etapa	Mz. J Lt 05	7	282.935	282.951	282.961	282.972	282.994	283.082	283.191	283.302	283.418	283.472
31	Aziruni II Etapa	Mz. J Lt 03	6	270.998	271.105	271.185	271.291	271.291	271.291	271.306	271.306	271.306	271.306
32	Aziruni I Etapa	Mz. 13 Lt 27	2	66.572	66.572	66.621	66.691	66.691	66.691	66.691	66.692	66.692	66.692
33	Aziruni I Etapa	Mz. 11 Lt 06	3	45.972	46.011	46.043	46.045	46.045	46.045	46.055	46.090	46.090	46.090
34	Aziruni I Etapa	Mz. 20 Lt 01	3	279.153	279.281	279.405	279.525	279.543	279.564	279.599	279.612	279.612	279.612
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1706.936	1706.971	1707.000	1707.031	1707.069	1707.082	1707.109	1707.180	1707.193	1707.207
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1881.829	1881.905	1882.001	1882.133	1882.266	1882.339	1882.417	1882.480	1882.567	1882.599
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2331.023	2331.107	2331.173	2331.294	2331.294	2331.294	2331.304	2331.304	2331.310	2331.310
38	Aziruni II Etapa	Mz. I Lt 10	5	616.114	616.185	616.242	616.259	616.273	616.302	616.368	616.418	616.418	616.418
39	Aziruni II Etapa	Mz. I Lt 14	2	1030.626	1030.632	1030.640	1030.650	1030.660	1030.666	1030.672	1030.677	1030.684	1030.689



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

SABADO 04 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	186.745	186.799	186.826	186.884	186.952	187.027	187.093	187.143	187.214	187.218
2	Aziruni III etp. A	Mz. P Lt 03	4	221.557	221.562	221.570	221.580	221.594	221.608	221.621	221.631	221.637	221.643
3	Aziruni III etp. A	Mz. J Lt 07	4	233.828	233.915	234.002	234.112	234.239	234.251	234.273	234.289	234.307	234.307
4	Aziruni III etp. A	Mz. k Lt 11	2	213.801	213.813	213.830	213.850	213.850	213.850	213.850	213.861	213.866	213.923
5	Aziruni III etp. A	Mz. J Lt 01	4	243.996	244.000	244.002	244.007	244.012	244.018	244.023	244.027	244.033	244.034
6	Aziruni III etp. A	Mz. D Lt 10	3	53.445	53.461	53.477	53.512	53.554	53.605	53.642	53.675	53.714	53.720
7	Aziruni III etp. A	Mz. C' Lt 03	5	143.494	143.545	143.601	143.636	143.643	143.645	143.652	143.692	143.711	143.715
8	Aziruni III etp. A	Mz. H Lt 01	2	251.358	251.371	251.379	251.396	251.416	251.435	251.455	251.473	251.489	251.493
9	Aziruni III etp. A	Mz. F Lt 02	4	219.422	219.434	219.456	219.491	219.538	219.593	219.631	219.662	219.685	219.735
10	Aziruni III etp. A	Mz. G Lt 10	8	307.726	307.864	308.001	308.167	308.359	308.376	308.411	308.443	308.471	308.471
11	Aziruni III etp. A	Mz. G Lt 09	4	385.924	385.940	385.949	385.969	385.992	386.014	386.038	386.056	386.073	386.080
12	Aziruni III etp. A	Mz. Y Lt 26	5	301.700	301.764	301.828	301.907	301.996	302.011	302.027	302.043	302.056	302.056
13	Aziruni III etp. A	Mz. Y Lt 25	3	374.493	374.540	374.588	374.689	374.794	374.951	375.063	375.157	375.281	375.296
14	Aziruni I Etapa	Mz. 19 Lt 27	3	166.416	166.518	166.625	166.691	166.703	166.706	166.719	166.793	166.833	166.845
15	Aziruni I Etapa	Mz. 19 Lt 28	3	100.815	100.897	100.979	101.088	101.200	101.209	101.227	101.245	101.258	101.258
16	Aziruni II Etapa	Mz. A Lt 34	3	93.815	93.826	93.846	93.870	93.903	93.937	93.966	93.992	94.004	94.028
17	Aziruni II Etapa	Mz. A Lt 11	5	109.251	109.350	109.458	109.519	109.532	109.537	109.549	109.622	109.660	109.668
18	Aziruni II Etapa	Mz. A Lt 14	4	1442.820	1442.854	1442.910	1442.970	1443.065	1443.108	1443.146	1443.180	1443.188	1443.188
19	Aziruni III etp. A	Mz. P Lt 12	8	582.709	582.739	582.824	582.952	583.117	583.328	583.474	583.578	583.653	583.810
20	Aziruni III etp. A	Mz. I Lt 07	4	244.233	244.255	244.286	244.329	244.381	244.438	244.485	244.524	244.544	244.580
21	Aziruni III etp. A	Mz. L Lt 09	2	215.404	215.423	215.433	215.455	215.479	215.506	215.530	215.551	215.578	215.585
22	Aziruni III etp. B	Mz. P Lt 01	13	2690.884	2691.008	2691.169	2691.435	2691.539	2691.555	2691.625	2691.632	2691.666	2691.718
23	Aziruni II Etapa	Mz. C Lt 50	5	304.490	304.502	304.527	304.571	304.625	304.688	304.735	304.777	304.803	304.861
24	Aziruni II Etapa	Mz. C Lt 47	3	248.100	248.139	248.193	248.281	248.318	248.327	248.356	248.363	248.374	248.387



UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
 DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

SABADO 04 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	179.254	179.344	179.443	179.503	179.511	179.516	179.529	179.597	179.632	179.645
26	Aziruni II Etapa	Mz. B Lt 14-b	3	214.830	214.837	214.844	214.858	214.873	214.896	214.911	214.925	214.941	214.946
27	Aziruni II Etapa	Mz. B Lt 13	3	506.635	506.639	506.644	506.650	506.650	506.650	506.650	506.654	506.656	506.672
28	Aziruni II Etapa	Mz. B Lt 15	3	1238.988	1239.003	1239.023	1239.055	1239.055	1239.055	1239.055	1239.056	1239.060	1239.093
29	Aziruni II Etapa	Mz. B Lt 16	6	160.825	160.887	160.917	160.999	161.082	161.177	161.261	161.337	161.431	161.450
30	Aziruni II Etapa	Mz. J Lt 05	7	283.472	283.475	283.479	283.484	283.484	283.484	283.484	283.487	283.488	283.500
31	Aziruni II Etapa	Mz. J Lt 03	6	271.306	271.326	271.347	271.347	271.347	271.347	271.347	271.361	271.369	271.390
32	Aziruni I Etapa	Mz. 13 Lt 27	2	66.728	66.757	66.772	66.806	66.845	66.883	66.919	66.953	66.985	66.993
33	Aziruni I Etapa	Mz. 11 Lt 06	3	46.090	46.107	46.127	46.156	46.196	46.237	46.276	46.308	46.323	46.354
34	Aziruni I Etapa	Mz. 20 Lt 01	3	279.633	279.709	279.800	279.959	280.022	280.031	280.078	280.090	280.111	280.147
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1707.207	1707.272	1707.340	1707.380	1707.387	1707.391	1707.397	1707.444	1707.469	1707.481
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1882.599	1882.625	1882.664	1882.724	1882.796	1882.874	1882.943	1882.997	1883.027	1883.072
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2331.310	2331.324	2331.344	2331.367	2331.367	2331.367	2331.367	2331.380	2331.386	2331.454
38	Aziruni II Etapa	Mz. I Lt 10	5	616.418	616.419	616.420	616.422	616.424	616.427	616.429	616.431	616.433	616.430
39	Aziruni II Etapa	Mz. I Lt 14	2	1030.689	1030.722	1030.755	1030.799	1030.845	1030.853	1030.862	1030.869	1030.872	1030.872



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

DOMINGO 05 DE NOVIEMBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	187.236	187.314	187.388	187.481	187.590	187.606	187.621	187.638	187.656	187.656
2	Aziruni III etp. A	Mz. P Lt 03	4	221.647	221.661	221.676	221.676	221.678	221.678	221.686	221.686	221.721	221.721
3	Aziruni III etp. A	Mz. J Lt 07	4	234.315	234.352	234.410	234.473	234.578	234.623	234.659	234.697	234.715	234.733
4	Aziruni III etp. A	Mz. k Lt 11	2	213.923	213.938	213.957	213.984	213.984	213.984	213.984	214.004	214.010	214.026
5	Aziruni III etp. A	Mz. J Lt 01	4	244.034	244.045	244.073	244.114	244.168	244.238	244.282	244.320	244.346	244.402
6	Aziruni III etp. A	Mz. D Lt 10	3	53.720	53.743	53.776	53.821	53.875	53.932	53.980	54.021	54.042	54.074
7	Aziruni III etp. A	Mz. C' Lt 03	5	143.715	143.716	143.729	143.750	143.788	143.820	143.847	143.880	143.901	143.906
8	Aziruni III etp. A	Mz. H Lt 01	2	251.508	251.519	251.537	251.557	251.557	251.557	251.557	251.569	251.594	251.631
9	Aziruni III etp. A	Mz. F Lt 02	4	219.743	219.796	219.855	219.891	219.899	219.902	219.933	219.969	219.987	220.011
10	Aziruni III etp. A	Mz. G Lt 10	8	308.556	308.663	308.792	308.980	309.022	309.029	309.061	309.196	309.243	309.263
11	Aziruni III etp. A	Mz. G Lt 09	4	386.080	386.087	386.093	386.108	386.124	386.149	386.167	386.182	386.200	386.207
12	Aziruni III etp. A	Mz. Y Lt 26	5	302.074	302.119	302.178	302.275	302.317	302.325	302.356	302.357	302.370	302.391
13	Aziruni III etp. A	Mz. Y Lt 25	3	375.327	375.347	375.399	375.476	375.579	375.704	375.778	375.848	375.894	376.024
14	Aziruni I Etapa	Mz. 19 Lt 27	3	166.867	166.925	166.998	167.100	167.123	167.126	167.147	167.222	167.245	167.256
15	Aziruni I Etapa	Mz. 19 Lt 28	3	101.258	101.261	101.285	101.328	101.399	101.465	101.521	101.583	101.621	101.636
16	Aziruni II Etapa	Mz. A Lt 34	3	94.028	94.038	94.049	94.076	94.100	94.127	94.148	94.170	94.185	94.202
17	Aziruni II Etapa	Mz. A Lt 11	5	109.668	109.785	109.897	109.976	109.985	109.994	110.062	110.149	110.182	110.205
18	Aziruni II Etapa	Mz. A Lt 14	4	1443.188	1443.210	1443.289	1443.402	1443.425	1443.433	1443.453	1443.546	1443.573	1443.619
19	Aziruni III etp. A	Mz. P Lt 12	8	583.810	583.894	583.982	584.142	584.346	584.611	584.792	584.953	585.158	585.164
20	Aziruni III etp. A	Mz. I Lt 07	4	244.580	244.611	244.660	244.715	244.801	244.835	244.865	244.896	244.910	244.913
21	Aziruni III etp. A	Mz. L Lt 09	2	215.585	215.587	215.600	215.623	215.663	215.697	215.724	215.755	215.775	215.782
22	Aziruni III etp. B	Mz. P Lt 01	13	2691.749	2691.909	2692.065	2692.172	2692.197	2692.197	2692.275	2692.393	2692.437	2692.469
23	Aziruni II Etapa	Mz. C Lt 50	5	304.861	304.863	304.885	304.936	305.030	305.103	305.167	305.244	305.290	305.325
24	Aziruni II Etapa	Mz. C Lt 47	3	248.387	248.418	248.443	248.465	248.509	248.563	248.615	248.663	248.695	248.735



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

DOMINGO 05 DE NOVIEMBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	179.645	179.656	179.680	179.719	179.772	179.836	179.881	179.912	179.938	179.994
26	Aziruni II Etapa	Mz. B Lt 14-b	3	214.946	214.963	214.981	215.004	215.004	215.004	215.004	215.009	215.015	215.042
27	Aziruni II Etapa	Mz. B Lt 13	3	506.672	506.677	506.683	506.693	506.693	506.693	506.693	506.693	506.703	506.703
28	Aziruni II Etapa	Mz. B Lt 15	3	1239.093	1239.111	1239.135	1239.176	1239.176	1239.176	1239.176	1239.178	1239.183	1239.223
29	Aziruni II Etapa	Mz. B Lt 16	6	161.469	161.551	161.647	161.781	161.812	161.815	161.842	161.944	161.975	161.996
30	Aziruni II Etapa	Mz. J Lt 05	7	283.500	283.504	283.508	283.514	283.514	283.514	283.514	283.519	283.522	283.522
31	Aziruni II Etapa	Mz. J Lt 03	6	271.390	271.404	271.418	271.418	271.420	271.420	271.427	271.427	271.458	271.458
32	Aziruni I Etapa	Mz. 13 Lt 27	2	67.000	67.047	67.093	67.151	67.215	67.223	67.235	67.245	67.252	67.252
33	Aziruni I Etapa	Mz. 11 Lt 06	3	46.354	46.399	46.446	46.476	46.484	46.489	46.511	46.540	46.555	46.570
34	Aziruni I Etapa	Mz. 20 Lt 01	3	280.159	280.180	280.214	280.271	280.342	280.414	280.482	280.533	280.560	280.607
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1707.481	1707.497	1707.508	1707.544	1707.574	1707.609	1707.633	1707.665	1707.685	1707.706
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1883.081	1883.117	1883.174	1883.240	1883.339	1883.382	1883.419	1883.456	1883.473	1883.476
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2331.454	2331.477	2331.503	2331.519	2331.522	2331.522	2331.537	2331.556	2331.564	2331.572
38	Aziruni II Etapa	Mz. I Lt 10	5	616.430	616.432	616.434	616.437	616.437	616.437	616.437	616.437	616.439	616.439
39	Aziruni II Etapa	Mz. I Lt 14	2	1030.872	1030.900	1030.927	1030.960	1030.960	1030.960	1030.960	1030.967	1030.977	1031.022



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

LUNES 06 DE NOVIEMBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	187.656	187.677	187.718	187.790	187.790	187.790	187.790	187.813	187.825	187.832
2	Aziruni III etp. A	Mz. P Lt 03	4	221.750	221.864	221.961	222.014	222.014	222.014	222.020	222.020	222.020	222.020
3	Aziruni III etp. A	Mz. J Lt 07	4	234.733	234.746	234.841	234.893	234.893	234.893	234.893	234.893	234.893	234.893
4	Aziruni III etp. A	Mz. k Lt 11	2	214.026	214.028	214.032	214.034	214.034	214.034	214.040	214.042	214.044	214.046
5	Aziruni III etp. A	Mz. J Lt 01	4	244.402	244.428	244.457	244.519	244.585	244.683	244.750	244.812	244.889	244.905
6	Aziruni III etp. A	Mz. D Lt 10	3	54.074	54.076	54.098	54.098	54.098	54.098	54.098	54.098	54.098	54.098
7	Aziruni III etp. A	Mz. C' Lt 03	5	143.909	143.980	144.035	144.086	144.087	144.087	144.096	144.101	144.109	144.147
8	Aziruni III etp. A	Mz. H Lt 01	2	251.631	251.631	251.675	251.712	251.712	251.712	251.744	251.772	251.828	251.848
9	Aziruni III etp. A	Mz. F Lt 02	4	220.011	220.025	220.057	220.083	220.114	220.179	220.223	220.287	220.335	220.393
10	Aziruni III etp. A	Mz. G Lt 10	8	309.268	309.461	309.539	309.553	309.577	309.589	309.668	309.699	309.726	309.766
11	Aziruni III etp. A	Mz. G Lt 09	4	386.207	386.288	386.308	386.317	386.355	386.355	386.370	386.420	386.453	386.453
12	Aziruni III etp. A	Mz. Y Lt 26	5	302.407	302.562	302.750	302.800	302.819	302.819	302.825	302.847	303.012	303.034
13	Aziruni III etp. A	Mz. Y Lt 25	3	376.032	376.150	376.274	376.382	376.418	376.434	376.504	376.511	376.522	376.542
14	Aziruni I Etapa	Mz. 19 Lt 27	3	167.256	167.285	167.318	167.382	167.382	167.382	167.382	167.382	167.382	167.411
15	Aziruni I Etapa	Mz. 19 Lt 28	3	101.636	101.677	101.679	101.689	101.727	101.727	101.744	101.754	101.774	101.826
16	Aziruni II Etapa	Mz. A Lt 34	3	94.202	94.202	94.239	94.239	94.253	94.253	94.253	94.253	94.253	94.253
17	Aziruni II Etapa	Mz. A Lt 11	5	110.225	110.286	110.397	110.487	110.515	110.520	110.545	110.631	110.666	110.694
18	Aziruni II Etapa	Mz. A Lt 14	4	1443.619	1443.655	1443.673	1443.720	1443.775	1443.828	1443.877	1443.925	1443.969	1443.977
19	Aziruni III etp. A	Mz. P Lt 12	8	585.164	585.292	585.429	585.537	585.580	585.651	585.677	585.821	585.853	585.853
20	Aziruni III etp. A	Mz. I Lt 07	4	244.941	244.997	245.099	245.189	245.213	245.214	245.235	245.309	245.340	245.376
21	Aziruni III etp. A	Mz. L Lt 09	2	215.782	215.782	215.782	215.782	215.782	215.782	215.782	215.866	215.905	215.905
22	Aziruni III etp. B	Mz. P Lt 01	13	2692.469	2692.637	2692.654	2692.670	2692.670	2692.670	2692.670	2692.670	2692.670	2692.861
23	Aziruni II Etapa	Mz. C Lt 50	5	305.325	305.355	305.374	305.413	305.459	305.504	305.548	305.584	305.618	305.637
24	Aziruni II Etapa	Mz. C Lt 47	3	248.743	248.776	248.835	248.887	248.902	248.906	248.917	248.961	248.982	249.000



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MARTES 07 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA										
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00	
1	Aziruni III etp. A	Mz. P Lt 02	5	187.840	187.865	187.903	188.033	188.148	188.148	188.148	188.148	188.148	188.148	188.168
2	Aziruni III etp. A	Mz. P Lt 03	4	222.032	222.040	222.068	222.084	222.096	222.096	222.096	222.096	222.101	222.101	222.101
3	Aziruni III etp. A	Mz. J Lt 07	4	234.893	234.915	234.976	235.031	235.082	235.126	235.175	235.175	235.231	235.297	235.303
4	Aziruni III etp. A	Mz. k Lt 11	2	214.049	214.052	214.056	214.060	214.060	214.060	214.060	214.060	214.075	214.080	214.080
5	Aziruni III etp. A	Mz. J Lt 01	4	244.905	244.905	245.020	245.031	245.039	245.039	245.039	245.039	245.056	245.072	245.074
6	Aziruni III etp. A	Mz. D Lt 10	3	54.099	54.106	54.137	54.146	54.146	54.146	54.146	54.146	54.158	54.257	54.265
7	Aziruni III etp. A	Mz. C' Lt 03	5	144.220	144.318	144.338	144.390	144.390	144.390	144.390	144.390	144.399	144.399	144.440
8	Aziruni III etp. A	Mz. H Lt 01	2	251.848	251.882	251.898	251.898	251.898	251.898	251.898	251.898	251.919	251.924	251.924
9	Aziruni III etp. A	Mz. F Lt 02	4	220.393	220.431	220.478	220.556	220.596	220.614	220.734	220.734	220.838	220.936	221.068
10	Aziruni III etp. A	Mz. G Lt 10	8	309.790	309.957	310.070	310.079	310.187	310.205	310.205	310.205	310.372	310.458	310.605
11	Aziruni III etp. A	Mz. G Lt 09	4	386.454	386.595	386.631	386.662	386.700	386.700	386.700	386.700	386.788	386.793	386.836
12	Aziruni III etp. A	Mz. Y Lt 26	5	303.080	303.218	303.252	303.265	303.360	303.384	303.396	303.396	303.522	303.526	303.676
13	Aziruni III etp. A	Mz. Y Lt 25	3	376.583	376.616	376.702	376.806	376.884	376.951	377.056	377.056	377.156	377.211	377.283
14	Aziruni I Etapa	Mz. 19 Lt 27	3	167.411	167.444	167.470	167.549	167.578	167.578	167.578	167.578	167.646	167.648	167.682
15	Aziruni I Etapa	Mz. 19 Lt 28	3	101.847	101.860	101.884	101.889	101.889	101.889	101.889	101.889	101.901	101.925	101.951
16	Aziruni II Etapa	Mz. A Lt 34	3	94.263	94.263	94.273	94.293	94.293	94.293	94.293	94.293	94.310	94.314	94.323
17	Aziruni II Etapa	Mz. A Lt 11	5	110.694	110.717	110.729	110.753	110.784	110.814	110.814	110.814	110.867	110.892	110.902
18	Aziruni II Etapa	Mz. A Lt 14	4	1444.002	1444.061	1444.114	1444.149	1444.163	1444.167	1444.176	1444.176	1444.199	1444.203	1444.203
19	Aziruni III etp. A	Mz. P Lt 12	8	585.853	585.853	586.091	586.130	586.130	586.130	586.130	586.130	586.152	586.169	586.302
20	Aziruni III etp. A	Mz. I Lt 07	4	245.386	245.406	245.480	245.533	245.548	245.553	245.567	245.567	245.615	245.663	245.683
21	Aziruni III etp. A	Mz. L Lt 09	2	215.905	215.929	215.955	215.955	215.955	215.955	215.955	215.955	215.973	215.988	216.009
22	Aziruni III etp. B	Mz. P Lt 01	13	2692.861	2692.929	2693.056	2693.070	2693.256	2693.340	2693.394	2693.394	2693.567	2693.688	2693.706
23	Aziruni II Etapa	Mz. C Lt 50	5	305.637	305.655	305.711	305.722	305.727	305.727	305.727	305.727	305.756	305.828	305.845
24	Aziruni II Etapa	Mz. C Lt 47	3	249.011	249.031	249.066	249.106	249.117	249.120	249.132	249.132	249.155	249.170	249.179



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

MIÉRCOLES 08 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA										
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00	
1	Aziruni III etp. A	Mz. P Lt 02	5	188.191	188.329	188.361	188.361	188.561	188.561	188.561	188.561	188.561	188.561	188.561
2	Aziruni III etp. A	Mz. P Lt 03	4	222.105	222.173	222.193	222.209	222.221	222.221	222.221	222.221	222.242	222.251	222.251
3	Aziruni III etp. A	Mz. J Lt 07	4	235.304	235.331	235.368	235.500	235.500	235.500	235.500	235.500	235.528	235.546	235.546
4	Aziruni III etp. A	Mz. k Lt 11	2	214.093	214.093	214.106	214.145	214.156	214.156	214.156	214.156	214.156	214.156	214.156
5	Aziruni III etp. A	Mz. J Lt 01	4	245.090	245.128	245.161	245.193	245.201	245.201	245.201	245.201	245.225	245.225	245.225
6	Aziruni III etp. A	Mz. D Lt 10	3	54.265	54.276	54.283	54.283	54.284	54.284	54.284	54.315	54.339	54.339	54.376
7	Aziruni III etp. A	Mz. C' Lt 03	5	144.453	144.474	144.516	144.516	144.516	144.516	144.516	144.547	144.622	144.622	144.622
8	Aziruni III etp. A	Mz. H Lt 01	2	251.939	251.941	251.975	251.977	251.977	251.977	251.977	251.977	251.982	251.982	251.982
9	Aziruni III etp. A	Mz. F Lt 02	4	221.084	221.084	221.115	221.217	221.301	221.395	221.525	221.525	221.667	221.681	221.681
10	Aziruni III etp. A	Mz. G Lt 10	8	310.675	310.781	310.846	311.031	311.077	311.077	311.077	311.077	311.101	311.105	311.105
11	Aziruni III etp. A	Mz. G Lt 09	4	386.860	386.967	387.083	387.154	387.201	387.201	387.201	387.201	387.226	387.226	387.338
12	Aziruni III etp. A	Mz. Y Lt 26	5	303.700	303.863	303.863	304.025	304.087	304.129	304.129	304.129	304.255	304.314	304.326
13	Aziruni III etp. A	Mz. Y Lt 25	3	377.410	377.505	377.609	377.677	377.764	377.888	377.958	377.958	378.000	378.035	378.047
14	Aziruni I Etapa	Mz. 19 Lt 27	3	167.687	167.721	167.788	167.856	167.886	167.886	167.886	167.886	167.886	167.886	167.886
15	Aziruni I Etapa	Mz. 19 Lt 28	3	101.975	101.983	101.985	101.999	102.010	102.010	102.010	102.010	102.010	102.010	102.010
16	Aziruni II Etapa	Mz. A Lt 34	3	94.336	94.336	94.357	94.375	94.387	94.387	94.387	94.387	94.387	94.387	94.387
17	Aziruni II Etapa	Mz. A Lt 11	5	110.902	110.968	111.037	111.058	111.058	111.058	111.058	111.058	111.082	111.082	111.082
18	Aziruni II Etapa	Mz. A Lt 14	4	1444.203	1444.234	1444.282	1444.317	1444.329	1444.331	1444.331	1444.341	1444.376	1444.389	1444.407
19	Aziruni III etp. A	Mz. P Lt 12	8	586.420	586.670	587.011	587.106	587.141	587.141	587.141	587.141	587.152	587.241	587.241
20	Aziruni III etp. A	Mz. I Lt 07	4	245.683	245.700	245.778	245.836	245.852	245.852	245.852	245.867	245.920	245.939	245.992
21	Aziruni III etp. A	Mz. L Lt 09	2	216.009	216.011	216.056	216.094	216.094	216.094	216.094	216.094	216.123	216.123	216.123
22	Aziruni III etp. B	Mz. P Lt 01	13	2693.720	2693.779	2693.911	2694.098	2694.218	2694.312	2694.369	2694.369	2694.524	2694.581	2694.714
23	Aziruni II Etapa	Mz. C Lt 50	5	305.868	305.907	305.987	306.030	306.043	306.053	306.053	306.067	306.092	306.118	306.129
24	Aziruni II Etapa	Mz. C Lt 47	3	249.185	249.213	249.227	249.262	249.277	249.292	249.292	249.312	249.398	249.437	249.533



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

JUEVES 09 DE NOVIEMBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA										
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00	
1	Aziruni III etp. A	Mz. P Lt 02	5	188.561	188.590	188.602	188.626	188.626	188.626	188.626	188.642	188.655	188.661	188.707
2	Aziruni III etp. A	Mz. P Lt 03	4	222.251	222.252	222.265	222.292	222.292	222.292	222.292	222.301	222.304	222.310	222.382
3	Aziruni III etp. A	Mz. J Lt 07	4	235.551	235.572	235.593	235.611	235.611	235.611	235.611	235.614	235.630	235.642	235.666
4	Aziruni III etp. A	Mz. k Lt 11	2	214.156	214.161	214.172	214.190	214.190	214.190	214.190	214.190	214.195	214.201	214.214
5	Aziruni III etp. A	Mz. J Lt 01	4	245.232	245.262	245.296	245.323	245.323	245.323	245.323	245.327	245.350	245.369	245.408
6	Aziruni III etp. A	Mz. D Lt 10	3	54.376	54.386	54.410	54.447	54.447	54.447	54.447	54.454	54.469	54.478	54.494
7	Aziruni III etp. A	Mz. C' Lt 03	5	144.653	144.663	144.686	144.719	144.719	144.719	144.719	144.725	144.740	144.747	144.763
8	Aziruni III etp. A	Mz. H Lt 01	2	251.982	251.988	252.001	252.023	252.023	252.023	252.023	252.023	252.028	252.035	252.051
9	Aziruni III etp. A	Mz. F Lt 02	4	221.686	221.791	221.893	221.989	222.008	222.011	222.011	222.015	222.099	222.152	222.225
10	Aziruni III etp. A	Mz. G Lt 10	8	311.105	311.118	311.166	311.274	311.454	311.532	311.532	311.572	311.583	311.611	311.624
11	Aziruni III etp. A	Mz. G Lt 09	4	387.338	387.382	387.403	387.440	387.512	387.512	387.512	387.539	387.557	387.566	387.566
12	Aziruni III etp. A	Mz. Y Lt 26	5	304.333	304.503	304.688	304.844	304.866	304.876	304.876	304.884	305.001	305.097	305.276
13	Aziruni III etp. A	Mz. Y Lt 25	3	378.049	378.089	378.162	378.210	378.293	378.387	378.387	378.422	378.469	378.517	378.546
14	Aziruni I Etapa	Mz. 19 Lt 27	3	167.886	167.905	167.925	167.941	167.941	167.941	167.941	167.941	167.955	167.965	167.988
15	Aziruni I Etapa	Mz. 19 Lt 28	3	102.010	102.012	102.015	102.019	102.019	102.019	102.019	102.020	102.022	102.023	102.023
16	Aziruni II Etapa	Mz. A Lt 34	3	94.387	94.401	94.415	94.428	94.428	94.428	94.428	94.428	94.440	94.447	94.463
17	Aziruni II Etapa	Mz. A Lt 11	5	111.091	111.119	111.188	111.306	111.364	111.374	111.374	111.383	111.417	111.453	111.463
18	Aziruni II Etapa	Mz. A Lt 14	4	1444.407	1444.407	1444.426	1444.459	1444.529	1444.529	1444.529	1444.550	1444.568	1444.578	1444.608
19	Aziruni III etp. A	Mz. P Lt 12	8	587.261	587.408	587.600	587.759	587.807	587.819	587.819	587.837	587.990	588.090	588.207
20	Aziruni III etp. A	Mz. I Lt 07	4	245.992	246.020	246.083	246.179	246.205	246.205	246.209	246.232	246.271	246.293	246.297
21	Aziruni III etp. A	Mz. L Lt 09	2	216.148	216.163	216.179	216.194	216.194	216.194	216.194	216.195	216.206	216.215	216.236
22	Aziruni III etp. B	Mz. P Lt 01	13	2694.964	2695.034	2695.179	2695.421	2695.543	2695.548	2695.548	2695.566	2695.631	2695.696	2695.762
23	Aziruni II Etapa	Mz. C Lt 50	5	306.129	306.130	306.146	306.186	306.256	306.256	306.256	306.268	306.274	306.282	306.328
24	Aziruni II Etapa	Mz. C Lt 47	3	249.535	249.544	249.570	249.610	249.621	249.621	249.621	249.630	249.646	249.656	249.660



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

JUEVES 09 DE NOVIEMBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
25	Aziruni II Etapa	Mz. B Lt 03	4	180.680	180.753	180.832	180.899	180.927	180.929	180.935	180.996	181.039	181.088
26	Aziruni II Etapa	Mz. B Lt 14-b	3	215.413	215.417	215.434	215.471	215.532	215.532	215.543	215.549	215.557	215.584
27	Aziruni II Etapa	Mz. B Lt 13	3	507.365	507.390	507.436	507.514	507.552	507.552	507.558	507.580	507.603	507.616
28	Aziruni II Etapa	Mz. B Lt 15	3	1240.725	1240.744	1240.784	1240.845	1240.862	1240.862	1240.878	1240.903	1240.919	1240.925
29	Aziruni II Etapa	Mz. B Lt 16	6	162.968	162.982	163.025	163.134	163.313	163.394	163.433	163.447	163.471	163.476
30	Aziruni II Etapa	Mz. J Lt 05	7	284.448	284.521	284.596	284.669	284.672	284.675	284.679	284.741	284.779	284.848
31	Aziruni II Etapa	Mz. J Lt 03	6	273.304	273.340	273.421	273.545	273.585	273.592	273.623	273.673	273.703	273.712
32	Aziruni I Etapa	Mz. 13 Lt 27	2	67.511	67.511	67.522	67.549	67.549	67.549	67.556	67.561	67.567	67.638
33	Aziruni I Etapa	Mz. 11 Lt 06	3	47.054	47.078	47.132	47.212	47.235	47.237	47.257	47.289	47.305	47.312
34	Aziruni I Etapa	Mz. 20 Lt 01	3	281.408	281.408	281.408	281.445	281.506	281.506	281.515	281.519	281.527	281.566
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1708.800	1708.829	1708.899	1709.011	1709.045	1709.049	1709.069	1709.115	1709.137	1709.158
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1884.868	1884.891	1884.947	1885.040	1885.091	1885.097	1885.104	1885.127	1885.157	1885.176
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2333.353	2333.432	2333.508	2333.572	2333.590	2333.601	2333.610	2333.656	2333.697	2333.762
38	Aziruni II Etapa	Mz. I Lt 10	5	617.854	617.891	617.966	618.091	618.157	618.168	618.170	618.202	618.240	618.262
39	Aziruni II Etapa	Mz. I Lt 14	2	1031.022	1031.024	1031.033	1031.056	1031.056	1031.056	1031.062	1031.065	1031.070	1031.127



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

VIERNES 10 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
1	Aziruni III etp. A	Mz. P Lt 02	5	188.725	188.743	188.771	188.823	188.834	188.834	188.834	188.913	188.913	188.958
2	Aziruni III etp. A	Mz. P Lt 03	4	222.391	222.418	222.468	222.474	222.474	222.474	222.475	222.475	222.475	222.478
3	Aziruni III etp. A	Mz. J Lt 07	4	235.685	235.718	235.767	235.874	235.874	235.874	235.874	235.874	235.874	235.875
4	Aziruni III etp. A	Mz. k Lt 11	2	214.218	214.269	214.301	214.341	214.341	214.356	214.369	214.383	214.383	214.388
5	Aziruni III etp. A	Mz. J Lt 01	4	245.408	245.511	245.562	245.567	245.585	245.585	245.585	245.594	245.594	245.601
6	Aziruni III etp. A	Mz. D Lt 10	3	54.503	54.530	54.587	54.677	54.705	54.707	54.724	54.762	54.781	54.790
7	Aziruni III etp. A	Mz. C' Lt 03	5	144.771	144.812	144.855	144.894	144.894	144.894	144.894	144.894	144.894	144.894
8	Aziruni III etp. A	Mz. H Lt 01	2	252.060	252.060	252.060	252.127	252.127	252.127	252.127	252.127	252.127	252.127
9	Aziruni III etp. A	Mz. F Lt 02	4	222.239	222.246	222.292	222.319	222.350	222.350	222.362	222.385	222.397	222.472
10	Aziruni III etp. A	Mz. G Lt 10	8	311.640	311.805	311.864	311.881	311.943	312.017	312.043	312.051	312.139	312.193
11	Aziruni III etp. A	Mz. G Lt 09	4	387.568	387.596	387.596	387.649	387.649	387.649	387.709	387.713	387.756	387.822
12	Aziruni III etp. A	Mz. Y Lt 26	5	305.277	305.293	305.349	305.531	305.543	305.551	305.597	305.611	305.672	305.804
13	Aziruni III etp. A	Mz. Y Lt 25	3	378.551	378.632	378.671	378.707	378.707	378.755	378.813	378.860	378.877	378.890
14	Aziruni I Etapa	Mz. 19 Lt 27	3	167.997	168.015	168.049	168.056	168.101	168.101	168.105	168.105	168.108	168.132
15	Aziruni I Etapa	Mz. 19 Lt 28	3	102.041	102.061	102.075	102.085	102.186	102.231	102.256	102.293	102.310	102.329
16	Aziruni II Etapa	Mz. A Lt 34	3	94.470	94.470	94.489	94.505	94.512	94.521	94.530	94.530	94.530	94.533
17	Aziruni II Etapa	Mz. A Lt 11	5	111.481	111.567	111.697	111.704	111.704	111.704	111.725	111.725	111.734	111.735
18	Aziruni II Etapa	Mz. A Lt 14	4	1444.608	1444.671	1444.733	1444.793	1444.798	1444.803	1444.809	1444.844	1444.876	1444.926
19	Aziruni III etp. A	Mz. P Lt 12	8	588.211	588.425	588.445	588.480	588.531	588.579	588.579	588.648	588.648	588.648
20	Aziruni III etp. A	Mz. I Lt 07	4	246.385	246.387	246.487	246.517	246.559	246.681	246.748	246.870	246.870	246.870
21	Aziruni III etp. A	Mz. L Lt 09	2	216.236	216.238	216.252	216.281	216.332	216.332	216.341	216.345	216.352	216.378
22	Aziruni III etp. B	Mz. P Lt 01	13	2695.762	2695.840	2696.024	2696.211	2696.383	2696.421	2696.484	2696.602	2696.665	2696.686
23	Aziruni II Etapa	Mz. C Lt 50	5	306.328	306.371	306.484	306.574	306.743	306.803	306.843	306.861	306.896	306.936



**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



**PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN
DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"**

REGISTRO DE LECTURAS HORARIAS DE LOS HOGARES EN ESTUDIO

VIERNES 10 DE NOVIEMBRE

CODIGO	URBANIZACION	DIRECCION	C/H/H	HORAS DE LECTURA HORARIA									
				05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	18:00
24	Aziruni II Etapa	Mz. C Lt 47	3	249.668	249.698	249.738	249.771	249.781	249.781	249.784	249.814	249.834	249.879
25	Aziruni II Etapa	Mz. B Lt 03	4	181.088	181.105	181.151	181.224	181.265	181.265	181.268	181.289	181.312	181.330
26	Aziruni II Etapa	Mz. B Lt 14-b	3	215.584	215.589	215.609	215.654	215.730	215.730	215.747	215.755	215.767	215.804
27	Aziruni II Etapa	Mz. B Lt 13	3	507.616	507.648	507.705	507.801	507.852	507.858	507.866	507.889	507.918	507.923
28	Aziruni II Etapa	Mz. B Lt 15	3	1240.929	1240.966	1241.011	1241.048	1241.058	1241.058	1241.058	1241.091	1241.115	1241.166
29	Aziruni II Etapa	Mz. B Lt 16	6	163.476	163.524	163.639	163.816	163.871	163.875	163.905	163.983	164.018	164.051
30	Aziruni II Etapa	Mz. J Lt 05	7	284.848	284.932	285.023	285.112	285.125	285.134	285.147	285.204	285.250	285.335
31	Aziruni II Etapa	Mz. J Lt 03	6	273.712	273.748	273.843	273.992	274.067	274.069	274.073	274.112	274.159	274.193
32	Aziruni I Etapa	Mz. 13 Lt 27	2	67.638	67.642	67.654	67.683	67.683	67.683	67.694	67.698	67.705	67.779
33	Aziruni I Etapa	Mz. 11 Lt 06	3	47.312	47.329	47.364	47.420	47.420	47.420	47.420	47.436	47.455	47.493
34	Aziruni I Etapa	Mz. 20 Lt 01	3	281.566	281.599	281.633	281.660	281.660	281.660	281.662	281.683	281.701	281.743
35	Aziruni I Etapa	Mz. 20 Lt 03	6	1709.158	1709.216	1709.342	1709.541	1709.605	1709.609	1709.644	1709.735	1709.789	1709.809
36	Aziruni I Etapa	Mz. 20 Lt 04	6	1885.176	1885.210	1885.288	1885.411	1885.471	1885.477	1885.482	1885.513	1885.551	1885.570
37	Aziruni I Etapa	Mz. 20 Lt 05	6	2333.762	2333.775	2333.821	2333.933	2334.125	2334.209	2334.239	2334.252	2334.277	2334.313
38	Aziruni II Etapa	Mz. I Lt 10	5	618.269	618.331	618.395	618.456	618.463	618.472	618.477	618.515	618.547	618.599
39	Aziruni II Etapa	Mz. I Lt 14	2	1031.127	1031.157	1031.187	1031.214	1031.214	1031.214	1031.216	1031.238	1031.255	1031.285



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FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL

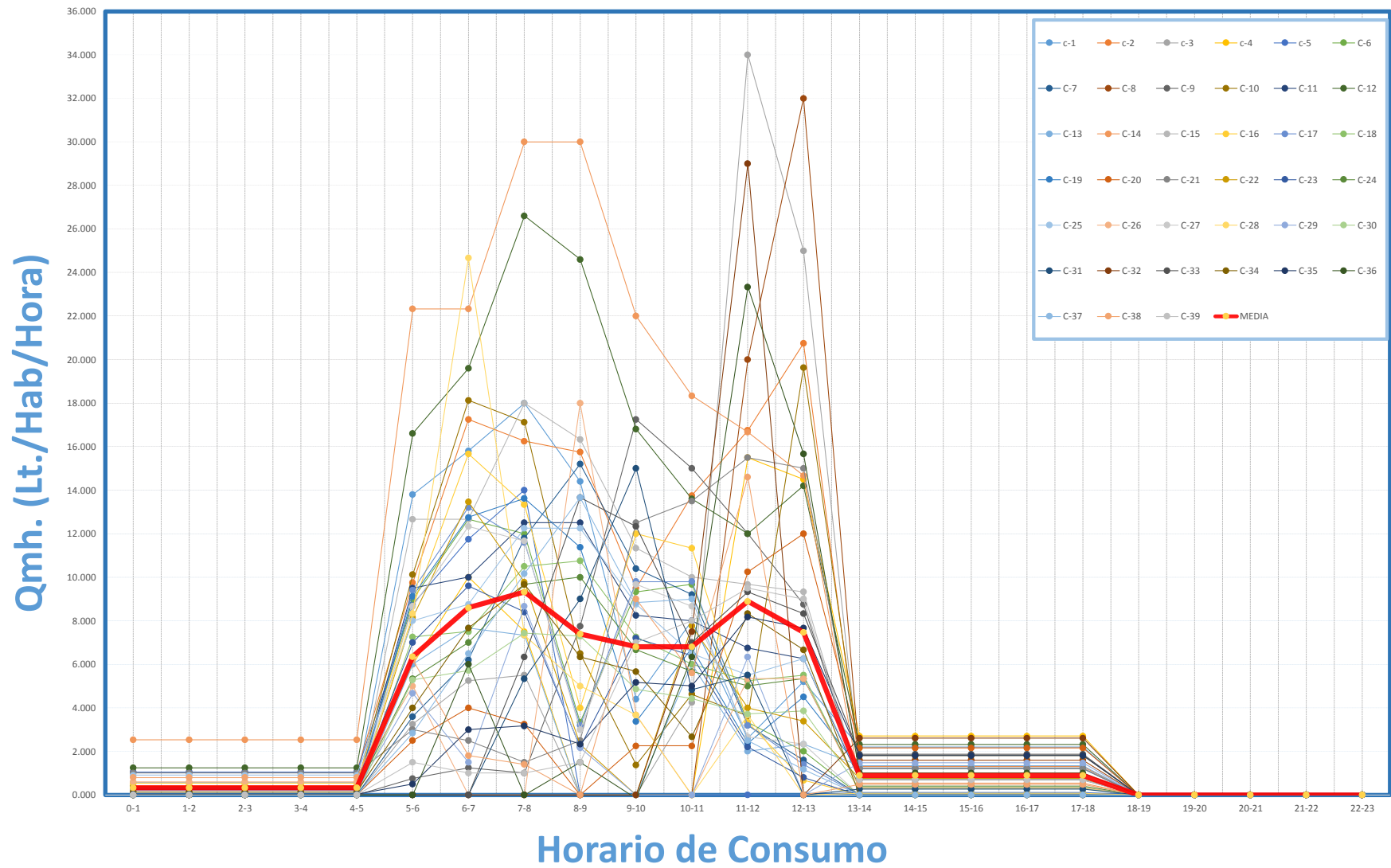


PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"

MARTES 17 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	CAUDAL HORARIO POR HABITANTE (Lt/Hab/Hora)																				TOTAL				
				0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20		20-21	21-22	22-23	
1	Aziruni III etp. A	Mz. P Lt 02	5	0.800	0.800	0.800	0.800	0.800	20.800	25.800	5.600	1.600	0.000	0.000	0.000	1.800	0.960	0.960	0.960	0.960	0.960	0.000	0.000	0.000	0.000	0.000	0.000	64.400
2	Aziruni III etp. A	Mz. P Lt 03	4	0.000	0.000	0.000	0.000	0.000	5.750	3.750	5.000	3.750	24.750	28.250	33.750	29.250	3.000	3.000	3.000	3.000	3.000	0.000	0.000	0.000	0.000	0.000	0.000	149.250
3	Aziruni III etp. A	Mz. J Lt 07	4	0.500	0.500	0.500	0.500	0.500	9.500	14.500	9.750	12.000	0.000	0.000	0.000	0.000	1.050	1.050	1.050	1.050	1.050	0.000	0.000	0.000	0.000	0.000	0.000	53.500
4	Aziruni III etp. A	Mz. k Lt 11	2	0.000	0.000	0.000	0.000	0.000	9.000	9.000	12.500	12.500	8.000	7.500	7.000	6.000	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	74.000
5	Aziruni III etp. A	Mz. J Lt 01	4	0.200	0.200	0.200	0.200	0.200	7.250	10.750	10.000	8.500	7.000	2.500	6.750	1.250	0.450	0.450	0.450	0.450	0.450	0.000	0.000	0.000	0.000	0.000	0.000	57.250
6	Aziruni III etp. A	Mz. D Lt 10	3	0.000	0.000	0.000	0.000	0.000	4.667	6.667	8.000	0.000	0.000	6.000	16.000	1.667	0.600	0.600	0.600	0.600	0.600	0.000	0.000	0.000	0.000	0.000	0.000	46.000
7	Aziruni III etp. A	Mz. C' Lt 03	5	0.000	0.000	0.000	0.000	0.000	2.600	6.400	0.000	0.000	0.000	3.000	4.200	0.000	1.960	1.960	1.960	1.960	1.960	0.000	0.000	0.000	0.000	0.000	0.000	26.000
8	Aziruni III etp. A	Mz. H Lt 01	2	0.100	0.100	0.100	0.100	0.100	0.000	0.000	7.500	13.000	11.500	7.500	10.000	8.000	1.500	1.500	1.500	1.500	1.500	0.000	0.000	0.000	0.000	0.000	0.000	65.500
9	Aziruni III etp. A	Mz. F Lt 02	4	0.300	0.300	0.300	0.300	0.300	5.750	10.000	9.500	7.000	7.500	8.000	0.250	8.750	0.700	0.700	0.700	0.700	0.700	0.000	0.000	0.000	0.000	0.000	0.000	61.750
10	Aziruni III etp. A	Mz. G Lt 10	8	0.000	0.000	0.000	0.000	0.000	13.000	14.750	6.125	6.250	5.625	8.500	2.000	26.875	0.475	0.475	0.475	0.475	0.475	0.000	0.000	0.000	0.000	0.000	0.000	85.500
11	Aziruni III etp. A	Mz. G Lt 09	4	0.500	0.500	0.500	0.500	0.500	6.000	25.250	1.750	6.250	4.750	9.500	12.500	6.250	0.650	0.650	0.650	0.650	0.650	0.000	0.000	0.000	0.000	0.000	0.000	78.000
12	Aziruni III etp. A	Mz. Y Lt 26	5	0.000	0.000	0.000	0.000	0.000	5.800	7.800	7.600	1.800	7.400	6.200	2.400	9.400	2.680	2.680	2.680	2.680	2.680	0.000	0.000	0.000	0.000	0.000	0.000	61.800
13	Aziruni III etp. A	Mz. Y Lt 25	3	0.000	0.000	0.000	0.000	0.000	3.333	3.000	8.667	0.000	0.000	0.000	14.667	9.667	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	44.333
14	Aziruni I Etapa	Mz. 19 Lt 27	3	0.733	0.733	0.733	0.733	0.733	9.667	14.000	17.667	18.667	14.000	10.667	9.000	8.667	1.200	1.200	1.200	1.200	1.200	0.000	0.000	0.000	0.000	0.000	0.000	112.000
15	Aziruni I Etapa	Mz. 19 Lt 28	3	0.000	0.000	0.000	0.000	0.000	7.000	12.667	6.000	7.333	0.000	0.000	0.000	3.333	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	36.333
16	Aziruni II Etapa	Mz. A Lt 34	3	0.000	0.000	0.000	0.000	0.000	4.333	4.333	11.333	0.000	0.000	6.000	12.667	0.000	0.933	0.933	0.933	0.933	0.933	0.000	0.000	0.000	0.000	0.000	0.000	43.333
17	Aziruni II Etapa	Mz. A Lt 11	5	0.200	0.200	0.200	0.200	0.200	5.800	8.800	9.000	9.200	0.000	7.000	4.600	1.000	0.360	0.360	0.360	0.360	0.360	0.000	0.000	0.000	0.000	0.000	0.000	48.200
18	Aziruni II Etapa	Mz. A Lt 14	4	0.000	0.000	0.000	0.000	0.000	6.500	4.500	8.750	8.500	0.750	6.750	7.750	1.250	0.450	0.450	0.450	0.450	0.450	0.000	0.000	0.000	0.000	0.000	0.000	47.000
19	Aziruni III etp. A	Mz. P Lt 12	8	0.212	0.212	0.212	0.212	0.212	3.313	5.750	9.500	9.750	1.125	7.375	8.750	3.000	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	52.125
20	Aziruni III etp. A	Mz. I Lt 07	4	0.000	0.000	0.000	0.000	0.000	5.750	5.500	16.500	2.250	6.500	8.750	9.000	4.750	0.250	0.250	0.250	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.000	60.250
21	Aziruni III etp. A	Mz. L Lt 09	2	0.000	0.000	0.000	0.000	0.000	9.000	9.500	12.000	11.500	9.000	7.500	6.500	6.000	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	73.500
22	Aziruni III etp. B	Mz. P Lt 01	13	0.246	0.246	0.246	0.246	0.246	5.385	7.385	10.077	10.231	6.615	5.077	5.308	5.615	0.569	0.569	0.569	0.569	0.569	0.000	0.000	0.000	0.000	0.000	0.000	59.769
23	Aziruni II Etapa	Mz. C Lt 50	5	0.000	0.000	0.000	0.000	0.000	5.000	7.000	8.800	9.400	0.600	7.200	6.400	0.400	0.480	0.480	0.480	0.480	0.480	0.000	0.000	0.000	0.000	0.000	0.000	47.200
24	Aziruni II Etapa	Mz. C Lt 47	3	0.000	0.000	0.000	0.000	0.000	0.000	2.667	10.667	13.667	12.333	10.000	8.667	7.000	0.400	0.400	0.400	0.400	0.400	0.000	0.000	0.000	0.000	0.000	0.000	67.000
25	Aziruni II Etapa	Mz. B Lt 03	4	0.100	0.100	0.100	0.100	0.100	0.750	7.750	8.750	8.750	0.750	6.750	7.500	0.000	0.650	0.650	0.650	0.650	0.650	0.000	0.000	0.000	0.000	0.000	0.000	44.750
26	Aziruni II Etapa	Mz. B Lt 14-b	3	0.000	0.000	0.000	0.000	0.000	0.000	0.333	0.000	6.333	0.000	6.000	1.333	10.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.000
27	Aziruni II Etapa	Mz. B Lt 13	3	0.000	0.000	0.000	0.000	0.000	4.667	8.667	8.667	0.000	0.000	7.000	16.000	0.000	0.867	0.867	0.867	0.867	0.867	0.000	0.000	0.000	0.000	0.000	0.000	49.333
28	Aziruni II Etapa	Mz. B Lt 15	3	1.333	1.333	1.333	1.333	1.333	27.000	22.667	8.000	1.667	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	66.000
29	Aziruni II Etapa	Mz. B Lt 16	6	0.000	0.000	0.000	0.000	0.000	7.833	9.333	2.000	2.833	0.000	0.000	0.333	4.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.833
30	Aziruni II Etapa	Mz. J Lt 05	7	0.000	0.000	0.000	0.000	0.000	10.143	13.286	13.429	9.429	11.429	4.286	4.986	2.014	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	69.000
31	Aziruni II Etapa	Mz. J Lt 03	6	0.333	0.333	0.333	0.333	0.333	31.833	12.333	8.167	8.000	0.833	0.500	0.833	0.000	0.267	0.267	0.267	0.267	0.267	0.000	0.000	0.000	0.000	0.000	0.000	65.500
32	Aziruni I Etapa	Mz. 13 Lt 27	2	0.000	0.000	0.000	0.000	0.000	16.000	26.500	0.000	0.000	0.000	0.000	0.000	7.500	1.000	1.000	1.000	1.000	1.000	0.000	0.000	0.000	0.000	0.000	0.000	55.000
33	Aziruni I Etapa	Mz. 11 Lt 06	3	0.000	0.000	0.000	0.000	0.000	0.000	1.333	5.667	7.000	6.333	5.000	4.667	3.333	0.067	0.067	0.067	0.067	0.067	0.000	0.000	0.000	0.000	0.000	0.000	33.667
34	Aziruni I Etapa	Mz. 20 Lt 01	3	0.000	0.000	0.000	0.000	0.000	2.333	1.333	1.000	2.000	10.000	12.000	13.000	12.000	1.067	1.067	1.067	1.067	1.067	0.000	0.000	0.000	0.000	0.000	0.000	59.000
35	Aziruni I Etapa	Mz. 20 Lt 03	6	0.067	0.067	0.067	0.067	0.067	20.833	9.000	23.667	4.167	9.333	12.833	1.833	1.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	83.500
36	Aziruni I Etapa	Mz. 20 Lt 04	6	0.000	0.000	0.000	0.000	0.000	3.833	5.667	15.500	0.000	6.000	8.833	14.500	7.500	3.433	3.433	3.433	3.433	3.433	0.000	0.000	0.000	0.000	0.000	0.000	79.000
37	Aziruni I Etapa	Mz. 20 Lt 05	6	0.167	0.167	0.167	0.167	0.167	2.000	1.333	1.500	2.000	10.833	12.667	14.500	14.333	1.367	1.367	1.367	1.367	1.367	0.000	0.000	0.000	0.000	0.000	0.000	66.833
38	Aziruni II Etapa	Mz. I Lt 10	5	0.000	0.000	0.000	0.000	0.000	9.600	9.600	13.800	12.800	9.600	8.200	7.600	6.800	0.720	0.720	0.720	0.720	0.720	0.000	0.000	0.000	0.000	0.000	0.000	81.600
39	Aziruni II Etapa	Mz. I Lt 14	2	0.600	0.600	0.600	0.600	0.600	6.000	6.000	8.500	8.000	5.500	5.000	4.000	4.500	0.300	0.300	0.300	0.300	0.300	0.000	0.000	0.000	0.000	0.000	0.000	52.000
	MEDIA			0.164	0.164	0.164	0.164	0.164	7.642	9.100	8.485	6.311	5.078	6.470	7.160	5.741</												

CONSUMOS HORARIOS POR HABITANTE





UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL



PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"

VIERNES 20 DE OCTUBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	CAUDAL HORARIO POR HABITANTE (Lt/Hab/Hora)																						TOTAL
				0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	
1	Aziruni III etp. A	Mz. P Lt 02	5	0.400	0.400	0.400	0.400	0.400	3.400	9.000	6.800	2.000	0.000	5.200	2.800	2.000	0.520	0.520	0.520	0.520	0.000	0.000	0.000	0.000	0.000	35.800
2	Aziruni III etp. A	Mz. P Lt 03	4	0.000	0.000	0.000	0.000	0.000	2.250	3.500	4.750	0.000	0.000	0.000	4.000	1.500	1.700	1.700	1.700	1.700	1.700	0.000	0.000	0.000	0.000	24.500
3	Aziruni III etp. A	Mz. J Lt 07	4	0.900	0.900	0.900	0.900	0.900	5.750	11.250	12.750	10.500	3.500	6.250	2.000	3.750	1.500	1.500	1.500	1.500	1.500	0.000	0.000	0.000	0.000	67.750
4	Aziruni III etp. A	Mz. K Lt 11	2	0.000	0.000	0.000	0.000	0.000	0.000	2.000	7.000	0.000	0.000	0.000	5.500	4.500	5.000	5.000	5.000	5.000	5.000	0.000	0.000	0.000	0.000	44.000
5	Aziruni III etp. A	Mz. J Lt 01	4	0.700	0.700	0.700	0.700	0.700	8.250	7.500	14.750	20.000	0.500	10.000	14.250	3.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	82.000
6	Aziruni III etp. A	Mz. D Lt 10	3	0.000	0.000	0.000	0.000	0.000	6.333	4.000	8.000	9.333	9.000	9.333	8.000	7.333	0.267	0.267	0.267	0.267	0.267	0.000	0.000	0.000	0.000	62.667
7	Aziruni III etp. A	Mz. C' Lt 03	5	0.120	0.120	0.120	0.120	0.120	3.800	7.000	5.400	0.000	0.000	4.600	2.400	1.600	0.600	0.600	0.600	0.600	0.600	0.000	0.000	0.000	0.000	28.400
8	Aziruni III etp. A	Mz. H Lt 01	2	0.000	0.000	0.000	0.000	0.000	3.500	5.500	7.000	0.000	0.000	0.000	6.000	2.500	2.400	2.400	2.400	2.400	0.000	0.000	0.000	0.000	0.000	36.500
9	Aziruni III etp. A	Mz. F Lt 02	4	0.000	0.000	0.000	0.000	0.000	0.000	3.000	9.250	13.000	11.750	9.250	8.250	6.000	0.050	0.050	0.050	0.050	0.050	0.000	0.000	0.000	0.000	60.750
10	Aziruni III etp. A	Mz. G Lt 10	8	0.075	0.075	0.075	0.075	0.075	15.125	25.625	19.750	6.000	0.500	16.000	8.000	6.750	0.575	0.575	0.575	0.575	0.575	0.000	0.000	0.000	0.000	101.000
11	Aziruni III etp. A	Mz. G Lt 09	4	0.000	0.000	0.000	0.000	0.000	2.000	1.500	1.500	2.000	10.750	12.250	15.000	13.250	1.550	1.550	1.550	1.550	1.550	0.000	0.000	0.000	0.000	66.000
12	Aziruni III etp. A	Mz. Y Lt 26	5	0.000	0.000	0.000	0.000	0.000	9.000	15.200	11.400	2.400	0.600	9.000	5.000	4.000	0.640	0.640	0.640	0.640	0.640	0.000	0.000	0.000	0.000	59.800
13	Aziruni III etp. A	Mz. Y Lt 25	3	0.000	0.000	0.000	0.000	0.000	5.000	7.667	10.000	7.000	4.667	3.000	8.333	5.667	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	51.333
14	Aziruni I Etapa	Mz. 19 Lt 27	3	0.333	0.333	0.333	0.333	0.333	13.000	11.333	14.667	4.667	3.667	4.000	11.333	8.667	1.133	1.133	1.133	1.133	1.133	0.000	0.000	0.000	0.000	78.667
15	Aziruni I Etapa	Mz. 19 Lt 28	3	0.000	0.000	0.000	0.000	0.000	7.333	12.667	9.333	0.000	0.000	7.333	4.000	3.333	1.133	1.133	1.133	1.133	1.133	0.000	0.000	0.000	0.000	49.667
16	Aziruni II Etapa	Mz. A Lt 34	3	0.000	0.000	0.000	0.000	0.000	0.333	0.000	7.000	14.000	12.667	8.000	9.667	9.000	1.667	1.667	1.667	1.667	1.667	0.000	0.000	0.000	0.000	69.000
17	Aziruni II Etapa	Mz. A Lt 11	5	0.000	0.000	0.000	0.000	0.000	8.600	4.000	9.800	9.800	11.800	11.200	9.400	8.400	0.960	0.960	0.960	0.960	0.960	0.000	0.000	0.000	0.000	77.800
18	Aziruni II Etapa	Mz. A Lt 14	4	0.150	0.150	0.150	0.150	0.150	8.000	14.250	10.500	2.750	0.000	9.000	4.500	3.250	0.550	0.550	0.550	0.550	0.550	0.000	0.000	0.000	0.000	55.750
19	Aziruni III etp. A	Mz. P Lt 12	8	0.000	0.000	0.000	0.000	0.000	0.000	2.875	11.750	15.125	13.750	10.750	10.625	7.250	0.275	0.275	0.275	0.275	0.275	0.000	0.000	0.000	0.000	73.500
20	Aziruni III etp. A	Mz. I Lt 07	4	0.000	0.000	0.000	0.000	0.000	7.250	11.250	14.750	10.000	7.000	4.750	12.000	4.500	0.850	0.850	0.850	0.850	0.850	0.000	0.000	0.000	0.000	75.750
21	Aziruni III etp. A	Mz. L Lt 09	2	0.000	0.000	0.000	0.000	0.000	6.000	10.000	7.500	0.000	0.000	0.000	3.500	2.500	2.200	2.200	2.200	2.200	2.200	0.000	0.000	0.000	0.000	40.500
22	Aziruni III etp. B	Mz. P Lt 01	13	0.292	0.292	0.292	0.292	0.292	7.077	3.923	8.846	9.538	11.154	10.462	9.538	8.308	0.862	0.862	0.862	0.862	0.862	0.000	0.000	0.000	0.000	74.615
23	Aziruni II Etapa	Mz. C Lt 50	5	0.000	0.000	0.000	0.000	0.000	5.600	8.400	11.400	7.200	5.400	3.400	9.400	3.600	0.840	0.840	0.840	0.840	0.840	0.000	0.000	0.000	0.000	58.600
24	Aziruni II Etapa	Mz. C Lt 47	3	0.133	0.133	0.133	0.133	0.133	6.667	3.667	8.000	9.000	9.333	8.333	8.000	6.667	0.200	0.200	0.200	0.200	0.200	0.000	0.000	0.000	0.000	61.333
25	Aziruni II Etapa	Mz. B Lt 03	4	0.000	0.000	0.000	0.000	0.000	2.500	6.750	9.000	6.000	5.000	2.500	7.750	2.750	0.600	0.600	0.600	0.600	0.600	0.000	0.000	0.000	0.000	45.250
26	Aziruni II Etapa	Mz. B Lt 14-b	3	0.000	0.000	0.000	0.000	0.000	3.333	2.667	5.667	0.000	0.000	0.000	5.333	1.667	2.200	2.200	2.200	2.200	2.200	0.000	0.000	0.000	0.000	29.667
27	Aziruni II Etapa	Mz. B Lt 13	3	0.200	0.200	0.200	0.200	0.200	8.000	15.000	11.333	3.333	0.333	9.000	4.667	3.333	0.733	0.733	0.733	0.733	0.733	0.000	0.000	0.000	0.000	59.667
28	Aziruni II Etapa	Mz. B Lt 15	3	0.000	0.000	0.000	0.000	0.000	10.333	11.333	12.000	10.333	3.333	6.333	1.333	3.333	1.933	1.933	1.933	1.933	1.933	0.000	0.000	0.000	0.000	68.000
29	Aziruni II Etapa	Mz. B Lt 16	6	0.133	0.133	0.133	0.133	0.133	5.833	11.333	14.500	10.333	6.167	4.167	12.000	4.667	0.933	0.933	0.933	0.933	0.933	0.000	0.000	0.000	0.000	74.333
30	Aziruni II Etapa	Mz. J Lt 05	7	0.000	0.000	0.000	0.000	0.000	0.000	3.000	10.143	12.429	11.857	8.286	8.143	6.000	0.286	0.286	0.286	0.286	0.286	0.000	0.000	0.000	0.000	61.286
31	Aziruni II Etapa	Mz. J Lt 03	6	0.167	0.167	0.167	0.167	0.167	2.333	3.667	2.333	2.333	8.833	11.667	11.167	13.000	0.533	0.533	0.533	0.533	0.533	0.000	0.000	0.000	0.000	58.833
32	Aziruni I Etapa	Mz. 13 Lt 27	2	0.000	0.000	0.000	0.000	0.000	7.000	11.500	9.000	0.000	0.000	0.000	3.500	3.000	2.400	2.400	2.400	2.400	0.000	0.000	0.000	0.000	0.000	46.000
33	Aziruni I Etapa	Mz. 11 Lt 06	3	0.000	0.000	0.000	0.000	0.000	0.333	0.000	4.333	8.667	8.000	5.000	6.000	5.000	1.133	1.133	1.133	1.133	1.133	0.000	0.000	0.000	0.000	43.000
34	Aziruni I Etapa	Mz. 20 Lt 01	3	1.600	1.600	1.600	1.600	1.600	7.333	9.667	10.000	13.000	13.667	4.333	5.667	3.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	74.667
35	Aziruni I Etapa	Mz. 20 Lt 03	6	0.000	0.000	0.000	0.000	0.000	7.500	12.167	9.333	2.667	2.333	6.333	3.833	3.333	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	50.000
36	Aziruni I Etapa	Mz. 20 Lt 04	6	0.267	0.267	0.267	0.267	0.267	5.500	11.500	8.333	1.833	8.167	0.000	3.500	2.667	0.333	0.333	0.333	0.333	0.333	0.000	0.000	0.000	0.000	44.500
37	Aziruni I Etapa	Mz. 20 Lt 05	6	0.333	0.333	0.333	0.333	0.333	3.167	3.333	2.667	1.833	8.500	12.000	11.000	12.833	0.800	0.800	0.800	0.800	0.800	0.000	0.000	0.000	0.000	61.000
38	Aziruni II Etapa	Mz. I Lt 10	5	0.000	0.000	0.000	0.000	0.000	2.400	1.200	2.400	2.200	12.600	14.000	17.000	15.200	1.640	1.640	1.640	1.640	1.640	0.000	0.000	0.000	0.000	75.200
39	Aziruni II Etapa	Mz. I Lt 14	2	0.200	0.200	0.200	0.200	0.200	5.000	4.000	7.500	8.500	9.500	9.500	8.000	7.000	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	62.500
	MEDIA			0.154	0.154	0.154	0.154	0.154	5.252	7.493	8.986	6.097	5.496	6.544	7.446	5.496	1.026	1.026	1.026	1.026	1.026	0.000	0.000	0.000	0.000	61.509



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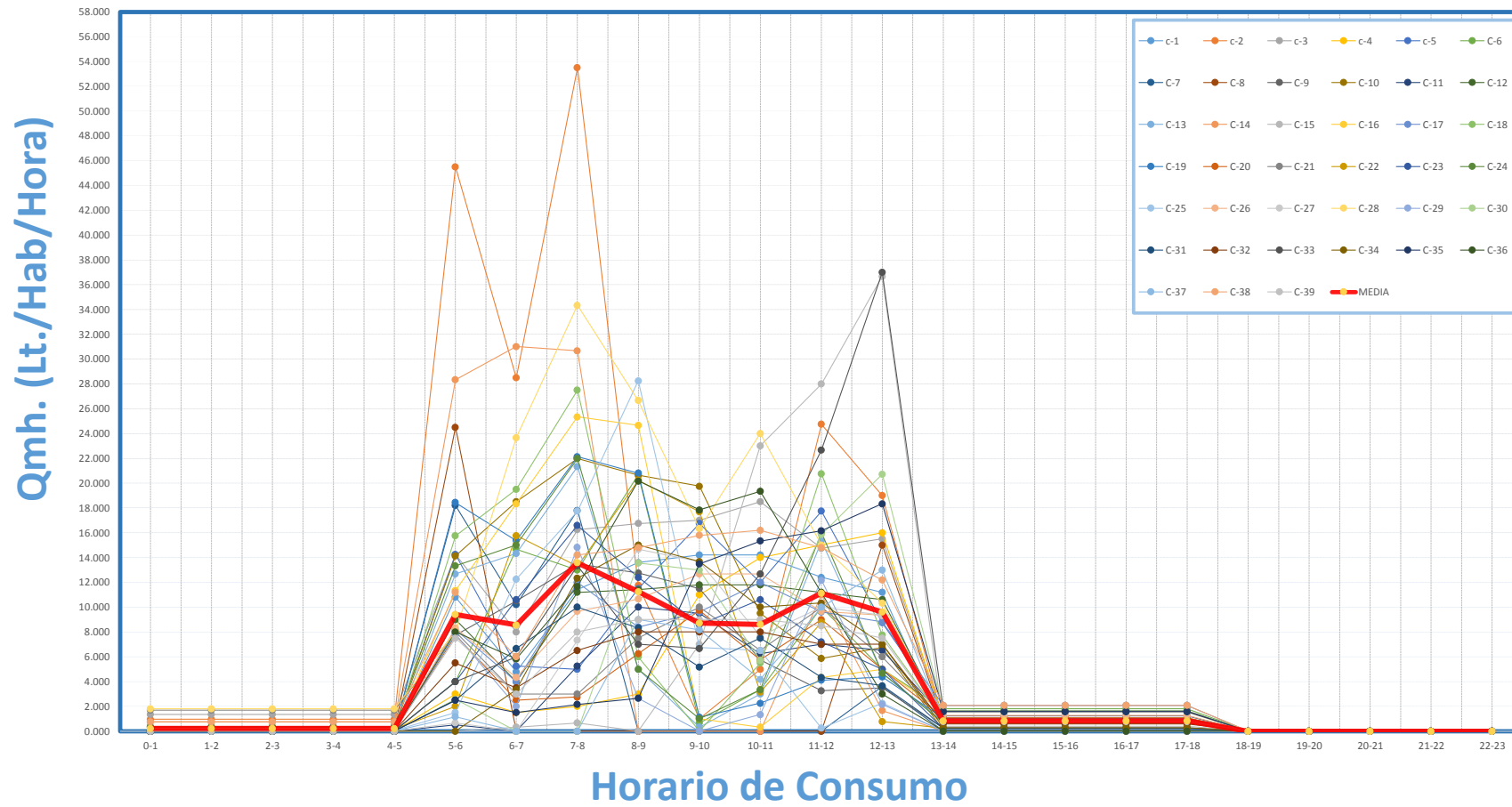


PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"

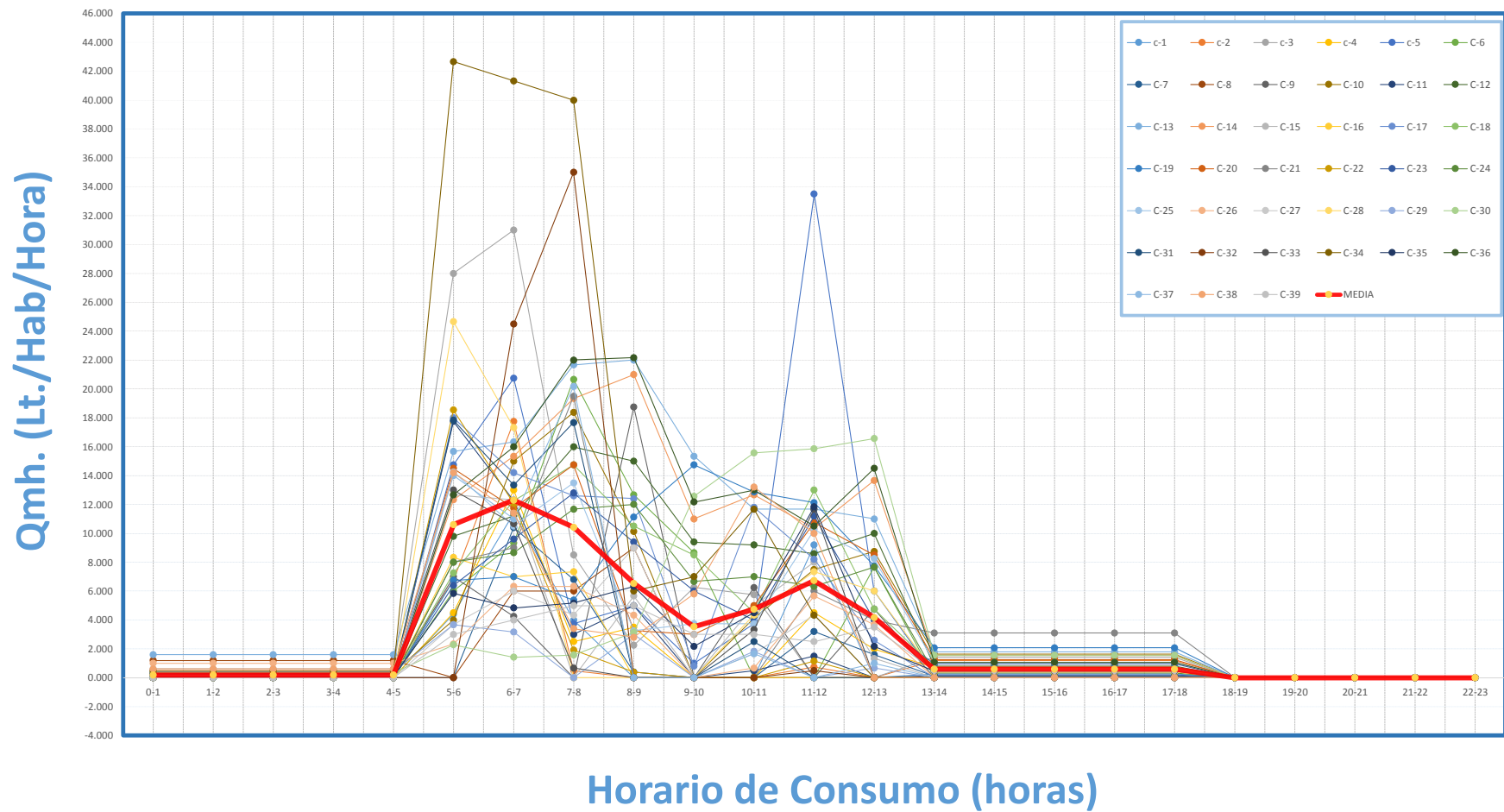
MIERCOLES 25 DE OCTUBRE DEL 2017

Table with columns: CODIGO, URBANIZACION, DIRECCION, C/H/H, and CAUDAL HORARIO POR HABITANTE (Lt/Hab/Hora) from 0-1 to 22-23, plus a TOTAL column. It lists 39 urbanization zones and their respective water supply data.

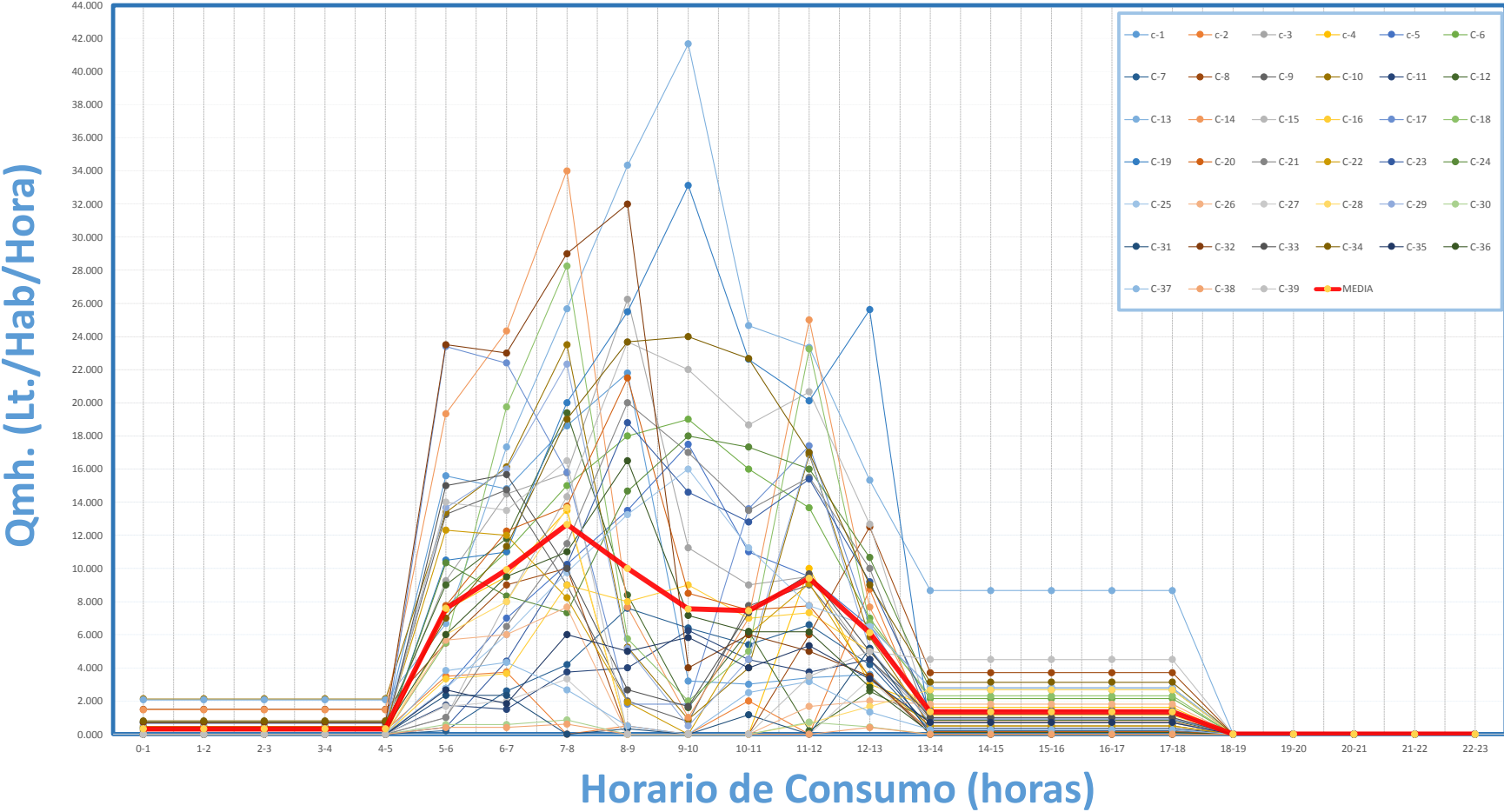
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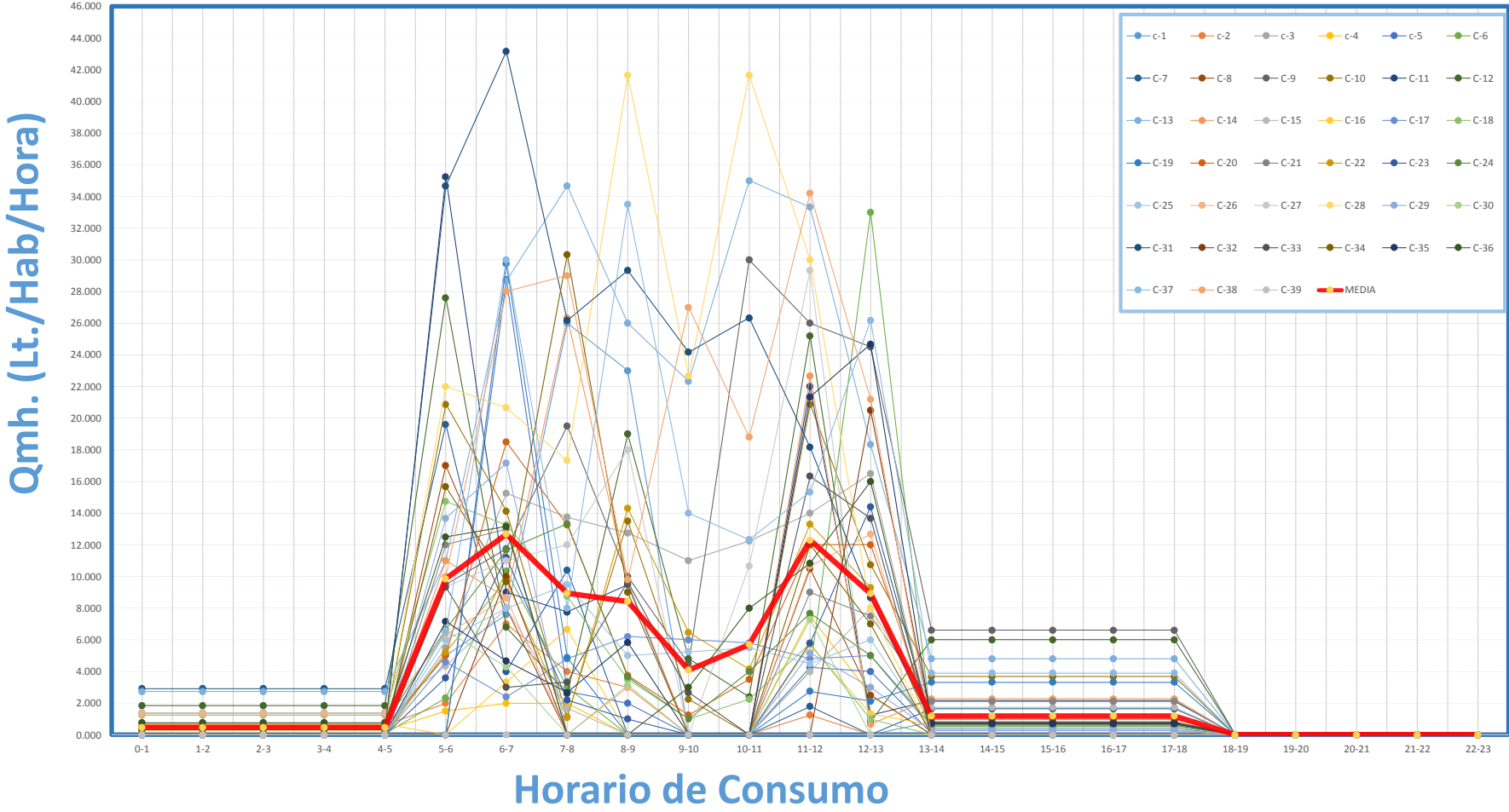
CONSUMOS HORARIOS POR HABITANTE



CONSUMOS HORARIOS POR HABITANTE



CONSUMOS HORARIOS POR HABITANTE





**UNIVERSIDAD NACIONAL DEL ALTIPLANO
FACULTAD DE INGENIERIA CIVIL Y ARQUITECTURA
ESCUELA PROFESIONAL DE INGENIERIA CIVIL**



PROYECTO DE INVESTIGACION "EVALUACIÓN DE LA DOTACIÓN DE AGUA POTABLE PARA SALCEDO-PUNO (2017)"

VIERNES 10 DE NOVIEMBRE DEL 2017

CODIGO	URBANIZACION	DIRECCION	C/H/H	CAUDAL HORARIO POR HABITANTE (Lt/Hab/Hora)																									
				0-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	TOTAL		
1	Aziruni III etp. A	Mz. P Lt 02	5	0.720	0.720	0.720	0.720	0.720	3.600	5.600	10.400	2.200	0.000	0.000	15.800	0.000	1.800	1.800	1.800	1.800	1.800	0.000	0.000	0.000	0.000	0.000	50.200		
2	Aziruni III etp. A	Mz. P Lt 03	4	0.450	0.450	0.450	0.450	0.450	6.750	12.500	1.500	0.000	0.000	0.250	0.000	0.000	0.150	0.150	0.150	0.150	0.150	0.000	0.000	0.000	0.000	0.000	24.000		
3	Aziruni III etp. A	Mz. J Lt 07	4	0.950	0.950	0.950	0.950	0.950	8.250	12.250	26.750	0.000	0.000	0.000	0.000	0.050	0.050	0.050	0.050	0.050	0.000	0.000	0.000	0.000	0.000	52.250			
4	Aziruni III etp. A	Mz. k Lt 11	2	0.400	0.400	0.400	0.400	0.400	25.355	16.011	20.367	0.000	7.500	6.267	7.000	0.000	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	87.000			
5	Aziruni III etp. A	Mz. J Lt 01	4	0.000	0.000	0.000	0.000	0.000	25.750	12.750	1.250	4.500	0.000	0.000	2.250	0.000	0.350	0.350	0.350	0.350	0.350	0.000	0.000	0.000	0.000	48.250			
6	Aziruni III etp. A	Mz. D Lt 10	3	0.600	0.600	0.600	0.600	0.600	9.000	19.000	30.000	9.333	0.667	5.667	12.667	6.333	0.600	0.600	0.600	0.600	0.600	0.000	0.000	0.000	0.000	98.667			
7	Aziruni III etp. A	Mz. C Lt 03	5	0.320	0.320	0.320	0.320	0.320	8.200	8.600	7.800	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26.200			
8	Aziruni III etp. A	Mz. H Lt 01	2	0.900	0.900	0.900	0.900	0.900	0.000	0.000	33.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	38.000			
9	Aziruni III etp. A	Mz. F Lt 02	4	0.700	0.700	0.700	0.700	0.700	1.750	11.500	6.750	7.750	0.000	3.000	5.750	3.000	3.750	3.750	3.750	3.750	3.750	0.000	0.000	0.000	0.000	61.750			
10	Aziruni III etp. A	Mz. G Lt 10	8	0.400	0.400	0.400	0.400	0.400	20.625	7.375	2.125	7.750	9.250	3.250	1.000	11.000	1.350	1.350	1.350	1.350	1.350	0.000	0.000	0.000	0.000	71.125			
11	Aziruni III etp. A	Mz. G Lt 09	4	0.100	0.100	0.100	0.100	0.100	7.000	0.000	13.250	0.000	0.000	15.000	1.000	10.750	3.300	3.300	3.300	3.300	3.300	0.000	0.000	0.000	0.000	64.000			
12	Aziruni III etp. A	Mz. Y Lt 26	5	0.040	0.040	0.040	0.040	0.040	3.200	11.200	36.400	2.400	1.600	9.200	2.800	12.200	5.280	5.280	5.280	5.280	5.280	0.000	0.000	0.000	0.000	105.600			
13	Aziruni III etp. A	Mz. Y Lt 25	3	0.333	0.333	0.333	0.333	0.333	27.000	13.000	12.000	0.000	16.000	19.333	15.667	5.667	0.867	0.867	0.867	0.867	0.867	0.000	0.000	0.000	0.000	114.667			
14	Aziruni I Etapa	Mz. 19 Lt 27	3	0.600	0.600	0.600	0.600	0.600	6.000	11.333	2.333	15.000	0.000	1.333	0.000	1.000	1.600	1.600	1.600	1.600	1.600	0.000	0.000	0.000	0.000	48.000			
15	Aziruni I Etapa	Mz. 19 Lt 28	3	1.200	1.200	1.200	1.200	1.200	6.667	4.667	3.333	33.667	15.000	8.333	12.333	5.667	1.267	1.267	1.267	1.267	1.267	0.000	0.000	0.000	0.000	102.000			
16	Aziruni II Etapa	Mz. A Lt 34	3	0.467	0.467	0.467	0.467	0.467	0.000	6.333	5.395	2.333	3.000	2.938	0.000	0.000	0.200	0.200	0.200	0.200	0.200	0.000	0.000	0.000	0.000	23.333			
17	Aziruni II Etapa	Mz. A Lt 11	5	0.720	0.720	0.720	0.720	0.720	17.200	26.000	1.400	0.000	0.000	4.200	0.000	1.800	0.040	0.040	0.040	0.040	0.040	0.000	0.000	0.000	0.000	54.400			
18	Aziruni II Etapa	Mz. A Lt 14	4	0.000	0.000	0.000	0.000	0.000	15.750	15.500	15.000	1.250	1.250	1.500	8.750	8.000	2.500	2.500	2.500	2.500	2.500	0.000	0.000	0.000	0.000	79.500			
19	Aziruni III etp. A	Mz. P Lt 12	8	0.100	0.100	0.100	0.100	0.100	26.750	2.500	4.375	6.375	6.000	0.000	8.625	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	55.125			
20	Aziruni III etp. A	Mz. I Lt 07	4	4.400	4.400	4.400	4.400	4.400	0.500	25.000	7.500	10.500	30.500	16.750	30.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	143.250			
21	Aziruni III etp. A	Mz. L Lt 09	2	0.000	0.000	0.000	0.000	0.000	1.000	7.000	14.500	25.500	0.000	4.500	2.000	3.500	2.600	2.600	2.600	2.600	2.600	0.000	0.000	0.000	0.000	71.000			
22	Aziruni III etp. B	Mz. P Lt 01	13	0.000	0.000	0.000	0.000	0.000	6.000	14.154	14.385	13.231	2.923	4.846	9.077	4.846	0.323	0.323	0.323	0.323	0.323	0.000	0.000	0.000	0.000	71.077			
23	Aziruni II Etapa	Mz. C Lt 50	5	0.000	0.000	0.000	0.000	0.000	8.600	22.600	18.000	33.800	12.000	8.000	3.600	7.000	1.600	1.600	1.600	1.600	1.600	0.000	0.000	0.000	0.000	121.600			
24	Aziruni II Etapa	Mz. C Lt 47	3	0.533	0.533	0.533	0.533	0.533	10.000	13.333	11.000	3.333	0.000	1.000	10.000	6.667	3.000	3.000	3.000	3.000	3.000	0.000	0.000	0.000	0.000	73.000			
25	Aziruni II Etapa	Mz. B Lt 03	4	0.000	0.000	0.000	0.000	0.000	4.250	11.500	18.250	10.250	0.000	0.750	5.250	5.750	0.900	0.900	0.900	0.900	0.900	0.000	0.000	0.000	0.000	60.500			
26	Aziruni II Etapa	Mz. B Lt 14-b	3	0.000	0.000	0.000	0.000	0.000	1.667	6.667	15.000	25.333	0.000	5.667	2.667	4.000	2.467	2.467	2.467	2.467	2.467	0.000	0.000	0.000	0.000	73.333			
27	Aziruni II Etapa	Mz. B Lt 13	3	0.000	0.000	0.000	0.000	0.000	10.667	19.000	32.000	17.000	2.000	2.667	7.667	9.667	0.333	0.333	0.333	0.333	0.333	0.000	0.000	0.000	0.000	102.333			
28	Aziruni II Etapa	Mz. B Lt 15	3	0.267	0.267	0.267	0.267	0.267	12.333	15.000	12.333	3.333	0.000	0.000	11.000	8.000	3.400	3.400	3.400	3.400	3.400	0.000	0.000	0.000	0.000	80.333			
29	Aziruni II Etapa	Mz. B Lt 16	6	0.000	0.000	0.000	0.000	0.000	8.000	19.167	29.500	9.167	0.667	5.000	13.000	5.833	1.100	1.100	1.100	1.100	1.100	0.000	0.000	0.000	0.000	95.833			
30	Aziruni II Etapa	Mz. J Lt 05	7	0.000	0.000	0.000	0.000	0.000	12.000	13.000	12.714	1.857	1.286	1.857	8.143	6.571	2.429	2.429	2.429	2.429	2.429	0.000	0.000	0.000	0.000	69.571			
31	Aziruni II Etapa	Mz. J Lt 03	6	0.000	0.000	0.000	0.000	0.000	6.000	15.833	24.833	12.500	0.333	0.667	6.500	7.833	1.133	1.133	1.133	1.133	1.133	0.000	0.000	0.000	0.000	80.167			
32	Aziruni I Etapa	Mz. 13 Lt 27	2	0.000	0.000	0.000	0.000	0.000	2.000	6.000	14.500	0.000	0.000	5.500	2.000	3.500	7.400	7.400	7.400	7.400	7.400	0.000	0.000	0.000	0.000	70.500			
33	Aziruni I Etapa	Mz. 11 Lt 06	3	0.000	0.000	0.000	0.000	0.000	5.667	11.667	18.667	0.000	0.000	0.000	5.333	6.333	2.533	2.533	2.533	2.533	2.533	0.000	0.000	0.000	0.000	60.333			
34	Aziruni I Etapa	Mz. 20 Lt 01	3	0.000	0.000	0.000	0.000	0.000	11.000	11.333	9.000	0.000	0.000	0.667	7.000	6.000	2.800	2.800	2.800	2.800	2.800	0.000	0.000	0.000	0.000	59.000			
35	Aziruni I Etapa	Mz. 20 Lt 03	6	0.000	0.000	0.000	0.000	0.000	9.667	21.000	33.167	10.667	0.667	5.833	15.167	9.000	0.667	0.667	0.667	0.667	0.667	0.000	0.000	0.000	0.000	108.500			
36	Aziruni I Etapa	Mz. 20 Lt 04	6	0.000	0.000	0.000	0.000	0.000	5.667	13.000	20.500	10.000	1.000	0.833	5.167	6.333	0.633	0.633	0.633	0.633	0.633	0.000	0.000	0.000	0.000	65.667			
37	Aziruni I Etapa	Mz. 20 Lt 05	6	0.000	0.000	0.000	0.000	0.000	2.167	7.667	18.667	32.000	14.000	5.000	2.167	4.167	1.200	1.200	1.200	1.200	1.200	0.000	0.000	0.000	0.000	91.833			
38	Aziruni II Etapa	Mz. I Lt 10	5	0.280	0.280	0.280	0.280	0.280	12.400	12.800	12.200	1.400	1.800	1.000	7.600	6.400	2.080	2.080	2.080	2.080	2.080	0.000	0.000	0.000	0.000	67.400			
39	Aziruni II Etapa	Mz. I Lt 14	2	0.000	0.000	0.000	0.000	0.000	15.000	15.000	13.500	0.000	0.000	1.000	11.000	8.500	3.000	3.000	3.000	3.000	3.000	0.000	0.000	0.000	0.000	79.000			
MEDIA				0.371	0.371	0.371	0.371	0.371	9.319	12.227	14.978	8.011	3.268	3.893	6.628	4.752	1.621	1.621	1.621	1.621	1.621	0.000	0.000	0.000	0.000	73.275			

