

		ORDEN DE COMPRA (OC - 01-07191) Purchase Order 13-marzo-2018 (Expresado en Bolivianos)	
Entidad: 01 : ENDE Guaracachi S.A. Programa: 01 : ENDE Guaracachi S.A. Nro. de Cuenta: 1507191			
Proveedor:	00371	Empresa Electrica ENDE Guaracachi S.A.	
Supplier:	UNIVERSIDAD AUTÓNOMA JUAN MISAEL SARACHO AV. VICTOR PAZ ESTENSORO, CAMPUS UNIVERSITARIO - TARIJA 664-3403 /	NIT: 1015209022 Dirección: AV. BRASIL Y 3ER ANILLO S/N Ciudad: SANTA CRUZ - BOLIVIA Fono: +591 3464632 Fax: -	
Contacto:	Ing Moises Perales Cel.71861370 - 76184030 Telf. 46644947		
Condiciones: Terms:	COM		
Forma de pago: Payment conditions:	100% UNA VEZ APROBADO EL DOCUMENTO FINAL, INFORME TECNICO EN FORMATO DE PAPEL Y EN FORMATO DIGITAL.		
Fecha Recepción (Aprox.): Time of delivery:	07-abr.-2018	Notify: Area de Compras y Servicios Generales	
Inspección: Inspection:	GUZMAN ALEMAN VICTOR GUALBERTO	GASTO	
Lugar Entrega :	Planta San Jacinto		
Documentos:	SERVICIO DE BATIMETRÍA SECTOR OBRA DE TOMA LAGO SAN JACINTO		
Cantidad Quantity	Unidad Unit	Descripción Description	PRECIO (Price) Unitario (Unit) Total
1	SER	SERVICIO DE BATIMETRÍA SECTOR OBRA DE TOMA LAGO SAN JACINTO	15.000,00 15.000,00
TOTAL BOLIVIANOS			15.000,00
Descripción: Description:		PLANTA HIDROELECTRICA SAN JACINTO - USM.	

 FIRMA Y SELLO Solicitante Ing. Victor Guzman Aleman JEFE DE PLANTA SAN JACINTO EMPRESA ELECTRICA ENDE GUARACACHI S.A.	 FIRMA Y SELLO JEFE DE PLANTA DE SISTEMAS MAIORES ENDE GUARACACHI S.A.	 FIRMA Y SELLO Firma Autorizada LIC. Tania Acuña GERENTE ADMINISTRATIVA ENDE GUARACACHI S.A.
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Anexo 1. Orden de compra de la Empresa ENDE Guaracachi S.A.

Características físicas		
Eslora	180 cm	
Anchura del casco	90 cm	
Peso	30 kg	
Carga útil	20 kg	
Material del casco	Plástico ABS resistente a radiación UV	
Motor: Z-Boat 1800	Mono-motor con escobillas DC	
Motor: Z-Boat 1800 High Speed	Motor Dual sin escobillas 24V DC	
Manejo remoto		
Unidad de control remoto	Hitec con telemetría Vessel	
Frecuencia del control remoto	2.4GHz FHSS	
Alcance del control remoto	1500 m	
Alcance en la telemetría de datos - Bluetooth	600 m	
Alcance en la telemetría de datos – 900MHz Hydrolink	> 2000 m	
Rendimiento		
Velocidad típica	3-4 nudos (1.5-2.0 m/s)	
Velocidad máxima: Z-Boat 1800 HS	4 nudos (2 m/s)	
Duración de la batería: Z-Boat 1800 HS	Más de 240 minutos	
Batería: Z-Boat 1800 HS	3 x 24V 10 Ah	

Anexo 2. Especificaciones técnicas Z-BOAT.

**PLANILLA DE PUNTOS TOPO-BATIMÉTRICOS DEL
SECTOR DE LA PRESA DE SAN JACINTO AÑO 2018**

Departamento	Tarija	Ecosonda	CV 100
Provincia	Cercado	Distancia entre Puntos	1 m
Embalse	San Jacinto	Numero de Puntos	104196

Nº	ESTE	NORTE	ALTURA (m.s.n.m.)
1	321264.19	7610309.1	1882.72
2	321171.43	7610281.27	1875.38
3	321170.45	7610280.86	1875.61
4	321169.47	7610280.45	1875.85
5	321168.47	7610280.04	1876.15
6	321167.53	7610279.65	1876.34
7	321166.58	7610279.25	1876.48
8	321165.63	7610278.86	1876.82
9	321162.13	7610277.45	1877.49
10	321161.13	7610277.42	1877.36
11	321160.1	7610277.6	1877.3
12	321159.04	7610277.82	1877.15
13	321158.03	7610278.01	1877.01
14	321156.34	7610278.29	1876.88
15	321155.25	7610278.39	1876.98
16	321153.94	7610278.44	1876.99
17	321152.6	7610278.44	1877.06
18	321151.59	7610278.41	1877.2
19	321150.55	7610278.35	1877.26
20	321149.51	7610278.28	1877.39
21	321148.49	7610278.2	1877.51
22	321147.47	7610278.1	1877.68
23	321146.01	7610277.92	1877.7
24	321143.78	7610278.86	1877.31
25	321143.16	7610279.66	1876.94
26	321142.56	7610280.5	1876.67
27	321141.99	7610281.36	1876.42
28	321262.19	7610306.42	1879.23
29	321258.31	7610309.16	1876.6

30	321256.43	7610315.74	1878.01
31	321256.04	7610316.77	1878.23
32	321255.7	7610317.77	1878.42
33	321255.35	7610318.82	1878.58
34	321255.06	7610319.78	1878.69
35	321254.76	7610320.75	1878.78
36	321254.47	7610321.79	1878.84
37	321254.21	7610322.79	1878.92
38	321253.98	7610323.78	1879.01
39	321253.89	7610324.84	1879.12
40	321253.89	7610330.03	1879.44
41	321253.95	7610331.09	1879.44
42	321254.25	7610334.13	1879.4
43	321254.33	7610335.13	1879.34
44	321254.37	7610336.22	1879.22
45	321254.36	7610337.27	1879.06
46	321253.93	7610340.24	1878.24
47	321253.67	7610341.31	1878.08
48	321253.38	7610342.29	1877.86
49	321253.08	7610343.32	1877.58
50	321252.87	7610344.38	1877.28
51	321252.65	7610345.42	1876.98
52	321252.41	7610346.43	1876.73
53	321252.1	7610348.97	1876.15
54	321252.1	7610350.02	1875.9
55	321252.07	7610351.12	1875.69
56	321252.02	7610352.15	1875.46
57	321251.93	7610353.62	1875.09
58	321251.85	7610354.67	1874.93
59	321251.81	7610355.74	1874.72
60	321251.77	7610356.79	1874.55
61	321251.7	7610357.84	1874.34
62	321250.82	7610360.12	1873.62
63	321251.29	7610359.22	1873.99
64	321252.29	7610359.22	1874.45
65	321253.3	7610359.55	1874.28
66	321253.54	7610360.58	1873.93
67	321252.86	7610361.53	1873.51

68	321251.9	7610362.01	1873.09
69	321250.87	7610361.89	1872.76
70	321249.8	7610361.77	1872.48
71	321248.83	7610361.45	1872.26
72	321247.95	7610360.96	1872.07
73	321244.94	7610354.53	1872.08
74	321244.7	7610353.29	1872.22
75	321244.48	7610352.26	1872.35
76	321245.4	7610349.44	1872.99
77	321245.99	7610348.63	1873.3
78	321247.45	7610346.41	1874.79
79	321248.5	7610346.29	1875.14
80	321249.51	7610346.31	1875.49
81	321252.56	7610348.01	1876.53
82	321253.55	7610350.13	1876.55
83	321253.59	7610351.16	1876.39
84	321253.33	7610352.17	1875.98
85	321252.79	7610353.05	1875.52
86	321250.85	7610354.56	1874.33
87	321249.92	7610354.97	1873.77
88	321241.01	7610354.85	1870.51
89	321240.13	7610354.37	1870.32
90	321238.13	7610352.92	1869.79
91	321237.37	7610352.23	1869.68
92	321236.69	7610351.49	1869.55
93	321236.09	7610350.68	1869.34
94	321235.5	7610349.73	1869.18
95	321235	7610348.86	1869.1
96	321234.5	7610347.95	1869.04
97	321233.11	7610345.62	1868.58
98	321230.33	7610342.62	1867.47
99	321229.3	7610342.32	1867.44
100	321228.27	7610342.16	1867.42
101	321223.57	7610341.53	1867.13
102	321222.7	7610340.94	1866.95
103	321221.98	7610340.17	1866.66
104	321221.36	7610339.37	1866.38
105	321220.74	7610338.54	1865.93

106	321219.6	7610337.1	1865.26
107	321218.94	7610336.29	1865.06
108	321217.26	7610334.44	1864.87
109	321216.46	7610333.7	1864.83
110	321215.67	7610333.04	1864.8
111	321214.86	7610332.42	1864.77
112	321213.99	7610331.81	1864.75
113	321213.12	7610331.24	1864.73
114	321212.25	7610330.69	1864.71
115	321211.37	7610330.13	1864.7
116	321210.47	7610329.56	1864.69
117	321209.56	7610328.98	1864.68
118	321208.66	7610328.4	1864.67
119	321207.8	7610327.84	1864.66
120	321206.94	7610327.27	1864.66
121	321206.04	7610326.66	1864.65
122	321205.17	7610326.1	1864.65
123	321204.31	7610325.54	1864.64
124	321203.42	7610324.97	1864.64
125	321202.55	7610324.4	1864.64
126	321201.66	7610323.83	1864.64
127	321200.75	7610323.26	1864.64
128	321199.85	7610322.73	1864.64
129	321198.95	7610322.21	1864.64
130	321198.02	7610321.65	1864.64
131	321197.09	7610321.09	1864.64
132	321196.19	7610320.54	1864.64
133	321195.27	7610320	1864.64
134	321194.38	7610319.45	1864.64
135	321193.5	7610318.9	1864.64
136	321192.57	7610318.26	1864.64
137	321191.75	7610317.67	1864.64
138	321190.92	7610317.06	1864.64
139	321190.1	7610316.45	1864.65
140	321189.29	7610315.83	1864.65
141	321188.21	7610315	1864.66
142	321187.29	7610314.29	1864.67
143	321186.09	7610313.35	1864.68

144	321185.08	7610312.55	1864.69
145	321184.15	7610311.82	1864.7
146	321183.33	7610311.16	1864.71
147	321182.11	7610310.18	1864.73
148	321181.17	7610309.44	1864.75
149	321180.13	7610308.64	1864.79
150	321179.17	7610307.9	1864.87
151	321178.36	7610307.18	1864.95
152	321177.55	7610306.46	1865.04
153	321176.68	7610305.69	1865.11
154	321175.9	7610305.06	1865.17
155	321175.04	7610304.45	1865.25
156	321174.12	7610303.85	1865.31
157	321173.06	7610303.29	1865.33
158	321171.62	7610302.71	1865.37
159	321170.61	7610302.39	1865.42
160	321169.51	7610302.06	1865.49
161	321168.44	7610301.73	1865.59
162	321167.49	7610301.35	1865.68
163	321166.45	7610300.87	1865.79
164	321165.53	7610300.37	1865.91
165	321164.65	7610299.83	1866.06
166	321163.71	7610299.21	1866.22
167	321162.83	7610298.64	1866.43
168	321161.92	7610298.11	1866.7
169	321161.03	7610297.61	1866.96
170	321160.04	7610297.08	1867.2
171	321159.11	7610296.62	1867.51
172	321158.16	7610296.17	1867.79
173	321157.19	7610295.76	1868.06
174	321156.19	7610295.38	1868.41
175	321155.22	7610295.05	1868.82
176	321154.07	7610294.74	1869.14
177	321153.09	7610294.51	1869.48
178	321149.57	7610292.71	1870.75
179	321148.69	7610292.15	1871.27
180	321147.83	7610291.53	1871.69
181	321147.06	7610290.8	1872.2

182	321146.44	7610289.97	1872.48
183	321145.86	7610289.15	1872.58
184	321233.72	7610276.36	1863.93
185	321234.73	7610276.53	1863.89
186	321239.62	7610280.01	1863.53
187	321240.51	7610280.5	1863.41
188	321241.37	7610281.04	1863.31
189	321242.2	7610281.61	1863.27
190	321243.02	7610282.21	1863.26
191	321243.88	7610282.88	1863.28
192	321244.78	7610283.6	1863.3
193	321245.7	7610284.21	1863.33
194	321246.64	7610284.76	1863.39
195	321247.55	7610285.34	1863.48
196	321248.45	7610285.89	1863.58
197	321249.36	7610286.43	1863.72
198	321250.26	7610286.9	1863.88
199	321251.21	7610287.38	1864.08
200	321257.53	7610291.62	1868.14
201	321258.36	7610292.28	1869.57
202	321259.17	7610292.91	1870.84
203	321260.01	7610293.55	1872.12
204	321260.89	7610294.11	1873.49
205	321261.79	7610294.65	1876.35
206	321262.7	7610295.14	1877.29
207	321263.63	7610295.66	1877.85
208	321264.53	7610296.17	1881.05
209	321265.41	7610296.74	1882.03
210	321266.52	7610297.59	1882.12
211	321232.15	7610343.98	1868.95
212	321233.16	7610344.51	1869.08
213	321234.05	7610345.07	1869.32
214	321234.92	7610345.65	1869.58
215	321235.74	7610346.26	1869.88
216	321236.53	7610346.95	1870.14
217	321237.26	7610347.71	1870.34
218	321237.97	7610348.48	1870.59
219	321238.68	7610349.25	1870.83

220	321239.35	7610350.02	1870.97
221	321240	7610350.86	1871.14
222	321240.65	7610351.73	1871.26
223	321241.25	7610352.57	1871.37
224	321241.85	7610353.38	1871.49
225	321242.45	7610354.19	1871.74
226	321243.05	7610355.01	1871.93
227	321244.81	7610357.48	1872.31
228	321245.52	7610358.55	1872.37
229	321246.26	7610359.55	1872.46
230	321247.15	7610360.01	1872.65
231	321248.17	7610359.85	1873.05
232	321249.19	7610358.4	1873.58
233	321249.34	7610357.37	1873.77
234	321249.2	7610356.35	1873.83
235	321248.73	7610355.44	1873.78
236	321248.12	7610354.64	1873.57
237	321244.24	7610351.25	1872.41
238	321243.48	7610350.58	1872.22
239	321242.68	7610349.87	1872.04
240	321241.91	7610349.15	1871.7
241	321240.64	7610347.92	1871.09
242	321239.93	7610347.21	1870.79
243	321239.23	7610346.48	1870.48
244	321238.51	7610345.74	1870.26
245	321237.79	7610344.97	1869.95
246	321235.52	7610342.59	1869.25
247	321234.84	7610341.83	1869.1
248	321233.22	7610339.8	1868.9
249	321232.66	7610338.92	1868.25
250	321232.11	7610338	1867.74
251	321231.52	7610337.12	1867.58
252	321230.88	7610336.3	1867.52
253	321230.18	7610335.52	1867.48
254	321228.76	7610334.49	1867.39
255	321227.77	7610334.29	1867.22
256	321226.73	7610334.3	1866.34
257	321225.68	7610334.33	1865.56

258	321224.66	7610334.31	1865.19
259	321223.61	7610334.24	1865.03
260	321222.56	7610334.09	1864.92
261	321221.58	7610333.8	1864.83
262	321217.44	7610330.59	1864.69
263	321216.72	7610329.88	1864.67
264	321216	7610329.13	1864.66
265	321215.23	7610328.3	1864.65
266	321214.51	7610327.53	1864.63
267	321213.81	7610326.74	1864.61
268	321213.11	7610325.95	1864.61
269	321212.38	7610325.17	1864.61
270	321211.66	7610324.46	1864.6
271	321210.9	7610323.73	1864.6
272	321210.17	7610322.99	1864.59
273	321209.42	7610322.24	1864.59
274	321208.68	7610321.56	1864.59
275	321207.91	7610320.92	1864.58
276	321207.07	7610320.3	1864.58
277	321206.25	7610319.68	1864.58
278	321205.4	7610319.02	1864.58
279	321204.6	7610318.38	1864.58
280	321203.79	7610317.69	1864.58
281	321203.03	7610317.03	1864.58
282	321202.28	7610316.36	1864.58
283	321201.5	7610315.73	1864.58
284	321200.27	7610314.9	1864.59
285	321199.37	7610314.42	1864.59
286	321198.41	7610313.96	1864.59
287	321197	7610313.18	1864.6
288	321195.54	7610312.16	1864.61
289	321194.7	7610311.54	1864.62
290	321193.88	7610310.92	1864.63
291	321192.3	7610309.85	1864.65
292	321190.8	7610309	1864.67
293	321189.64	7610308.31	1864.69
294	321188.43	7610307.55	1864.72
295	321187.33	7610306.83	1864.77

296	321186.47	7610306.21	1864.84
297	321185.64	7610305.58	1864.93
298	321184.69	7610304.84	1865.05
299	321183.81	7610304.19	1865.15
300	321182.88	7610303.55	1865.3
301	321181.98	7610303	1865.47
302	321181.08	7610302.49	1865.63
303	321180.16	7610302	1865.79
304	321179.24	7610301.51	1866.01
305	321178.33	7610301	1866.28
306	321177.46	7610300.46	1866.59
307	321176.61	7610299.85	1866.8
308	321175.78	7610299.19	1867.03
309	321175	7610298.53	1867.26
310	321174.24	7610297.86	1867.52
311	321173.45	7610297.15	1867.8
312	321172.71	7610296.46	1868.02
313	321171.98	7610295.76	1868.35
314	321171.25	7610295.07	1868.7
315	321170.51	7610294.39	1869.01
316	321169.75	7610293.74	1869.28
317	321168.95	7610293.12	1869.59
318	321164.95	7610290.9	1869.96
319	321163.98	7610290.44	1870.09
320	321163.07	7610289.97	1870.52
321	321162.18	7610289.45	1871.13
322	321161.33	7610288.9	1871.75
323	321160.49	7610288.26	1872.11
324	321159.73	7610287.61	1872.33
325	321158.99	7610286.92	1872.66
326	321158.27	7610286.2	1872.93
327	321157.56	7610285.48	1873.21
328	321156.88	7610284.74	1873.41
329	321267.41	7610298.2	1882.95
330	321268.33	7610298.62	1882.77
331	321269.36	7610298.49	1882.55
332	321270.34	7610298.28	1882.45
333	321271.21	7610297.78	1882.39

334	321271.85	7610296.98	1882.33
335	321272.08	7610295.99	1882.28
336	321271.82	7610295.02	1882.23
337	321271.27	7610294.15	1882.18
338	321270.53	7610293.46	1882.09
339	321269.78	7610292.78	1881.96
340	321269.05	7610292.08	1881.76
341	321268.31	7610291.38	1881.39
342	321266.36	7610290.22	1878.17
343	321263.83	7610288.8	1872.74
344	321261.6	7610286.87	1869.69
345	321260.09	7610285.46	1867.81
346	321259.29	7610284.82	1867.38
347	321258.43	7610284.29	1865.13
348	321248.47	7610278.95	1862.95
349	321247.35	7610278.35	1862.98
350	321246.24	7610277.79	1863.04
351	321245.25	7610277.29	1863.11
352	321244.29	7610276.85	1863.19
353	321243.32	7610276.4	1863.28
354	321241.55	7610275.57	1863.42
355	321240.54	7610275.03	1863.49
356	321239.67	7610274.52	1863.56
357	321238.77	7610274	1863.64
358	321237.85	7610273.48	1863.72
359	321236.97	7610272.97	1863.82
360	321236.05	7610272.43	1863.94
361	321235.18	7610271.89	1864.09
362	321234.3	7610271.3	1864.23
363	321233.43	7610270.68	1864.42
364	321232.57	7610270	1864.64
365	321231.74	7610269.32	1864.89
366	321230.93	7610268.63	1865.17
367	321230.1	7610267.96	1865.52
368	321228	7610266.95	1866.26
369	321156.07	7610283.83	1874.2
370	321155.38	7610283.05	1874.45
371	321154.71	7610282.25	1874.84

**PLANILLA DE PUNTOS TOPO-BATIMÉTRICOS DEL
SECTOR DE LA PRESA DE SAN JACINTO AÑO 2019**

Departamento	Tarija	Ecosonda	CV 100
Provincia	Cercado	Distancia entre Puntos	2 m
Embalse	San Jacinto	Numero de Puntos	30517

Nº	ESTE	NORTE	ALTURA (m.s.n.m.)
1	321238.25	7610263.76	1861.94
2	321238.36	7610263.7	1862.46
3	321238.49	7610263.63	1861.27
4	321238.75	7610263.49	1861.92
5	321238.88	7610263.43	1861.53
6	321239.01	7610263.36	1861.55
7	321239.27	7610263.22	1862.2
8	321239.4	7610263.15	1860.73
9	321239.52	7610263.08	1861.39
10	321239.65	7610263.01	1861.64
11	321239.75	7610262.96	1861.27
12	321239.86	7610262.9	1861.05
13	321239.99	7610262.83	1860.52
14	321240.14	7610262.75	1861.02
15	321240.29	7610262.67	1860.96
16	321240.39	7610262.61	1861.52
17	321240.5	7610262.55	1861.71
18	321240.62	7610262.48	1861.33
19	321240.74	7610262.41	1861.62
20	321240.86	7610262.34	1861.26
21	321240.99	7610262.27	1861.61
22	321241.1	7610262.21	1860.63
23	321241.23	7610262.14	1860.61
24	321241.35	7610262.07	1860.86
25	321241.47	7610262	1861.21
26	321241.59	7610261.93	1860.77
27	321241.71	7610261.86	1860.76
28	321241.82	7610261.8	1860.57
29	321241.92	7610261.74	1861.01

30	321242.02	7610261.68	1860.76
31	321242.13	7610261.62	1860.34
32	321242.27	7610261.53	1860.44
33	321242.4	7610261.46	1860.86
34	321242.48	7610261.41	1861
35	321242.57	7610261.36	1860.54
36	321242.66	7610261.3	1860.5
37	321242.76	7610261.24	1860.4
38	321242.87	7610261.17	1860.52
39	321242.98	7610261.11	1860.09
40	321243.08	7610261.05	1860.6
41	321243.41	7610260.85	1859.84
42	321243.51	7610260.79	1860.56
43	321243.62	7610260.72	1859.81
44	321243.73	7610260.66	1859.86
45	321243.84	7610260.59	1860.09
46	321243.95	7610260.52	1860.08
47	321244.05	7610260.46	1859.06
48	321244.27	7610260.33	1859.92
49	321244.35	7610260.28	1859.29
50	321244.44	7610260.22	1859.63
51	321244.54	7610260.16	1860.27
52	321244.66	7610260.07	1859.74
53	321244.79	7610259.99	1860.03
54	321244.87	7610259.93	1859.62
55	321244.96	7610259.88	1859.69
56	321245.04	7610259.82	1859.4
57	321245.13	7610259.76	1859.39
58	321245.22	7610259.7	1859.92
59	321245.3	7610259.64	1858.58
60	321245.39	7610259.59	1858.86
61	321245.48	7610259.53	1858.67
62	321245.58	7610259.47	1858.72
63	321245.68	7610259.42	1858.99
64	321245.77	7610259.37	1858.83
65	321245.87	7610259.31	1859.35
66	321245.98	7610259.26	1858.65
67	321246.08	7610259.22	1859.34

68	321246.19	7610259.17	1859.25
69	321246.52	7610259.04	1857.46
70	321246.61	7610259.03	1857.49
71	321246.72	7610259.01	1857.25
72	321246.84	7610259	1857.54
73	321246.99	7610259	1856.8
74	321247.15	7610259.01	1857.66
75	321247.28	7610259.04	1857.48
76	321247.42	7610259.08	1857.19
77	321247.53	7610259.12	1856.71
78	321247.66	7610259.16	1856.72
79	321247.77	7610259.21	1857.62
80	321247.89	7610259.27	1857.84
81	321248	7610259.32	1857.36
82	321248.1	7610259.37	1857.52
83	321248.21	7610259.42	1856.73
84	321248.32	7610259.47	1857.4
85	321248.42	7610259.53	1855.89
86	321248.64	7610259.63	1856.05
87	321248.76	7610259.7	1856.47
88	321248.89	7610259.76	1856.66
89	321249.01	7610259.82	1857.25
90	321249.13	7610259.88	1856.5
91	321249.22	7610259.93	1856.47
92	321249.31	7610259.97	1856.63
93	321249.4	7610260.02	1856.72
94	321249.49	7610260.07	1856.43
95	321249.59	7610260.12	1856.54
96	321249.69	7610260.17	1856.43
97	321249.8	7610260.24	1856.58
98	321249.91	7610260.31	1855.64
99	321250.03	7610260.38	1856.07
100	321250.15	7610260.45	1856.26
101	321250.27	7610260.52	1855.83
102	321250.39	7610260.58	1856.73
103	321250.51	7610260.63	1857.06
104	321250.6	7610260.65	1857.35
105	321250.79	7610260.68	1856.14

106	321250.89	7610260.7	1856.21
107	321250.99	7610260.71	1855.86
108	321251.26	7610260.71	1856.75
109	321251.39	7610260.7	1855.86
110	321251.53	7610260.7	1855.84
111	321251.67	7610260.69	1855.86
112	321251.82	7610260.7	1855.88
113	321252.05	7610260.76	1857.06
114	321252.17	7610260.79	1857.13
115	321252.29	7610260.82	1856.75
116	321252.41	7610260.87	1855.84
117	321252.55	7610260.97	1855.84
118	321252.81	7610261.17	1855.97
119	321252.94	7610261.28	1857.09
120	321253.06	7610261.4	1855.8
121	321253.18	7610261.51	1856.73
122	321253.27	7610261.61	1856.73
123	321253.36	7610261.7	1855.95
124	321253.46	7610261.8	1855.86
125	321253.55	7610261.89	1855.95
126	321253.65	7610261.99	1856.72
127	321253.78	7610262.11	1855.85
128	321253.91	7610262.22	1856.9
129	321254.03	7610262.34	1855.86
130	321254.16	7610262.46	1855.86
131	321254.28	7610262.57	1855.84
132	321254.4	7610262.69	1856.95
133	321254.5	7610262.78	1855.85
134	321254.6	7610262.88	1856.45
135	321254.69	7610262.98	1855.78
136	321254.79	7610263.08	1855.88
137	321254.9	7610263.18	1855.85
138	321255.01	7610263.31	1855.83
139	321255.13	7610263.43	1855.86
140	321255.25	7610263.56	1857.04
141	321255.36	7610263.68	1856.84
142	321255.47	7610263.8	1857.01
143	321255.57	7610263.92	1855.86

144	321255.64	7610264.03	1855.85
145	321255.7	7610264.15	1855.83
146	321255.77	7610264.27	1855.82
147	321255.84	7610264.39	1855.82
148	321255.91	7610264.51	1855.84
149	321255.98	7610264.63	1855.83
150	321256.05	7610264.74	1855.83
151	321256.11	7610264.86	1855.8
152	321256.18	7610264.98	1855.84
153	321256.24	7610265.12	1855.8
154	321256.3	7610265.26	1855.8
155	321256.36	7610265.39	1855.78
156	321256.4	7610265.54	1855.79
157	321256.43	7610265.8	1855.52
158	321256.44	7610265.94	1854.96
159	321256.45	7610266.07	1854.94
160	321256.47	7610266.2	1855.49
161	321256.48	7610266.33	1855.82
162	321256.48	7610266.48	1855.62
163	321256.45	7610266.63	1855.07
164	321256.41	7610266.78	1855.64
165	321256.23	7610267.17	1855.57
166	321256.16	7610267.28	1856.29
167	321256.09	7610267.39	1855.94
168	321256.02	7610267.5	1856.52
169	321255.88	7610267.71	1855.94
170	321255.8	7610267.82	1855.82
171	321255.68	7610267.92	1857.04
172	321255.55	7610268.02	1857.11
173	321255.42	7610268.1	1857.25
174	321255.29	7610268.18	1857.22
175	321255.16	7610268.22	1857.25
176	321255.03	7610268.26	1857.61
177	321254.9	7610268.3	1857.21
178	321254.77	7610268.34	1857.3
179	321254.64	7610268.38	1857.27
180	321254.52	7610268.41	1858.08
181	321254.38	7610268.44	1857.65

182	321254.22	7610268.44	1858.13
183	321254.06	7610268.44	1856.89
184	321253.91	7610268.41	1857.59
185	321253.76	7610268.38	1857.98
186	321253.63	7610268.31	1857.98
187	321253.5	7610268.25	1883.9
188	321253.37	7610268.18	1883.9
189	321253.24	7610268.12	1883.9
190	321253.11	7610268.05	1857.84
191	321252.99	7610267.99	1857.84
192	321252.86	7610267.9	1883.9
193	321252.74	7610267.76	1883.9
194	321252.62	7610267.62	1857.33
195	321252.49	7610267.46	1857.14
196	321252.36	7610267.3	1856.7
197	321252.26	7610267.16	1856.84
198	321252.15	7610267.02	1856.61
199	321252.04	7610266.88	1857.2
200	321251.93	7610266.73	1857.22
201	321251.82	7610266.58	1857.16
202	321251.72	7610266.44	1857.03
203	321251.6	7610266.29	1857.18
204	321251.47	7610266.14	1856.45
205	321251.33	7610265.99	1857.24
206	321251.21	7610265.84	1856.57
207	321251.09	7610265.69	1857.26
208	321250.98	7610265.56	1857.41
209	321250.87	7610265.41	1857.1
210	321250.77	7610265.31	1857.98
211	321250.67	7610265.19	1857.09
212	321250.58	7610265.08	1856.79
213	321250.48	7610264.97	1856.84
214	321250.37	7610264.85	1856.58
215	321250.25	7610264.72	1856.52
216	321250.13	7610264.57	1856.73
217	321250.01	7610264.43	1857.1
218	321249.89	7610264.28	1857.65
219	321249.76	7610264.13	1858.22

220	321249.63	7610263.98	1858.01
221	321249.52	7610263.85	1857.8
222	321249.4	7610263.73	1858.23
223	321249.29	7610263.6	1858
224	321249.18	7610263.48	1857.64
225	321249.06	7610263.34	1858.04
226	321248.92	7610263.17	1858.01
227	321248.77	7610262.99	1859.09
228	321248.62	7610262.81	1858.52
229	321248.46	7610262.62	1858.64
230	321248.3	7610262.45	1858.85
231	321247.97	7610262.22	1859.86
232	321247.8	7610262.14	1859.32
233	321247.64	7610262.07	1859.46
234	321247.47	7610261.99	1858.97
235	321247.31	7610261.91	1859.18
236	321247.14	7610261.83	1859.49
237	321246.97	7610261.76	1859.29
238	321246.78	7610261.74	1859.92
239	321246.57	7610261.72	1860.22
240	321246.42	7610261.74	1859.6
241	321246.26	7610261.76	1859.66
242	321246.11	7610261.78	1859.92
243	321245.96	7610261.8	1859.92
244	321245.79	7610261.82	1859.08
245	321245.64	7610261.85	1860.22
246	321245.48	7610261.87	1860.05
247	321245.32	7610261.89	1860.13
248	321245.17	7610261.91	1860.43
249	321245.01	7610261.94	1859.65
250	321244.9	7610262	1860.21
251	321244.78	7610262.07	1859.87
252	321244.64	7610262.14	1859.87
253	321244.49	7610262.26	1883.9
254	321244.27	7610262.51	1859.27
255	321244.19	7610262.63	1859.9
256	321244.1	7610262.76	1859.9
257	321244.02	7610262.88	1883.9

258	321243.94	7610263.01	1883.9
259	321243.85	7610263.14	1883.9
260	321243.77	7610263.26	1883.9
261	321243.7	7610263.4	1859.7
262	321243.68	7610263.56	1859.47
263	321243.66	7610263.72	1859.47
264	321243.63	7610263.88	1883.9
265	321243.63	7610264.36	1859.74
266	321243.65	7610264.51	1859.57
267	321243.71	7610264.83	1859.66
268	321243.73	7610264.98	1859.52
269	321243.76	7610265.1	1859.64
270	321243.79	7610265.22	1859.51
271	321243.82	7610265.35	1860
272	321243.85	7610265.49	1859.75
273	321243.87	7610265.63	1859.51
274	321243.9	7610265.76	1859.44
275	321243.93	7610265.9	1859.62
276	321243.96	7610266.04	1859.94
277	321243.99	7610266.16	1859.83
278	321244.03	7610266.29	1859.92
279	321244.09	7610266.53	1859.66
280	321244.13	7610266.65	1859.9
281	321244.15	7610266.74	1860.06
282	321244.17	7610266.83	1860.17
283	321244.2	7610266.94	1860.3
284	321244.22	7610267.08	1859.96
285	321244.24	7610267.22	1859.86
286	321244.26	7610267.31	1859.36
287	321244.27	7610267.4	1858.87
288	321244.29	7610267.5	1858.87
289	321244.33	7610267.61	1859.9
290	321244.37	7610267.73	1859.74
291	321244.44	7610267.95	1859.47
292	321244.48	7610268.07	1860.2
293	321244.53	7610268.18	1859.83
294	321244.59	7610268.3	1859.69
295	321244.64	7610268.41	1859.98

296	321244.69	7610268.52	1859.51
297	321244.74	7610268.63	1859.92
298	321244.85	7610268.83	1860
299	321244.92	7610268.94	1859.53
300	321245	7610269.08	1859.51
301	321245.08	7610269.22	1859.4
302	321245.14	7610269.32	1859.96
303	321245.2	7610269.43	1860.27
304	321245.27	7610269.54	1860.52
305	321245.34	7610269.65	1860.24
306	321245.41	7610269.78	1860.38
307	321245.48	7610269.9	1860.47
308	321245.55	7610270.02	1861.12
309	321245.63	7610270.14	1860.81
310	321245.7	7610270.25	1860.67
311	321245.77	7610270.37	1860.72
312	321245.85	7610270.49	1860.17
313	321245.92	7610270.61	1860.15
314	321246	7610270.72	1859.97
315	321246.1	7610270.82	1859.79
316	321246.2	7610270.91	1859.72
317	321246.3	7610271.01	1859.79
318	321246.39	7610271.1	1859.76
319	321246.49	7610271.18	1859.87
320	321246.58	7610271.24	1859.57
321	321246.67	7610271.3	1860.16
322	321246.78	7610271.37	1859.55
323	321246.92	7610271.45	1859.55
324	321247.06	7610271.53	1859.85
325	321247.18	7610271.6	1859.85
326	321247.29	7610271.66	1883.9
327	321247.41	7610271.72	1859.75
328	321247.53	7610271.78	1859.75
329	321247.65	7610271.85	1859.56
330	321247.76	7610271.91	1859.14
331	321247.88	7610271.97	1859.62
332	321248	7610272.03	1858.68
333	321248.12	7610272.1	1858.96

334	321248.25	7610272.16	1859.07
335	321248.38	7610272.22	1859.38
336	321248.5	7610272.29	1859.25
337	321248.63	7610272.35	1858.69
338	321248.76	7610272.41	1859.54
339	321248.89	7610272.48	1859.41
340	321249.02	7610272.54	1859.06
341	321249.15	7610272.61	1858.4
342	321249.28	7610272.67	1858.69
343	321249.38	7610272.72	1859.57
344	321249.49	7610272.77	1859.18
345	321249.61	7610272.82	1858.9
346	321249.74	7610272.88	1859.07
347	321249.88	7610272.94	1858.6
348	321250.01	7610272.99	1858.76
349	321250.14	7610273.05	1859.31
350	321250.28	7610273.11	1859.34
351	321250.41	7610273.17	1859.37
352	321250.55	7610273.23	1858.83
353	321250.68	7610273.29	1858.95
354	321250.82	7610273.35	1859.07
355	321250.95	7610273.41	1858.95
356	321251.06	7610273.46	1858.24
357	321251.18	7610273.5	1859.14
358	321251.32	7610273.56	1859.34
359	321251.49	7610273.62	1859.56
360	321251.65	7610273.69	1859.15
361	321251.77	7610273.73	1859.11
362	321251.88	7610273.77	1859.18
363	321252.01	7610273.82	1859.28
364	321252.28	7610273.91	1858.9
365	321252.41	7610273.95	1858.3
366	321252.54	7610274	1859.47
367	321252.67	7610274.05	1859.18
368	321252.77	7610274.1	1859.84
369	321252.88	7610274.16	1859.12
370	321252.98	7610274.22	1860.04
371	321253.08	7610274.27	1859.56