MAP SHOWING FOREST LANDS (169.1779HA.) TO BE DIVERTED FOR UTKAL-E COAL MINES OF NALCO LTD. UNDER ANGUL FOREST DIVISION, DISTRICT ANGUL, ODISHA

SCALE-1:3960

Meters

0 50 100 200 300 400

84°54'30"E 84°55'0"E 84°55'30"E 84°56'0"E 84°56'30"E

20°58'0"N 20°58'30"N 20°57'30"N 20°57'0"N

DGPS SURVEYED CO-ORDINATES OF ML BOUNDARY PILLARS

Sl No.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	A	283977.910	2318370.850	84°55'20.74728"	20°57'11.57474"
2	B	284661.840	2318578.601	84°55'44.32206"	20°57'18.61609"
3	C	284656.070	2318495.165	84°55'44.15972"	20°57'15.90140"
4	C1	284788.805	2318532.056	84°55'48.73663"	20°57'17.15641"
5	C2	285157.395	2318726.912	84°56'01.40505"	20°57'23.64537"
6	D	285487.161	2318605.422	84°56'12.87126"	20°57'19.83428"
7	D1	285665.601	2318474.420	84°56'19.10477"	20°57'15.65046"
8	D2	285806.334	2318431.551	84°56'23.99407"	20°57'14.31577"
9	E	285913.377	2318443.879	84°56'27.69291"	20°57'14.76127"
10	F	285980.059	2318497.176	84°56'29.97681"	20°57'16.52168"
11	F1	285971.332	2318965.330	84°56'29.46653"	20°57'31.73651"
12	F2	285968.954	2319058.051	84°56'29.34298"	20°57'34.74963"
13	F3	285965.940	2319159.501	84°56'29.19353"	20°57'38.04624"
14	G	285962.369	2319259.400	84°56'29.02549"	20°57'41.29221"
15	H	285930.198	2319264.059	84°56'27.91005"	20°57'41.43021"
16	H1	285942.045	2319824.038	84°56'28.07078"	20°57'59.63860"
17	H2	285938.887	2319902.329	84°56'27.92663"	20°58'02.18232"
18	H3	285896.656	2321016.305	84°56'25.96884"	20°58'38.37703"
19	H4	285896.253	2321303.959	84°56'25.82671"	20°58'47.72772"
20	I	285894.519	2321389.677	84°56'25.72850"	20°58'50.51345"
21	I1	285577.738	2321422.913	84°56'14.74920"	20°58'51.46117"
22	I2	285448.110	2321401.120	84°56'10.27223"	20°58'50.69839"
23	I3	285401.704	2321424.577	84°56'08.65555"	20°58'51.44144"
24	I4	285301.176	2321533.434	84°56'05.12741"	20°58'54.93789"
25	I5	285264.332	2321678.206	84°56'03.78744"	20°58'59.62855"
26	I6	285275.273	2321745.511	84°56'04.13605"	20°59'01.82104"
27	I7	285291.047	2321765.292	84°56'04.67319"	20°59'02.47068"
28	J	285285.048	2321843.451	84°56'04.43060"	20°59'05.00889"
29	J1	285189.679	2321782.374	84°56'01.15692"	20°59'02.98341"
30	J2	285120.374	2321698.063	84°55'58.79580"	20°59'00.21358"
31	J3	285059.074	2321665.174	84°55'56.68876"	20°58'59.11870"
32	J4	284786.684	2321651.731	84°55'47.26668"	20°58'58.56716"
33	J5	284687.511	2321666.236	84°55'43.82756"	20°58'58.99694"
34	K	284608.511	2321690.764	84°55'41.08218"	20°58'59.76101"
35	K1	284607.097	2321404.879	84°55'41.16143"	20°58'50.46714"
36	K2	284606.800	2321057.285	84°55'41.30697"	20°58'39.16776"
37	K3	284615.998	2320673.069	84°55'41.79753"	20°58'26.68190"
38	K4	284624.986	2320293.695	84°55'42.27860"	20°58'14.35335"
39	K5	284632.632	2320000.365	84°55'42.67464"	20°58'04.82126"
40	KB	284639.148	2319699.547	84°55'43.03489"	20°57'55.04528"
41	KC	284646.087	2319412.636	84°55'43.40352"	20°57'45.72156"
42	KD	284655.474	2319013.883	84°55'43.90691"	20°57'32.76319"
43	L	284662.587	2318652.039	84°55'44.31504"	20°57'21.00367"
44	L1	284301.550	2318533.669	84°55'31.87401"	20°57'17.00389"
45	L2	284034.887	2318462.622	84°55'22.67781"	20°57'14.58200"
46	M	283910.977	2318419.462	84°55'18.40920"	20°57'13.12674"
47	M1	283682.213	2318635.153	84°55'10.39574"	20°57'20.04164"
48	M2	283587.976	2318808.578	84°55'07.05658"	20°57'25.63935"
49	N	283556.770	2318899.089	84°55'05.93593"	20°57'28.56840"
50	N1	283449.334	2318898.093	84°55'02.21841"	20°57'28.49060"
51	N2	283354.589	2318876.896	84°54'58.94917"	20°57'27.76149"
52	N3	283197.404	2318871.086	84°54'53.51219"	20°57'27.50610"
53	N4	283059.556	2318893.067	84°54'48.73188"	20°57'28.16226"
54	N5	282999.970	2318888.029	84°54'46.67210"	20°57'27.97325"
55	N6	282874.408	2318837.398	84°54'42.34972"	20°57'26.27418"
56	N7	282806.799	2318844.062	84°54'40.00702"	20°57'26.46214"
57	N8	282689.041	2318827.575	84°54'35.93932"	20°57'25.87625"
58	O	282594.793	2318843.789	84°54'32.67044"	20°57'26.36331"
59	P	282637.509	2318793.676	84°54'34.17132"	20°57'24.75244"
60	Q	282590.251	2318734.101	84°54'32.56283"	20°57'22.79579"
61	R	282573.275	2318438.773	84°54'32.10882"	20°57'13.18843"
62	R1	282608.603	2318434.314	84°54'33.33337"	20°57'13.05848"
63	S	282650.288	2318433.978	84°54'34.77604"	20°57'13.06525"
64	S1	282645.424	2318219.242	84°54'34.70471"	20°57'06.08281"
65	T	282634.442	2317957.229	84°54'34.44302"	20°56'57.56096"
66	T1	282688.035	2317950.084	84°54'36.30079"	20°56'57.35143"
67	T2	282696.005	2317862.721	84°54'36.61603"	20°56'54.51492"
68	U	282720.800	2317779.131	84°54'37.51177"	20°56'51.80819"
69	U1	282839.252	2317776.720	84°54'41.61176"	20°56'51.78003"
70	U2	282834.270	2317724.770	84°54'41.46280"	20°56'50.08919"
71	U3	282934.525	2317734.510	84°54'44.92761"	20°56'50.44829"
72	V	282927.866	2317678.517	84°54'44.72244"	20°56'48.62531"
73	V1	282976.984	2317680.039	84°54'46.42142"	20°56'48.69559"
74	V2	283293.979	2317686.221	84°54'57.38787"	20°56'49.03070"
75	W	283655.574	2317687.202	84°55'09.90002"	20°56'49.21538"
76	W1	283802.451	2318091.988	84°55'14.80073"	20°57'02.43575"
77	W2	283650.610	2318095.383	84°55'09.54478"	20°57'02.48202"
78	X	283774.852	2318244.732	84°55'13.77704"	20°57'07.38935"
79	Y	284006.577	2318350.125	84°55'21.74862"	20°57'10.91312"

DGPS SURVEYED CO-ORDINATES OF GEOREFERENCED POINTS

Sl No.	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	GEO-1.	284050.743	2320625.479	84°55'22.25527"	20°58'24.89666"
2	GEO-2.	284636.623	2320356.732	84°55'42.65311"	20°58'16.40740"
3	GEO-3.	285099.702	2320056.222	84°55'58.81451"	20°58'06.83332"
4	GEO-4.	284657.555	2319535.785	84°55'43.74526"	20°57'49.72960"
5	GEO-5.	283587.436	2319281.458	84°55'06.82514"	20°57'41.01100"
6	GEO-6.	284028.961	2319942.267	84°55'21.80834"	20°58'02.67832"
7	GEO-7.	285555.402	2321114.977	84°56'14.11355"	20°58'41.44166"
8	GEO-8.	286809.819	2320502.308	84°56'57.80279"	20°58'22.04961"
9	GEO-9.	286280.706	2318861.738	84°56'40.21911"	20°57'28.49820"
10	GEO-10.	285585.829	2319176.293	84°56'16.09135"	20°57'38.43308"
11	GEO-11.	285975.334	2319563.761	84°56'29.33873"	20°57'51.19160"
12	GEO-12.	285427.479	2320396.718	84°56'10.00664"	20°58'18.03942"
13	GEO-13.	283709.215	2321810.263	84°55'09.90161"	20°59'03.26603"
14	GEO-14.	284705.754	2321083.365	84°55'44.72020"	20°58'40.05720"
15	GEO-15.	284436.672	2320787.256	84°55'35.53978"	20°58'30.31827"
16	GEO-16.	283703.456	2320697.959	84°55'10.20302"	20°58'27.10608"
17	GEO-17.	284437.078	2321960.490	84°55'35.02741"	20°59'08.45676"
18	GEO-18.	283947.331	2321419.077	84°55'18.31935"	20°58'50.65044"
19	GEO-19.	282006.882	2319485.806	84°54'12.03422"	20°57'46.98320"
20	GEO-20.	281910.807	2318895.183	84°54'08.97712"	20°57'27.74316"
21	GEO-21.	282012.614	2318165.577	84°54'12.83080"	20°57'04.06947"
22	GEO-22.	284119.040	2318213.963	84°55'25.70153"	20°57'06.53430"
23	GEO-23.	282557.350	2318703.343	84°54'31.43817"	20°57'21.78198"
24	GEO-24.	283695.438	2318654.677	84°55'10.84463"	20°57'20.68190"
25	GEO-25.	281962.021	2316435.433	84°54'11.86355"	20°56'07.80674"
26	GEO-26.	282686.386	2317864.638	84°54'36.28230"	20°56'54.57316"
27	GEO-27	283801.489	2317859.784	84°55'14.87174"	20°56'54.88709"
28	GEO-28.	281897.143	2317239.363	84°54'09.25463"	20°56'33.91223"
29	GEO-29.	282864.253	2317434.350	84°54'42.63132"	20°56'40.66126"
30	GEO-30.	283544.578	2317253.461	84°55'06.25414"	20°56'35.06890"
31	GEO-31.	284647.574	2323227.733	84°55'41.74490"	20°59'49.73971"
32	GEO-32.	284398.477	2322651.336	84°55'33.38113"	20°59'30.89779"
33	GEO-33.	284877.061	2321935.721	84°55'50.26766"	20°59'07.83687"
34	GEO-34.	285824.068	2322166.470	84°56'22.94366"	20°59'15.73537"
35	GEO-35.	286022.916	2322431.390	84°56'29.70849"	20°59'24.43045"
36	GEO-36.	285956.027	2322959.635	84°56'27.15765"	20°59'41.57425"
37	GEO-37	285362.582	2321547.233	84°56'07.24665"	20°58'55.41223"
38	GEO-38	285031.397	2321525.953	84°55'55.79309"	20°58'54.58139"
39	GEO-39	286118.974	2321228.119	84°56'33.56930"	20°58'45.35553"
40	GEO-40	285862.161	2321490.987	84°56'24.56336"	20°58'53.79322"
41	GEO-41	285594.782	2321400.201	84°56'15.34927"	20°58'50.73001"
42	GEO-42	286087.494	2321390.119	84°56'32.40759"	20°58'50.60856"
43	GEO-43	283561.492	2318909.042	84°55'06.09487"	20°57'28.89394"
44	GEO-44	284918.644	2319107.809	84°55'52.97243"	20°57'35.92706"
45	GEO-45	284574.751	2318812.436	84°55'41.20355"	20°57'26.18078"
46	GEO-46	284449.144	2318435.929	84°55'37.02541"	20°57'13.88878"
47	GEO-47	284070.944	2318588.809	84°55'23.86895"	20°57'18.69917"
48	GEO-48	285790.980	2318729.752	84°56'23.32996"	20°57'24.00308"

- DGPS Survey of boundary of UTKAL-E Coal Block of M/s. NALCO and forest areas proposed for diversion falling within UTKAL-E Coal Block has been carried out by M/s. NALCO through M/s. DCS. PVT. LTD., Bhubaneswar.
- DGPS Survey Co-ordinates are verified by ORSAC. Also maps showing forest areas proposed for diversion are verified with geo-referenced Cadastral sheets and Compared with Ortho-rectified Contoured Satellite image and found that maps are Correct at a Confidence level of 95%.
- Total Coal block area works out to 523.836 Ha. from the submitted DGPS Surveyed lease boundary map against the allotted area of 523.7325 Ha.
- Total forest areas proposed for diversion falls under Revenue forest category, in four Cadastral sheets of three Revenue villages and works out to 169.2201 Ha. from the submitted shp files against the allotted area of 169.1779 Ha. as mentioned in the submitted land Schedule.

S.K. PATEL
General Manager (Technical)
Project & Technical Department
National Aluminium Company, Ltd
Bhubaneswar-751061

Tahasildar Chhendipada

Forest Range Officer Chhendipada Range

ORISSA SPACE APPLICATIONS CENTRE * BHUBANESWAR * Map No: DT-63 Date: 16/09/2019 Auth. Signatory

(Ashok Mohapatra) Scientist 'SC'

LEGEND

- BOUNDARY PILLARS
- GEO-REFERENCED POINTS
- FOREST POINTS
- ML BOUNDARY
- VILLAGE BOUNDARY
- PLOT BOUNDARY
- FOREST LAND

DGPS Survey Conducted and Prepared by:-

DIGITAL CARTOGRAPHY AND SERVICES PVT. LTD.
Plot no-1015,Bhagabat Sandhan,
GGP Canal Road,Rasulgarh,Bhubaneswar-25

DIGITAL CARTOGRAPHY & SERVICES PVT. LTD. BHUBANESWAR

CO-ORDINATES OF FOREST BOUNDARY

POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING	POINT ID	EASTING	NORTHING
1	284635.5721	2321681.681	51	285095.0045	2321108.507	101	284860.79	2321141.418	151	284870.3154	2320858.664	201	284610.8888	2320886.491	251	285697.3296	2320554.935	301	285578.6068	2320235.613	351	285079.9129	2319630.78	401	284709.8707	2318898.58	451	285256.6645	2319144.366	501	284951.8925	2318656.858	551	285491.9765	2319490.689	601	285868.3276	2320190.703	651	285614.9482	2319866.095	701	285300.0986	2318910.45	751	285906.8673	2319439.879	801	285933.7448	2320037.97	851	285158.536	2318870.562	901	284807.2109	2319819.244	951	284731.6578	2320221.642
2	284769.9989	2321653.854	52	285088.9873	2321085.352	102	284839.5561	2321152.495	152	284864.5083	2320862.139	202	284627.0015	2320901.349	252	285703.5903	2320547.331	302	285574.8341	2320221.419	352	285082.0007	2319568.269	402	284708.5351	2318900.281	452	285255.3592	2319087.289	502	284975.5632	2318696.91	552	285456.8939	2319494.513	602	285811.8535	2320193.65	652	285623.2017	2319851.966	702	285297.348	2318881.617	752	285910.5393	2319451.473	802	285937.9905	2319925.978	852	285155.5657	2318940.379	902	284781.3455	2319828.582	952	284758.2787	2320281.951
3	284819.1255	2321614.409	53	285055.7828	2321061.003	103	284848.3122	2321165.283	153	284852.9135	2320863.533	203	284633.526	2320905.389	253	285709.938	2320546.198	303	285570.8096	2320211.551	353	285028.7571	2319572.091	403	284701.0136	2318901.121	453	285246.3534	2319068.957	503	285447.2419	2319498.323	603	285821.7667	2320251.521	653	285627.92	2319833.745	703	285245.8703	2318854.674	753	285903.1745	2319451.342	803	285913.4453	2319910.146	853	285127.2159	2318945.108	903	284775.5908	2319802.679	953	284752.1399	2320271.946
4	284855.1305	2321580.792	54	285036.3019	2321117.385	104	284861.7742	2321158.235	154	284836.0424	2320856.175	204	284649.3353	2320936.387	254	285566.1608	2320594.136	304	285566.1608	2320594.136	354	284705.2199	2319908.642	404	284705.2199	2319908.642	454	285435.8745	2319507.55	504	285564.5364	2318768.804	554	285435.8745	2319507.55	604	285841.1715	2320307.496	654	285614.9482	2319866.095	704	285300.2186	2318844.665	754	285893.4909	2319485.906	804	285945.2995	2319899.741	854	285124.3765	2318919.894	904	284792.7467	2319377.972	954	284746.4711	2320273.226
5	284906.2204	2321519.985	55	284980.6699	2321120.104	105	284874.5088	2321147.89	155	284821.8612	2320847.107	205	284628.3185	2320942.587	255	285714.5491	2320488.915	305	285562.6903	2320156.708	355	285008.3203	2319540.443	405	284710.4733	2318909.978	455	285207.6115	2319041.597	505	285051.3128	2318796.256	555	285586.4883	2319795.616	705	285149.3348	2318849.61	755	285882.3406	2319525.96	805	285938.96	2319900.52	855	285133.8534	2318919.148	905	284798.0065	2319795.347	955	284748.2018	2320264.327
6	284979.5789	2321456.001	56	284963.9463	2321112.536	106	284884.8671	2321114.748	156	284821.4155	2320848.592	206	284629.0183	2320948.044	256	285744.6528	2320489.06	306	285543.6002	2320161.444	356	285013.7789	2319538.97	406	284729.3373	2318911.64	456	285172.7208	2319045.815	506	285041.992	2318824.344	556	285427.0442	2319545.266	606	285833.0815	2320355.677	656	285542.337	2319786.908	706	285128.9534	2318845.973	756	285879.2463	2319554.145	806	285940.3236	2319742.784	856	285132.1072	2318891.494	906	284801.0894	2319799.42	956	284758.7082	2320260.971
7	284815.2881	2321434.169	57	284950.8233	2321117.065	107	284889.2671	2321108.668	157	284825.0812	2320854.364	207	284609.3064	2320952.59	257	285809.2283	2320488.315	307	285531.9085	2320162.872	357	285014.244	2319527.689	407	284745.3417	2318906.157	457	285172.9682	2319045.178	507	285769.4383	2320359.043	657	285507.0773	2319787.381	707	285110.9133	2318860.199	757	285900.8374	2319554.623	807	285929.4317	2319741.483	857	285171.255	2318889.748	907	284805.8491	2319809.85	957	284769.087	2320257.005
8	284714.919	2321422.668	58	284828.4916	2321040.991	108	284886.0696	2321105.461	158	284830.6751	2320519.908	208	284754.0903	2320726.03	258	285854.0182	2320488.344	308	285524.7965	2320164.081	358	285015.1572	2319521.41	408	284749.0073	2318914.508	458	285134.0708	2319024.255	508	285049.7899	2318864.466	558	285439.7909	2319485.492	608	285783.8804	2320359.079	658	285487.6463	2319783.021	708	285083.2978	2318867.763	758	285902.2115	2319571.879	808	285930.9482	2319713.404	858	285209.4142	2318872.843	908	284805.6883	2319815.006	958	284775.4191	2320276.647
9	284618.799	2321412.467	59	284800.9925	2321058.122	109	284647.8915	2321182.409	159	284836.8845	2320464.426	209	284770.6259	2320728.541	259	285849.2708	2320439.789	309	285518.5326	2320141.919	359	285001.1108	2319504.464	409	284769.3905	2318905.216	459	285126.9231	2319001.068	509	285075.5624	2318877.553	559	285445.6975	2319625.177	609	285721.9347	2320322.878	659	285476.5587	2319766.851	709	285059.9257	2318862.593	759	285919.0617	2319571.435	809	285938.7839	2319683.884	859	284293.2294	2318500.51	909	284727.1596	2320107.827	959	284783.8028	2320297.383
10	284616.0069	2321437.326	60	284774.0543	2321134.874	110	284648.3705	2321208.66	160	284846.0283	2320482.866	210	284786.0625	2320730.742	260	285849.2686	2320439.789	310	285523.7383	2320141.919	360	285000.9886	2319504.464	410	284729.4225	2318914.508	460	285134.1049	2319024.255	510	285044.0317	2318877.553	560	285446.4407	2319625.177	610	285721.9347	2320322.878	660	285504.3088	2319766.851	710	285083.2978	2318867.763	760	285919.0617	2319571.435	810	285938.7839	2319683.884	860	284716.4945	2320107.827	960	284765.283	2320301.804
11	284611.2291	2321440.864	61	284782.1045	2321096.789	111	284649.9761	2321146.274	161	284849.0156	2320868.155	211	284790.7139	2320700.024	261	285721.8437	2320442.876	311	285505.9052	2320096.381	361	284992.7305	2319505.842	411	284809.8386	2318950.552	461	285074.0228	2318990.475	511	285164.5799	2318885.365	561	285429.3043	2319664.464	611	285649.1147	2320246.779	661	285462.1032	2319722.582	711	285051.6817	2318822.318	761	285886.1045	2319625.345	811	285473.0878	2319642.146	861	284794.8415	2318532.7	911	284703.8164	2320070.597	961	284768.3123	2320275.75
12	284617.8231	2321486.232	62	284773.227	2321076.095	112	284606.8711	2321143.514	162	284857.2527	2320871.515	212	284785.8736	2320680.01	262	285642.6613	2320458.326	312	285504.4366	2320097.078	362	284968.1919	2319504.926	412	284826.8389	2318975.321	462	285055.2194	2318987.516	512	285208.5956	2318870.357	562	285427.6334	2319689.943	612	285651.2677	2320270.904	662	285448.6702	2319693.061	712	285064.7388	2318785.113	762	285863.3161	2319671.067	812	285479.2921	2319624.904	862	284234.4794	2318516.642	912	284693.3191	2320050.736
13	284633.2282	2321486.63	63	284765.1332	2321078.511	113	284606.9139	2321195.476	163	284857.6658	2320874.368	213	284758.2492	2320678.131	263	285599.8842	2320466.993	313	285495.9413	2320071.855	363	284921.1414	2319504.519	413	284833.3406	2318978.142	463	285238.6376	2318884.177	513	285451.0799	2319710.613	563	285652.9223	2320283.206	663	285441.9078	2319669.977	713	285063.7372	2318750.261	763	285864.3015	2319682.35	813	285479.036	2319526.868	863	284234.5373	2318496.195	913	284680.2404	2320139.914
14	284641.2992	2321582.843	64	284744.8441	2321109.229	114	284624.4698	2321191.167	164	284849.8849	2320882.128	214	284750.6935	2320717.892	264	285615.5044	2320503.884	314	285482.0506	2320044.636	364	284825.8289	2319502.306	414	284799.4811	2318969.557	464	285001.7277	2318957.328	514	285285.4723	2319801.855	565	285466.7476	2319771.368	615	285665.7882	2320344.933	665	285449.6448	2319610.152	715	284989.0926	2318672.2	765	285850.7367	2319706.715	815	285692.167	2319529.19	865	284052.9789	2318446.585	915	284668.8177	2320012.282
15	284608.1812	2321629.258	65	284711.0642	2321112.34	115	284606.8038	2321061.919	165	284848.4094	2320885.045	215	284616.9068	2320634.709	265	285601.8409	2320508.085	316	285474.5891	2320028.277	366	284810.1731	2319500.932	416	284763.6289	2318953.343	466	285001.4988	2318958.601	516	285281.0079	2319271.781	566	285603.3033	2320400.532	666	285440.4267	2319566.669	716	285083.4095	2318849.122	766	285852.7837	2319729.051	816	285719.3477	2319524.093	866	284029.3443	2318405.252	916	284661.6298	2319992.74	966
16	284656.1814	2321630.378	66	284687.404	2321130.285	116	284612.1596	2321065.644	166	284847.3319	2320898.761	216	284644.7321	2320628.13	266	285601.1249	2320501.386	317	285468.2566	2320036.074	367	284808.2724	2319475.051	418	284763.4289	2319011.193	468	284955.7744	2318950.98	518	285258.6671	2319804.309	568	285725.7377	2320429.797	668	285483.6091	2319770.907	718	285078.9726	2319411.398	768	285730.9076	2319411.398	868	283959.0496	2318411.538	918	284649.4984	2319993.178	968
17	284656.1497	2321644.082	67	284667.8703	2321132.937	117	284652.9608	2321050.702	167	284847.9117	2321001.205	217	284632.8772	2320577.93	267	285619.6433	2320572.81	319	285381.829	2319970.991	369	284786.9086	2319471.043	419	284764.2079	2319054.772	469	284956.1617	2318939.283	519	285298.6367	2318978.92	569	285580.8099	2319808.872	619	285781.7621	2320429.272	669	285460.7314	2319501.25	719	285941.7664	2318601.096	769	285904.8266	2319789.523	819	285727.1767	2319367.88	869	283947.7837	2318400.936	919	284633.2574	2319969.629	969
18	285036.3596	2321455.729	68	284677.1984	2321183.309	118	284677.4205	2321035.405	171	284843.3699	2320921.172	221	284619.952	2320506.177	271	285606.5804	2320556.485	321	285347.231	2319917.472	371	284764.0831	2319474.042	421	284865.9852	2319105.542	471	284853.2576	2318900.314	521	285302.5718	2319011.503	571	285616.0097	2319834.594	621	285848.3407	2320424.469	671	285532.9946	2319496.297	721	285874.8648	2318580.818	771	285919.8331	2319779.766	821	285657.7575	2319471.118	871	284777.3944	2319539.853	921	284634.5396	2319910.434	971
19	285198.6951	2321417.513	72	284697.3646	2321183.114	122	284677.4886	2321033.781	172	284841.6069	2320923.336	222	285906.669	2320752.181	272	285597.7757	2320535.737	322	285300.6142	2319925.314	372	284762.1337	2319478.665	422	284879.2353	2319106.057	472	284832.936	2318890.06	522	285331.1192	2319018.782	572	285610.8286	2319851.957	622	285898.6844	2320421.764	672	285363.9009	2319494.646	722	285831.6813	2318456.698	772	285920.1835	2319794.438	822	285653.6079	2319040.048	872	284879.8014	2319547.027	922	284635.4059	2319913.309	972
20	285306.5264	2321432.427	73	284725.2351	2321137.144	123	284679.0383	2321034.068	173	284810.4876	2320923.01	223	285904.649	2320752.181	273	285587.5888	2320535.737	323	285285.6177	2319926.373	373	284762.0107	2319478.665	423	284822.6215	2319105.057	473	284822.6215	2319105.057	523	285331.8914	2319017.705	573	285619.3697	2319834.383	623	285679.7821	2319471.118	673	284777.3944	2319539.853	923	284642.1497	2319913.309	973
21	285399.0854	2321383.476	74	284769.5788	2321167.76	124	284709.3279	2321015.474	174	284809.5777	2320917.831	224	285898.3796	2320731.905	274	285594.5434	2320509.266	324	285300.0601	2319927.293	374	284763.7192	2319499.229	424	284911.648	2319125.189	474	284826.7906	2318882.669	524	285416.99	2319036.254	574	285504.1769	2319866.706	624	285922.9986	2320321.435	674	285587.5198	2319470.462	724	285729.9484	2318463.129	774	285907.5247	2319846.797	824	285600.3755	2319124.96	874	284788.9456	2319569.639	924	284653.8409	2319932.538	974
22	285493.7854	2321405.465	75	284769.5277	2321185.465	125	284744.8583	2321028.082	175	284803.1559	2320922.347	225	285896.7902	2320724.064	275	285582.976	2320475.569	325	285257.5505	2319935.294	375	284750.0217	2319503.001	425	284956.8888	2319124.968	475	284817.0377	2318845.39	525	285443.3672	2319059.096	575	285505.029	2319910.208	625	285728.2922	2318529.463	675	285911.8894	2319851.362	725	285596.7923	2319055.596	875	284788.8795	2319572.07	925	284663.5363	2319948.672
23	285542.2163	2321416.406	76	284777.4112	2321185.662	126	284725.2881	2320999.293	176	284798.186	2320927.085	226	285895.9253	2320