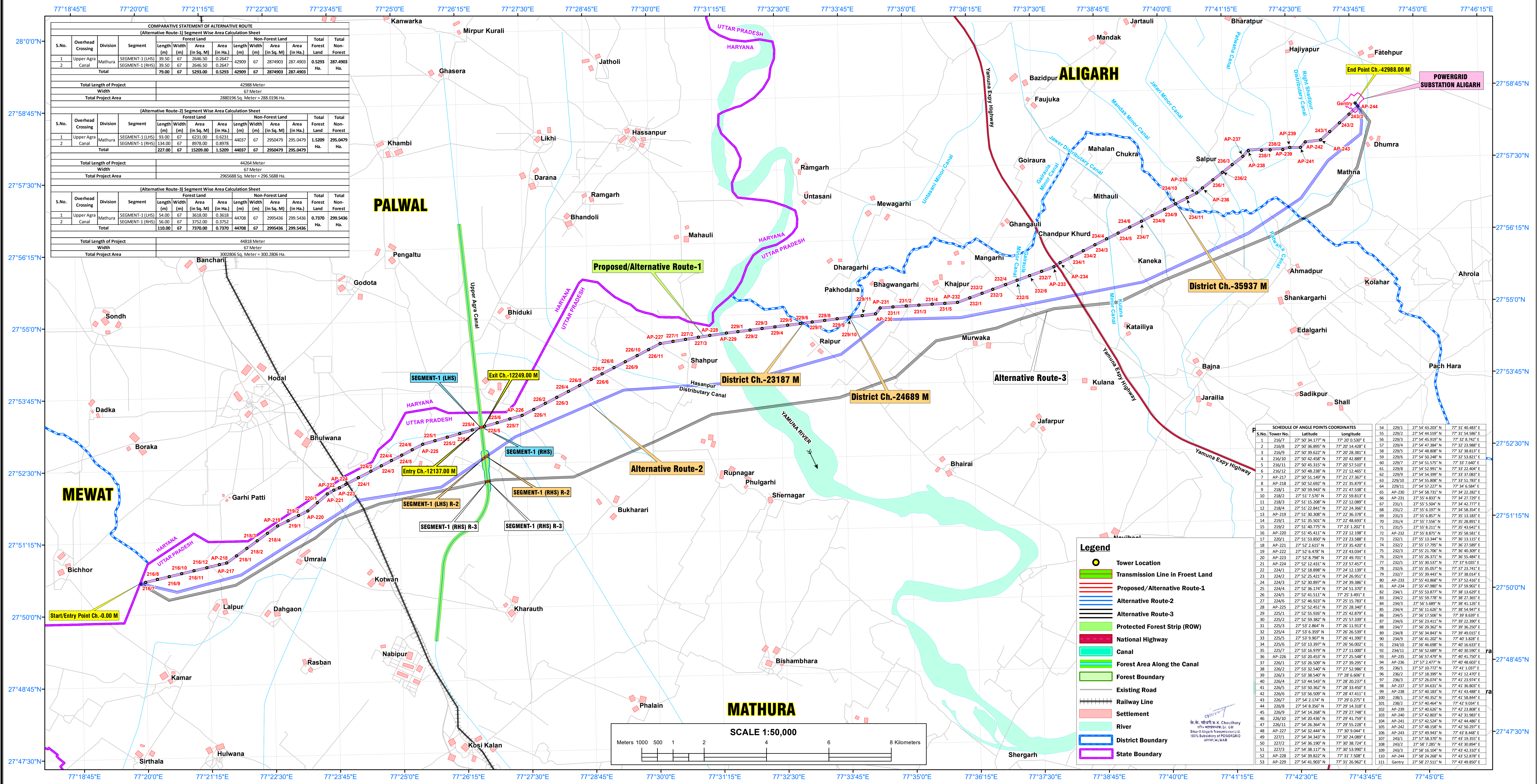
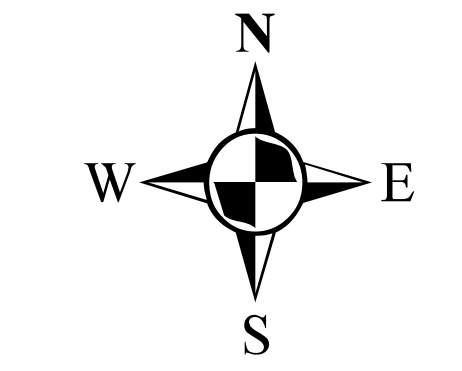


ALTERNATIVE ROUTE DIGITAL MAP SHOWING OF PROPOSED 765 KV D/C SIKAR-II - ALIGARH TRANSMISSION LINE ALIGNMENT, REQUIRED FOREST LAND AND TOWER LOCATION

Full Title of the Project : “Construction of 765 KV D/C Sikar-II -Aligarh Transmission line(Package-TW03) Under Transmission Scheme for evacuation of power from Solar Energy Zones in Rajasthan (8.1GW)under phase=II part-D, through tariff based competitive bidding (TBCB) Route in District Mathura & Aligarh (Utter Pradesh)”

Proposal No. : FP/UP/TRANS/146255/2021



COMPARATIVE STATEMENT OF ALTERNATIVE ROUTE (Alternative Route-1) Segment Wise Area Calculation Sheet													
S.No.	Overhead Crossing	Division	Segment	Length (m)	Width (m)	Area (In Sq. M)	Area (In Ha.)	Length (m)	Width (m)	Area (In Sq. M)	Area (In Ha.)	Total Forest Land	Total Non-Forest
1	Upper Agra Canal	Mathura	SEGMENT-1 (LHS)	39.50	67	2646.50	0.2647	42909	67	2874903	287.4903	0.5293	287.4903
2	Canal	Mathura	SEGMENT-1 (RHS)	39.50	67	2646.50	0.2647	42909	67	2874903	287.4903	0.5293	287.4903
Total				79.00	67	5293.00	0.5293	42909	67	2874903	287.4903	0.5293	287.4903
Total Length of Project				42988 Meter									
Total Project Area				2880196 Sq. Meter = 288.0196 Ha.									

(Alternative Route-2) Segment Wise Area Calculation Sheet													
S.No.	Overhead Crossing	Division	Segment	Length (m)	Width (m)	Area (In Sq. M)	Area (In Ha.)	Length (m)	Width (m)	Area (In Sq. M)	Area (In Ha.)	Total Forest Land	Total Non-Forest
1	Upper Agra Canal	Mathura	SEGMENT-1 (LHS)	93.00	67	6231.00	0.6231	44037	67	2950479	295.0479	1.5209	295.0479
2	Canal	Mathura	SEGMENT-1 (RHS)	134.00	67	8978.00	0.8978	44037	67	2950479	295.0479	1.5209	295.0479
Total				227.00	67	15209.00	1.5209	44037	67	2950479	295.0479	1.5209	295.0479
Total Length of Project				44264 Meter									
Total Project Area				2965688 Sq. Meter = 296.5688 Ha.									

(Alternative Route-3) Segment Wise Area Calculation Sheet													
S.No.	Overhead Crossing	Division	Segment	Length (m)	Width (m)	Area (In Sq. M)	Area (In Ha.)	Length (m)	Width (m)	Area (In Sq. M)	Area (In Ha.)	Total Forest Land	Total Non-Forest
1	Upper Agra Canal	Mathura	SEGMENT-1 (LHS)	56.00	67	3752.00	0.3752	44708	67	2995436	299.5436	0.7370	299.5436
2	Canal	Mathura	SEGMENT-1 (RHS)	110.00	67	7370.00	0.7370	44708	67	2995436	299.5436	0.7370	299.5436
Total				166.00	67	11122.00	1.1122	89416	67	5990872	599.0872	1.4740	599.0872
Total Length of Project				44818 Meter									
Total Project Area				3002806 Sq. Meter = 300.2806 Ha.									

SCHEDULE OF ANGLE POINTS COORDINATES													
S.No.	Tower No.	Latitude	Longitude	S.No.	Tower No.	Latitude	Longitude	S.No.	Tower No.	Latitude	Longitude	S.No.	Tower No.
1	216/7	27° 50' 34.177" N	77° 20' 0.530" E	56	229/3	27° 54' 45.919" N	77° 31' 54.586" E	91	AP-234	27° 55' 49.980" N	77° 37' 59.902" E	126	AP-238
2	216/8	27° 50' 36.895" N	77° 20' 14.428" E	57	229/4	27° 54' 47.384" N	77° 32' 23.989" E	92	AP-235	27° 55' 50.357" N	77° 38' 13.629" E	127	AP-239
3	216/9	27° 50' 39.622" N	77° 20' 28.380" E	58	229/5	27° 54' 48.808" N	77° 32' 38.813" E	93	AP-236	27° 55' 51.732" N	77° 38' 28.891" E	128	AP-240
4	216/10	27° 50' 42.458" N	77° 20' 42.889" E	59	229/6	27° 54' 50.248" N	77° 32' 53.821" E	94	AP-237	27° 55' 53.107" N	77° 38' 43.947" E	129	AP-241
5	216/11	27° 50' 45.315" N	77° 20' 57.510" E	60	229/7	27° 54' 51.575" N	77° 33' 7.640" E	95	AP-238	27° 55' 54.482" N	77° 38' 58.995" E	130	AP-242
6	216/12	27° 50' 48.238" N	77° 21' 12.465" E	61	229/8	27° 54' 52.901" N	77° 33' 22.404" E	96	AP-239	27° 55' 55.857" N	77° 39' 13.951" E	131	AP-243
7	AP-217	27° 50' 51.149" N	77° 21' 27.367" E	62	229/9	27° 54' 54.226" N	77° 33' 37.083" E	97	AP-240	27° 55' 57.182" N	77° 39' 28.998" E	132	AP-244
8	AP-218	27° 50' 52.602" N	77° 21' 35.879" E	63	229/10	27° 54' 55.550" N	77° 33' 51.783" E	98	AP-241	27° 55' 58.507" N	77° 39' 43.947" E	133	AP-245
9	218/1	27° 50' 59.943" N	77° 21' 47.538" E	64	AP-230	27° 54' 58.200" N	77° 34' 22.282" E	99	AP-242	27° 55' 59.832" N	77° 39' 58.995" E	134	AP-246
10	218/2	27° 51' 7.576" N	77° 21' 59.813" E	65	AP-231	27° 55' 4.833" N	77° 34' 27.729" E	100	AP-243	27° 56' 0.107" N	77° 40' 13.951" E	135	AP-247
11	218/3	27° 51' 15.208" N	77° 22' 12.089" E	66	AP-232	27° 55' 5.504" N	77° 34' 42.777" E	101	AP-244	27° 56' 6.432" N	77° 40' 28.998" E	136	AP-248
12	218/4	27° 51' 22.841" N	77° 22' 24.363" E	67	231/1	27° 55' 6.397" N	77° 34' 58.354" E	102	AP-245	27° 56' 7.757" N	77° 40' 43.947" E	137	AP-249
13	AP-219	27° 51' 30.308" N	77° 22' 36.378" E	68	231/2	27° 55' 6.657" N	77° 35' 13.189" E	103	AP-246	27° 56' 8.082" N	77° 40' 58.995" E	138	AP-250
14	219/1	27° 51' 35.501" N	77° 22' 48.693" E	69	231/3	27° 55' 7.556" N	77° 35' 28.891" E	104	AP-247	27° 56' 9.357" N	77° 41' 0.107" E	139	AP-251
15	219/2	27° 51' 40.775" N	77° 23' 1.202" E	70	231/4	27° 55' 8.211" N	77° 35' 43.642" E	105	AP-248	27° 56' 10.632" N	77° 41' 15.151" E	140	AP-252
16	AP-220	27° 51' 45.411" N	77° 23' 12.198" E	71	231/5	27° 55' 8.875" N	77° 35' 58.581" E	106	AP-249	27° 56' 11.907" N	77° 41' 30.357" E	141	AP-253
17	220/1	27° 51' 53.850" N	77° 23' 23.588" E	72	AP-232	27° 55' 13.344" N	77° 36' 13.115" E	107	AP-250	27° 56' 13.182" N	77° 41' 45.482" E	142	AP-254
18	AP-221	27° 52' 2.615" N	77° 23' 35.420" E	73	232/2	27° 55' 17.795" N	77° 36' 27.589" E	108	AP-251	27° 56' 14.457" N	77° 42' 0.107" E	143	AP-255
19	AP-222	27° 52' 6.478" N	77° 23' 43.034" E	74	232/3	27° 55' 21.706" N	77° 36' 40.309" E	109	AP-252	27° 56' 15.732" N	77° 42' 15.151" E	144	AP-256
20	AP-223	27° 52' 8.798" N	77° 23' 49.701" E	75	232/4	27° 55' 26.371" N	77° 36' 55.464" E	110	AP-253	27° 56' 16.907" N	77° 42' 30.357" E	145	AP-257
21	AP-224	27° 52' 12.431" N	77° 23' 57.457" E	76	232/5	27° 55' 30.537" N	77° 37' 9.035" E	111	AP-254	27° 56' 18.182" N	77° 42' 45.482" E	146	AP-258
22	224/1	27° 52' 18.898" N	77° 24' 12.139" E	77	232/6	27° 55' 35.057" N	77° 37' 23.741" E	112	AP-255	27° 56' 19.457" N	77° 43' 0.107" E	147	AP-259
23	224/2	27° 52' 25.421" N	77° 24' 26.951" E	78	232/7	27° 55' 39.443" N	77° 37' 38.014" E	113	AP-256	27° 56' 20.732" N	77° 43' 15.151" E	148	AP-260
24	224/3	27° 52' 30.897" N	77° 24' 39.386" E	79	AP-233	27° 55' 43.868" N	77° 37' 53.416" E	114	AP-257	27° 56' 22.007" N	77° 43' 30.357" E	149	AP-261
25	224/4	27° 52' 36.174" N	77° 24' 54.370" E	80	AP-234	27° 55' 48.293" N	77° 38' 8.354" E	115	AP-258	27° 56' 23.282" N	77° 43' 45.482" E	150	AP-262
26	224/5	27° 52' 41.511" N	77° 25' 1.491" E	81	AP-235	27° 55' 52.718" N	77° 38' 23.309" E	116	AP-259	27° 56' 24.557" N	77° 44' 0.107" E	151	AP-263
27	224/6	27° 52' 46.923" N	77° 25' 15.783" E	82	234/2	27° 55' 57.778" N	77° 38' 37.365" E	117	AP-260	27° 56' 25.832" N	77° 44' 15.151" E	152	AP-264
28	AP-225	27° 52' 52.451" N	77° 25' 28.340" E	83	234/3	27° 55' 58.087" N	77° 38' 41.136" E	118	AP-261	27° 56' 27.107" N	77° 44' 30.357" E	153	AP-265
29	225/1	27° 52' 55.526" N	77° 25' 42.879" E	84	234/4	27° 55' 58.396" N	77° 38' 44.905" E	119	AP-262	27° 56' 28.382" N	77° 44' 45.482" E	154	AP-266
30	225/2	27° 52' 58.382" N	77° 25' 57.339" E	85	234/5	27° 55' 58.705" N	77° 38' 48.674" E	120	AP-263	27° 56' 29.657" N	77° 45' 0.107" E	155	AP-267
31	225/3	27° 53' 2.864" N	77° 26' 11.913" E	86	234/6	27° 55' 59.014" N	77° 38' 52.443" E	121	AP-264	27° 56' 30.932" N	77° 45' 15.151" E	156	AP-268
32	225/4	27° 53' 6.359" N	77° 26' 26.539" E	87	234/7	27° 55' 59.323" N	77° 38' 56.212" E	122	AP-265	27° 56' 32.207" N	77° 45' 30.357" E	157	AP-269
33	225/5	27° 53' 9.907" N	77° 26' 41.390" E	88	234/8	27° 55' 59.632" N	77° 39' 0.107" E	123	AP-266	27° 56' 33.482" N	77° 45' 45.482" E	158	AP-270
34	225/6	27° 53' 13.397" N	77° 26' 56.002" E	89	234/9	27° 55' 59.941" N	77° 39' 15.151" E	124	AP-267	27° 56' 34.757" N	77° 45' 30.357" E	159	AP-271
35	225/7	27° 53' 16.897" N	77° 27' 11.000" E	90	234/10	27° 55' 59.941" N	77° 39' 15.151" E	125	AP-268	27° 56' 36.032" N	77° 45' 45.482" E	160	AP-272
36	AP-226	27° 53' 20.453" N	77° 27' 25.548" E	91	AP-235	27° 56' 0.250" N	77° 39' 30.357" E	126	AP-269	27° 56' 37.307" N	77° 45' 58.995" E	161	AP-273
37	226/1	27° 53' 26.509" N	77° 27' 39.295" E	92	AP-236	27° 56' 5.557" N	77° 39' 45.482" E	127	AP-270	27° 56' 38.582" N	77° 46' 0.107" E	162	AP-274
38	226/2	27° 53' 32.540" N	77° 27' 53.295" E	93	AP-237	27° 56' 10.812" N	77° 39' 60.357" E	128	AP-271	27° 56' 39.857" N	77° 46' 15.151" E	163	AP-275
39	226/3	27° 53' 38.540" N	77° 28' 6.606" E	94	AP-238	27° 56' 16.067" N	77° 39' 15.151" E	129	AP-272	27° 56' 40.132" N	77° 46' 30.357" E	164	AP-276
40	226/4	27° 53' 44.543" N	77° 28' 20.237" E	95	AP-239	27° 56' 21.322" N	77° 39' 30.357" E	130	AP-273	27° 56' 41.407" N	77° 46' 45.482" E	165	AP-277
41	226/5	27° 53' 50.362" N	77° 28' 33.450" E	96	AP-240	27° 56' 26.577" N	77° 39' 45.482" E	131	AP-274	27° 56' 42.682" N	77° 47' 0.107" E	166	AP-278
42	226/6	27° 53' 56.509" N	77° 28' 47.411" E	97	AP-241	27° 56' 31.832" N	77° 39' 60.357" E	132	AP-275	27° 56' 43.957" N	77° 47' 15.151" E	167	AP-279
43	226/7	27° 54' 2.174" N	77° 29' 0.275" E	98	AP-242	27° 56' 36.987" N	77° 39' 75.482" E	133	AP-276	27° 56' 45.232" N	77° 47' 30.357" E	168	AP-280
44	226/8	27° 54' 8.356" N	77° 29' 14.318" E	99	AP-243	27° 56' 42.237" N	77° 39' 90.357" E	134	AP-277	27° 56' 46.507" N	77° 47' 45.482" E	169	AP-281
45	226/9	27° 54' 14.268" N	77° 29' 17.745" E	100	AP-244	27° 56' 47.487" N	77° 39' 105.357" E	135	AP-278	27° 56' 47.782" N	77° 47' 58.995" E	170	AP-282
46	226/10	27° 54' 20.438" N	77° 29' 21.478" E	101	AP-245	27° 56' 52.737" N	77° 39' 120.357" E	136	AP-279	27° 56' 49.057" N	77° 48' 13.951" E	171	AP-283
47	226/11	27° 54' 26.364" N	77° 29' 25.528" E	102	AP-246	27° 56' 57.987" N	77° 39' 125.357" E	137	AP-280	27° 56' 50.332" N	77° 48' 28.995" E	172	AP-284
48	AP-227	27° 54' 32.509" N	77° 29' 30.449" E	103	AP-247	27° 57' 3.237" N	77° 39' 130.357" E	138	AP-281	27° 56' 51.607" N	77° 48' 43.947" E	173	AP-285
49	227/1	27° 54' 34.363" N	77° 30' 0.228" E	104	AP-248	27° 57' 8.487" N	77° 39' 135.357" E	139	AP-282	27° 56' 52.882" N	77° 48' 58.995" E	174	AP-286
50	227/2	27° 54' 36.197" N	77° 30' 37.924" E	105	243/2	27° 58' 7.265" N	77° 43' 30.894" E	140	243/3	27° 58' 12.614" N	77° 43' 42.310" E	175	AP-287
51	227/3	27° 54' 38.111" N	77° 30' 59.900" E	106	243/4	27° 58' 16.204" N	77° 43' 54.870" E	141	243/5	27° 58' 21.511" N	77° 43' 59.856" E	176	AP-288
52	AP-228	27° 54' 39.822" N	77° 31' 7.598" E	107	243/6	27° 58' 24.268" N	77° 44' 9.870" E	142	243/7	27° 58' 29.567" N	77° 44' 24.846" E	177	AP-289
53	AP-229	27° 54' 41.905" N	77° 31' 36.502" E	108	243/8	27° 58' 29.567" N	77° 44' 39.846" E	143	243/9	27° 58' 34.872" N	77° 44' 54.846" E	178	AP-290