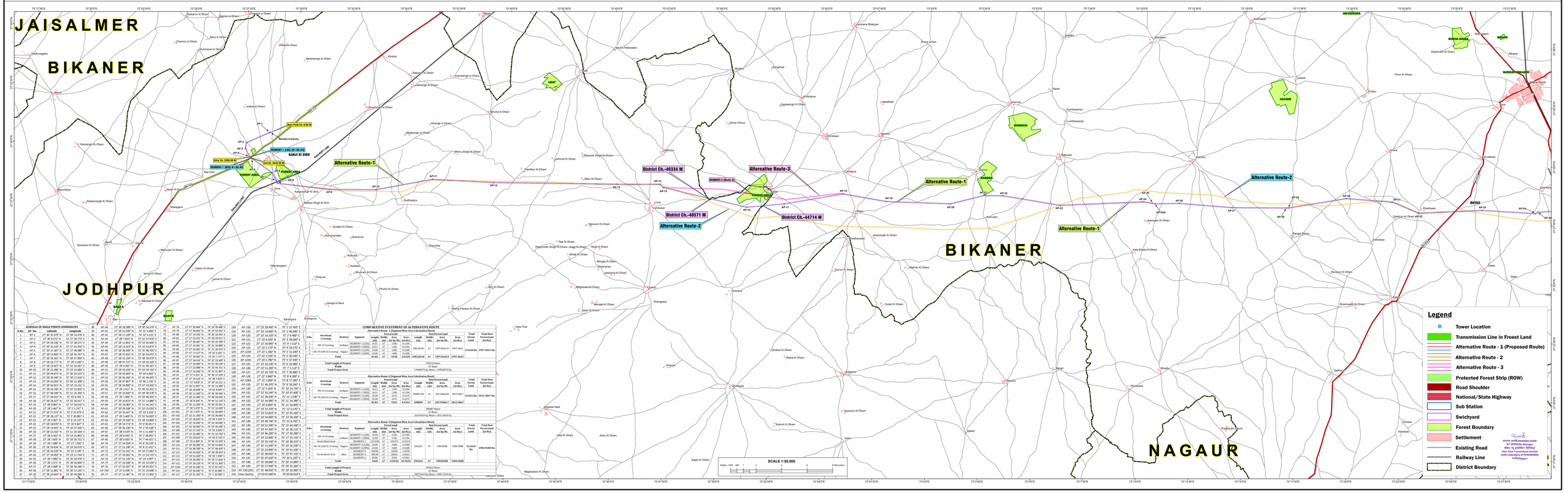
ALTERNATIVE DIGITAL ROUTE MAP SHOWING WITH PROPOSED 765 KV D/C BHADLA-II TO SIKAR-II TRANSMISSION LINE ALIGNEMNT, REQUIRED FOREST LAND AND TOWER LOCATION

Full Title of the Project : "Construction of 765 KV D/C Bhadla-II to Sikar-II Transmission line, Total Route length 298.210 km District- Jodhpur, Bikaner, Nagaur, Churu & Sikar (Rajasthan)"

Proposal No. : FP/RJ/TRANS/142545/2021 Applied Area : 0.5428 Ha.

PART-1



SCHEDULE OF ANGLE POINTS COORDINATES

S.No.	AP. No.	Latitude	Longitude
1	AP-1	27° 30' 35.370" N	72° 28' 35.470" E
2	AP-2	27° 30' 9.572" N	72° 27' 30.770" E
3	AP-3	27° 29' 54.190" N	72° 27' 18.370" E
4	AP-4	27° 29' 32.330" N	72° 27' 41.910" E
5	AP-5	27° 29' 17.587" N	72° 27' 56.980" E
6	AP-6	27° 28' 53.895" N	72° 28' 45.767" E
7	AP-7	27° 28' 36.000" N	72° 28' 57.000" E
8	AP-8	27° 28' 26.172" N	72° 28' 51.580" E
9	AP-9	27° 28' 13.027" N	72° 55' 31.407" E
10	AP-10	27° 28' 15.496" N	72° 28' 43.684" E
11	AP-11	27° 28' 44.872" N	72° 26' 24.223" E
12	AP-12	27° 28' 59.440" N	72° 26' 17.418" E
13	AP-13	27° 28' 41.024" N	72° 45' 11.338" E
14	AP-14	27° 28' 42.651" N	72° 47' 33.151" E
15	AP-15	27° 28' 34.700" N	72° 47' 21.832" E
16	AP-16	27° 27' 48.180" N	72° 51' 33.350" E
17	AP-17	27° 27' 54.440" N	72° 53' 6.705" E
18	AP-18	27° 28' 11.000" N	72° 54' 18.000" E
19	AP-19	27° 28' 8.867" N	72° 57' 58.010" E
20	AP-20	27° 28' 5.467" N	73° 1' 1.747" E
21	AP-21	27° 28' 37.970" N	73° 2' 37.470" E
22	AP-22	27° 28' 28.137" N	73° 3' 30.991" E
23	AP-23	27° 28' 5.967" N	73° 6' 15.137" E
24	AP-24	27° 28' 18.076" N	73° 10' 9.847" E
25	AP-25	27° 28' 14.593" N	73° 10' 37.000" E
26	AP-26	27° 28' 15.042" N	73° 11' 34.147" E
27	AP-27	27° 28' 15.000" N	73° 12' 31.000" E
28	AP-28	27° 28' 7.800" N	73° 16' 70.757" E
29	AP-29	27° 28' 1.880" N	73° 17' 7.032" E
30	AP-30	27° 28' 33.634" N	73° 19' 50.970" E
31	AP-32	27° 28' 26.229" N	73° 22' 2.740" E
32	AP-33	27° 28' 19.000" N	73° 22' 21.744" E
33	AP-35	27° 28' 7.880" N	73° 26' 19.470" E
34	AP-36	27° 28' 1.573" N	73° 28' 50.830" E
35	AP-37	27° 28' 5.040" N	73° 28' 58.590" E
36	AP-38	27° 28' 30.010" N	73° 28' 57.000" E
37	AP-39	27° 28' 14.602" N	73° 30' 41.000" E
38	AP-40	27° 28' 10.500" N	73° 31' 16.074" E
39	AP-41	27° 28' 21.290" N	73° 31' 3.890" E
40	AP-42	27° 28' 17.110" N	73° 32' 4.150" E
41	AP-43	27° 28' 7.610" N	73° 32' 37.970" E
42	AP-45	27° 28' 12.410" N	73° 33' 53.874" E
43	AP-46	27° 28' 17.420" N	73° 34' 38.980" E
44	AP-47	27° 28' 37.650" N	73° 36' 43.970" E
45	AP-48	27° 28' 36.157" N	73° 37' 29.000" E
46	AP-49	27° 28' 26.000" N	73° 38' 45.000" E
47	AP-50	27° 28' 4.945" N	73° 45' 45.167" E
48	AP-51	27° 28' 45.030" N	73° 46' 6.682" E
49	AP-52	27° 28' 45.490" N	73° 46' 5.682" E
50	AP-53	27° 28' 45.290" N	73° 46' 48.000" E
51	AP-54	27° 28' 47.807" N	73° 46' 2.730" E
52	AP-55	27° 28' 38.840" N	73° 47' 37.550" E
53	AP-56	27° 28' 2.417" N	73° 49' 14.750" E
54	AP-57	27° 28' 30.000" N	73° 49' 10.000" E
55	AP-58	27° 28' 7.990" N	73° 50' 46.200" E
56	AP-59	27° 28' 10.000" N	73° 51' 46.000" E
57	AP-60	27° 28' 10.000" N	73° 52' 46.000" E
58	AP-61	27° 28' 26.330" N	73° 52' 25.030" E
59	AP-62	27° 28' 30.047" N	73° 53' 9.320" E
60	AP-63	27° 28' 5.490" N	73° 55' 54.000" E
61	AP-64	27° 28' 19.000" N	73° 54' 4.000" E
62	AP-65	27° 28' 34.772" N	74° 0' 30.451" E
63	AP-66	27° 28' 28.280" N	74° 2' 43.190" E
64	AP-67	27° 28' 9.538" N	74° 5' 11.400" E
65	AP-68	27° 28' 9.000" N	74° 6' 11.000" E
66	AP-69	27° 28' 3.850" N	74° 7' 44.421" E
67	AP-70	27° 27' 54.590" N	74° 8' 20.130" E
68	AP-71	27° 27' 51.190" N	74° 8' 21.942" E
69	AP-72	27° 27' 51.231" N	74° 10' 27.062" E
70	AP-73	27° 27' 54.365" N	74° 11' 53.710" E
71	AP-74	27° 27' 51.595" N	74° 14' 4.095" E
72	AP-75	27° 27' 54.161" N	74° 16' 33.567" E
73	AP-76	27° 27' 32.207" N	74° 18' 45.921" E
74	AP-77	27° 27' 6.449" N	74° 21' 24.690" E
75	AP-77	27° 27' 11.487" N	74° 22' 17.081" E
76	AP-78	27° 27' 39.490" N	74° 24' 49.490" E
77	AP-79	27° 27' 36.842" N	74° 24' 55.032" E
78	AP-80	27° 27' 33.537" N	74° 24' 59.420" E
79	AP-81	27° 27' 23.335" N	74° 29' 29.511" E
80	AP-82	27° 27' 28.383" N	74° 29' 35.190" E
81	AP-83	27° 27' 14.981" N	74° 31' 18.880" E
82	AP-84	27° 27' 13.000" N	74° 31' 19.000" E
83	AP-85	27° 27' 11.212" N	74° 31' 21.181" E
84	AP-86	27° 27' 10.842" N	74° 31' 7.757" E
85	AP-87	27° 27' 18.264" N	74° 32' 22.180" E
86	AP-88	27° 27' 19.980" N	74° 32' 30.229" E
87	AP-89	27° 27' 19.960" N	74° 32' 31.987" E
88	AP-90	27° 27' 24.000" N	74° 32' 33.000" E
89	AP-91	27° 27' 24.523" N	74° 38' 1.832" E
90	AP-92	27° 27' 4.937" N	74° 38' 16.311" E
91	AP-93	27° 26' 51.897" N	74° 42' 14.394" E
92	AP-94	27° 26' 51.000" N	74° 42' 5.665" E
93	AP-95	27° 26' 11.500" N	74° 45' 29.450" E
94	AP-96	27° 26' 12.090" N	74° 48' 50.140" E
95	AP-97	27° 26' 12.000" N	74° 48' 50.000" E
96	AP-98	27° 26' 12.690" N	74° 50' 20.961" E
97	AP-99	27° 26' 12.000" N	74° 51' 15.490" E
98	AP-100	27° 25' 7.570" N	74° 51' 15.490" E
99	AP-101	27° 25' 7.570" N	74° 51' 30.090" E
100	AP-102	27° 25' 21.700" N	74° 51' 36.660" E
101	AP-103	27° 25' 20.810" N	74° 54' 4.420" E
102	AP-104	27° 25' 20.000" N	74° 54' 40.640" E
103	AP-105	27° 25' 19.000" N	74° 55' 40.000" E
104	AP-106	27° 25' 27.550" N	74° 55' 8.000" E
105	AP-107	27° 25' 25.080" N	74° 55' 31.750" E
106	AP-108	27° 25' 25.000" N	74° 56' 0.710" E
107	AP-109	27° 25' 19.000" N	74° 56' 40.000" E
108	AP-110	27° 25' 39.290" N	74° 58' 24.000" E
109	AP-111	27° 25' 39.000" N	74° 58' 24.000" E
110	AP-112	27° 25' 18.420" N	74° 58' 28.410" E
111	AP-113	27° 25' 15.500" N	74° 58' 28.000" E
112	AP-114	27° 25' 10.000" N	74° 59' 1.000" E
113	AP-115	27° 25' 15.000" N	75° 0' 19.730" E
114	AP-116	27° 25' 15.000" N	75° 0' 21.960" E
115	AP-117	27° 25' 15.500" N	75° 1' 20.000" E
116	AP-118	27° 23' 28.490" N	75° 1' 33.950" E
117	AP-119	27° 23' 23.060" N	75° 1' 46.600" E
118	AP-120	27° 23' 14.220" N	75° 1' 9.400" E
119	AP-121	27° 23' 6.430" N	75° 0' 38.060" E
120	AP-122	27° 22' 59.990" N	75° 0' 7.510" E
121	AP-123	27° 23' 2.170" N	75° 0' 33.570" E
122	AP-123A	27° 23' 1.340" N	75° 0' 55.340" E
123	AP-124	27° 23' 1.550" N	75° 0' 30.140" E
124	AP-124A	27° 23' 2.780" N	75° 0' 37.930" E
125	AP-125	27° 22' 10.130" N	75° 0' 29.080" E
126	AP-126	27° 22' 15.290" N	75° 7' 2.110" E
127	AP-127	27° 22' 34.720" N	75° 7' 39.890" E
128	AP-128	27° 22' 3.860" N	75° 8' 8.500" E
129	AP-128A	27° 22' 1.690" N	75° 8' 17.590" E
130	AP-129	27° 21' 46.370" N	75° 8' 30.260" E
131	AP-130	27° 21' 3.350" N	75° 8' 54.750" E
132	AP-131	27° 21' 36.000" N	75° 9' 13.000" E
133	AP-132	27° 21' 36.400" N	75° 11' 5.000" E
134	AP-133	27° 21' 54.990" N	75° 11' 13.000" E
135	AP-134	27° 21' 8.850" N	75° 11' 50.840" E
136	AP-135	27° 21' 10.370" N	75° 12' 6.170" E
137	AP-136	27° 21' 10.810" N	75° 12' 45.160" E
138	AP-137	27° 24' 54.000" N	75° 11' 58.340" E
139	AP-138	27° 24' 46.740" N	75° 11' 3.700" E
140	AP-139	27° 24' 51.590" N	75° 10' 44.430" E
141	AP-140	27° 24' 47.000" N	75° 10' 38.110" E
142	AP-141	27° 24' 46.200" N	75° 11' 30.280" E
143	AP-142	27° 24' 53.600" N	75° 11' 55.150" E
144	AP-143	27° 24' 59.740" N	75° 18' 38.310" E
145	AP-144	27° 25' 11.540" N	75° 19' 19.270" E
146	AP-145	27° 25' 23.990" N	75° 19' 41.100" E
147	AP-146	27° 25' 36.650" N	75° 19' 47.150" E
148	AP-147	27° 25' 43.650" N	75° 20' 5.220" E
149	AP-148	27° 25' 56.680" N	75° 18' 50.300" E
150	AP-149	27° 25' 57.940" N	75° 20' 25.940" E
151	AP-150	27° 25' 49.950" N	75° 20' 31.960" E
152	AP-151	27° 25' 57.940" N	75° 20' 25.940" E
153	Sika-01(ER)	27° 25' 49.950" N	75° 20' 31.960" E
154	Sikar-Gantry	27° 25' 47.000" N	75° 20' 34.010" E

COMPARATIVE STATEMENT OF ALTERNATIVE ROUTE

Alternative Route- 1 (Segment Wise Area Calculation Sheet)

S.No.	Overhead Crossing	District	Segment	Forest Land Length (m)	Forest Land Width (m)	Forest Land Area (In Ha. M)	Non-Forest Land Length (m)	Non-Forest Land Width (m)	Non-Forest Land Area (In Ha.)	Total Forest Land	Total Non-Forest Land (In Ha.)
1	NH-15 Crossing	Jodhpur	SEGMENT-1 (245).	26.51	67	110b	3.1196				
			SEGMENT-1 (390).	26.51	67	110b	3.1196				
2	SH-70 (Old S) Crossing	Nagaur	SEGMENT-2 (125).	25.00	67	1675	0.1675	2981267	67	1997444.52	1997.4441 Ha.
			SEGMENT-2 (295).	25.00	67	1675	0.1675				
3	Forest Block Area	Sikar	SEGMENT-3	2214.66	67	1553.73	15.5373				
			SEGMENT-4	2214.66	67	1553.73	15.5373				
4	SH-70 (Old S) Crossing	Nagaur	SEGMENT-5 (3850).	39.00	67	2600.5	2.6005	296264	67	19694.888	1984.9688 Ha.
			SEGMENT-5	490.00	67	32830	1.2950				
			SEGMENT-6	395.00	67	26465	2.6965				
			SEGMENT-6	89.00	67	5963	0.5963				
	Total			5648	67	215656	21.5656	296264	67	19694.888	1984.9688

Total Length of Project Width	299212 Meter 67 Meter
Total Project Area	20070424.5 Sq. Meter = 2007.5424 Ha.

Alternative Route- 2 (Segment Wise Area Calculation Sheet)

S.No.	Overhead Crossing	District	Segment	Forest Land Length (m)	Forest Land Width (m)	Forest Land Area (In Ha. M)	Non-Forest Land Length (m)	Non-Forest Land Width (m)	Non-Forest Land Area (In Ha.)	Total Forest Land	Total Non-Forest Land (In Ha.)
1	NH-15 Crossing	Jodhpur	SEGMENT-1 (125).	26.51	67	110b	3.1196				
			SEGMENT-1 (245).	26.51	67	110b	3.1196				
2	SH-70 (Old S) Crossing	Nagaur	SEGMENT-2 (125).	25.00	67	1675	0.1675	3008038	67	20153844.66	2015.3867 Ha.
			SEGMENT-2 (295).	25.00	67	1675	0.1675				
	Total			83.02	67	5562	0.5562	300804	67	20153844.7	2015.3867

Total Length of Project Width	300887 Meter 67 Meter
Total Project Area	20159429 Sq. Meter = 2015.9429 Ha.

Alternative Route- 3 (Segment Wise Area Calculation Sheet)

S.No.	Overhead Crossing	District	Segment	Forest Land Length (m)	Forest Land Width (m)	Forest Land Area (In Ha. M)	Non-Forest Land Length (m)	Non-Forest Land Width (m)	Non-Forest Land Area (In Ha.)	Total Forest Land	Total Non-Forest Land (In Ha.)
1	NH-15 Crossing	Jodhpur	SEGMENT-1 (125).	26.51	67	110b	3.1196				
			SEGMENT-1 (245).	26.51	67	110b	3.1196				
2	Forest Block Area	Sikar	SEGMENT-2	2214.66	67	1553.73	15.5373				
			SEGMENT-3	2214.66	67	1553.73	15.5373				
3	SH-70 (Old S) Crossing	Nagaur	SEGMENT-4 (3850).	39.00	67	2600.5	2.6005	296264	67	19694.888	1984.9688
			SEGMENT-4	490.00	67	32830	1.2950				
			SEGMENT-5	395.00	67	26465	2.6965				
			SEGMENT-5	89.00	67	5963	0.5963				
	Total			5648	67	215656	21.5656	296264	67	19694.888	1984.9688

Total Length of Project Width	299212 Meter 67 Meter
Total Project Area	20070424 Sq. Meter = 2007.5424 Ha.