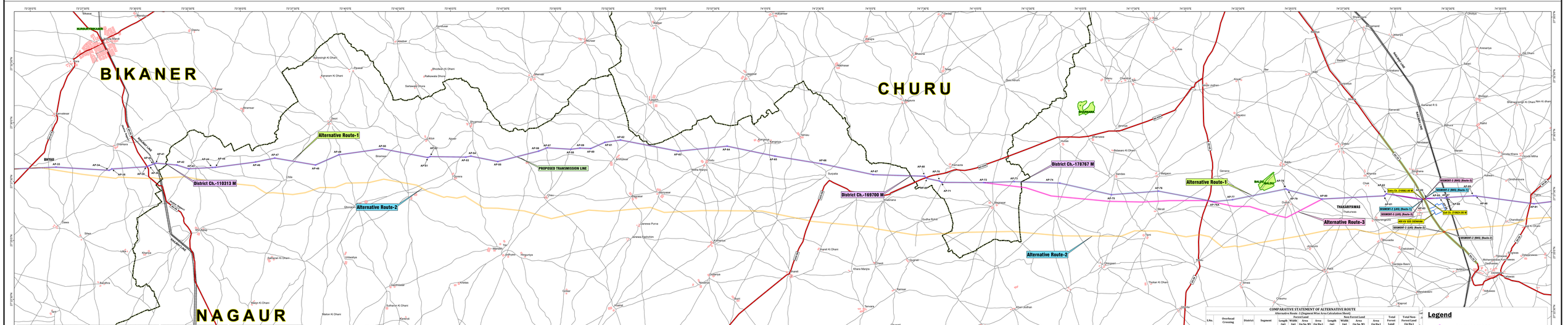
ALTERNATIVE DIGITAL ROUTE MAP SHOWING WITH PROPOSED 765 KV D/C BHADLA-II TO SIKAR-II TRANSMISSION LINE ALIGNEMNT, REQUIRED FOREST LAND AND TOWER LOCATION

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-2



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' 9.532" N	72° 27' 30.770" E
3	AP-3	27° 29' 54.230" N	72° 27' 28.372" E
4	AP-4	27° 29' 32.320" N	72° 27' 41.910" E
5	AP-5	27° 29' 21.007" N	72° 27' 46.980" E
6	AP-6	27° 28' 53.895" N	72° 28' 45.767" E
7	AP-7	27° 28' 36.000" N	72° 28' 52.000" E
8	AP-8	27° 28' 26.775" N	72° 28' 1.380" E
9	AP-9	27° 28' 13.507" N	72° 31' 31.407" E
10	AP-10	27° 28' 15.496" N	72° 31' 42.684" E
11	AP-11	27° 28' 44.872" N	72° 30' 24.223" E
12	AP-12	27° 28' 39.440" N	72° 30' 17.458" E
13	AP-13	27° 28' 41.026" N	72° 45' 11.330" E
14	AP-14	27° 28' 50.692" N	72° 47' 33.132" E
15	AP-15	27° 28' 34.708" N	72° 47' 21.832" E
16	AP-16	27° 28' 19.000" N	72° 47' 10.000" E
17	AP-17	27° 27' 56.445" N	72° 51' 6.370" E
18	AP-18	27° 27' 26.325" N	72° 55' 56.155" E
19	AP-19	27° 20' 8.807" N	72° 57' 58.910" E
20	AP-20	27° 18' 5.467" N	72° 1' 1.747" E
21	AP-21	27° 18' 23.932" N	72° 2' 31.472" E
22	AP-22	27° 18' 28.132" N	72° 3' 30.991" E
23	AP-23	27° 18' 5.967" N	72° 5' 15.137" E
24	AP-24	27° 18' 18.076" N	72° 10' 9.847" E
25	AP-25	27° 18' 14.593" N	72° 10' 37.050" E
26	AP-26	27° 18' 15.342" N	72° 11' 34.344" E
27	AP-27	27° 18' 15.000" N	72° 12' 31.000" E
28	AP-28	27° 18' 7.692" N	72° 16' 50.757" E
29	AP-29	27° 18' 1.880" N	72° 17' 7.032" E
30	AP-30	27° 18' 33.634" N	72° 18' 50.970" E
31	AP-32	27° 28' 26.229" N	72° 22' 1.740" E
32	AP-33	27° 27' 19.000" N	72° 22' 31.744" E
33	AP-35	27° 28' 7.890" N	72° 26' 10.470" E
34	AP-36	27° 28' 1.575" N	72° 26' 20.832" E
35	AP-37	27° 28' 5.590" N	72° 28' 58.590" E
36	AP-38	27° 28' 11.085" N	72° 30' 24.000" E
37	AP-39	27° 28' 14.603" N	72° 30' 44.390" E
38	AP-40	27° 28' 18.580" N	72° 30' 50.104" E
39	AP-41	27° 28' 21.290" N	72° 31' 1.800" E
40	AP-42	27° 28' 17.530" N	72° 31' 4.105" E
41	AP-43	27° 28' 7.910" N	72° 31' 19.590" E
42	AP-44	27° 28' 11.852" N	72° 31' 45.800" E
43	AP-45	27° 28' 12.433" N	72° 31' 53.874" E
44	AP-46	27° 28' 28.340" N	72° 35' 48.700" E
45	AP-47	27° 28' 37.410" N	72° 35' 40.610" E
46	AP-48	27° 28' 41.000" N	72° 35' 36.000" E
47	AP-49	27° 28' 45.530" N	72° 35' 45.520" E
48	AP-50	27° 28' 4.345" N	72° 41' 49.167" E
49	AP-51	27° 28' 43.330" N	72° 43' 34.740" E
50	AP-52	27° 28' 45.693" N	72° 44' 5.682" E
51	AP-53	27° 28' 45.960" N	72° 45' 9.692" E
52	AP-54	27° 28' 47.807" N	72° 46' 2.735" E
53	AP-55	27° 28' 38.842" N	72° 47' 33.555" E
54	AP-56	27° 29' 2.417" N	72° 49' 16.202" E
55	AP-57	27° 28' 17.000" N	72° 49' 18.000" E
56	AP-58	27° 28' 7.190" N	72° 49' 28.000" E
57	AP-59	27° 28' 19.814" N	72° 51' 13.880" E
58	AP-60	27° 28' 10.087" N	72° 52' 44.247" E
59	AP-61	27° 28' 26.338" N	72° 52' 25.030" E
60	AP-62	27° 28' 32.447" N	72° 53' 9.320" E
61	AP-63	27° 28' 5.400" N	72° 55' 54.000" E
62	AP-64	27° 28' 19.187" N	72° 58' 13.800" E
63	AP-65	27° 28' 34.772" N	74° 0' 30.412" E
64	AP-66	27° 28' 36.330" N	74° 0' 33.000" E
65	AP-67	27° 28' 5.538" N	74° 1' 31.400" E
66	AP-68	27° 28' 5.000" N	74° 1' 31.000" E
67	AP-69	27° 28' 3.930" N	74° 2' 46.422" E
68	AP-70	27° 24' 59.58" N	74° 8' 20.130" E
69	AP-71	27° 23' 53.247" N	74° 8' 35.420" E
70	AP-72	27° 21' 55.171" N	74° 10' 27.062" E
71	AP-73	27° 21' 34.867" N	74° 10' 48.000" E
72	AP-74	27° 21' 51.100" N	74° 14' 45.007" E
73	AP-75	27° 21' 23.340" N	74° 18' 31.550" E
74	AP-76	27° 21' 32.207" N	74° 18' 45.921" E
75	AP-77	27° 21' 6.440" N	74° 21' 24.000" E
76	AP-78	27° 21' 39.842" N	74° 24' 50.002" E
77	AP-79	27° 21' 36.842" N	74° 24' 55.002" E
78	AP-80	27° 21' 33.537" N	74° 25' 33.447" E
79	AP-81	27° 21' 33.557" N	74° 25' 33.557" E
80	AP-82	27° 21' 39.387" N	74° 25' 39.387" E
81	AP-83	27° 21' 34.982" N	74° 31' 38.880" E
82	AP-84	27° 21' 34.982" N	74° 31' 38.880" E
83	AP-85	27° 21' 51.927" N	74° 32' 51.681" E
84	AP-86	27° 21' 18.062" N	74° 32' 7.707" E
85	AP-87	27° 21' 18.164" N	74° 32' 23.340" E
86	AP-88	27° 21' 19.400" N	74° 32' 35.220" E
87	AP-89	27° 21' 19.860" N	74° 32' 44.791" E
88	AP-90	27° 21' 23.66" N	74° 32' 53.580" E
89	AP-91	27° 21' 24.512" N	74° 33' 9.692" E
90	AP-92	27° 21' 4.638" N	74° 38' 18.311" E
91	AP-93	27° 20' 51.807" N	74° 42' 14.984" E
92	AP-94	27° 20' 50.648" N	74° 43' 5.645" E
93	AP-95	27° 20' 50.648" N	74° 43' 5.645" E
94	AP-96	27° 20' 50.648" N	74° 43' 5.645" E
95	AP-97	27° 20' 50.648" N	74° 43' 5.645" E
96	AP-98	27° 20' 8.200" N	74° 45' 53.120" E
97	AP-99	27° 20' 12.200" N	74° 50' 39.941" E
98	AP-100	27° 20' 5.537" N	74° 51' 15.430" E
99	AP-101	27° 20' 7.537" N	74° 51' 32.000" E
100	AP-102	27° 20' 21.700" N	74° 53' 38.600" E
101	AP-103	27° 20' 19.000" N	74° 53' 45.000" E
102	AP-104	27° 20' 19.000" N	74° 54' 40.000" E
103	AP-105	27° 20' 19.000" N	74° 56' 20.000" E
104	AP-106	27° 20' 19.000" N	74° 58' 20.000" E
105	AP-107	27° 20' 25.080" N	74° 59' 31.730" E
106	AP-108	27° 20' 25.010" N	74° 59' 57.920" E
107	AP-109	27° 25' 5.400" N	74° 59' 41.590" E
108	AP-110	27° 26' 39.000" N	74° 59' 40.000" E
109	AP-111	27° 26' 39.000" N	75° 0' 48.000" E
110	AP-112	27° 19' 43.600" N	74° 58' 28.410" E
111	AP-113	27° 19' 43.600" N	74° 58' 28.410" E
112	AP-114	27° 19' 39.390" N	74° 57' 13.850" E
113	AP-115	27° 19' 39.390" N	74° 57' 13.850" E
114	AP-116	27° 19' 15.180" N	74° 56' 20.930" E
115	AP-117	27° 19' 15.180" N	75° 0' 10.900" E
116	AP-118	27° 19' 15.180" N	75° 1' 20.000" E
117	AP-119	27° 19' 28.400" N	75° 1' 31.950" E
118	AP-120	27° 19' 23.060" N	75° 1' 46.680" E
119	AP-121	27° 19' 24.120" N	75° 2' 9.480" E
120	AP-122	27° 19' 6.430" N	75° 2' 38.060" E
121	AP-123	27° 19' 30.900" N	75° 2' 48.000" E
122	AP-124	27° 19' 2.170" N	75° 4' 33.570" E
123	AP-125A	27° 19' 3.380" N	75° 5' 15.340" E
124	AP-125B	27° 19' 3.550" N	75° 5' 30.140" E
125	AP-126A	27° 19' 2.780" N	75° 5' 37.930" E
126	AP-126B	27° 19' 1.000" N	75° 6' 19.380" E
127	AP-125	27° 21' 51.290" N	75° 7' 3.110" E
128	AP-127	27° 24' 19.720" N	75° 7' 39.890" E
129	AP-128	27° 23' 3.980" N	75° 8' 8.500" E
130	AP-129A	27° 23' 1.000" N	75° 8' 19.380" E
131	AP-129B	27° 22' 46.370" N	75° 8' 30.260" E
132	AP-130	27° 22' 35.007" N	75° 10' 14.750" E
133	AP-131	27° 22' 35.007" N	75° 10' 14.750" E
134	AP-132	27° 22' 38.430" N	75° 11' 3.980" E
135	AP-133	27° 22' 54.990" N	75° 11' 14.380" E
136	AP-134	27° 23' 3.850" N	75° 11' 35.040" E
137	AP-135	27° 23' 37.370" N	75° 12' 6.170" E
138	AP-136	27° 23' 52.850" N	75° 12' 35.300" E
139	AP-137	27° 24' 34.000" N	75° 13' 58.340" E
140	AP-138	27° 24' 40.740" N	75° 14' 13.800" E
141	AP-139	27° 24' 51.590" N	75° 15' 44.430" E
142	AP-140	27° 24' 50.000" N	75° 16' 36.110" E
143	AP-141	27° 24' 46.200" N	75° 17' 30.280" E
144	AP-142	27° 24' 53.600" N	75° 17' 55.150" E
145	AP-143	27° 24' 59.740" N	75° 18' 38.310" E
146	AP-144	27° 25' 21.150" N	75° 19' 26.230" E
147	AP-145	27° 25' 23.990" N	75° 19' 41.100" E
148	AP-146	27° 25' 36.650" N	75° 19' 47.150" E
149	AP-147	27° 25' 45.650" N	75° 20' 5.220" E
150	AP-148	27° 25' 50.540" N	75° 20' 32.110" E
151	AP-149	27° 25' 52.580" N	75° 20' 35.360" E
152	AP-150(ER)	27° 25' 52.580" N	75° 20' 35.360" E
153	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.)	Non-Forest Land Area (in Ha.)	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			SEGMENT-1 (LOS)	5611	67	1186	0.1186					
2	NH-15 Crossing	Jodhpur	SEGMENT-1 (POS)	5611	67	1186	0.1186					
3			SEGMENT-2 (LOS)	2500	67	1675	0.1675	298128.96	67	1997.6640.32	1997.4641	1997.4641 Ha.
4	SH-70 (Old-5) Crossing	Nagaur	SEGMENT-2 (POS)	2500	67	1675	0.1675					
	Total			8122	67	5428	0.5428					
	Total Length of Project			298210 Meter								
	Width			67 Meter								
	Total Project Area			1990000 Sq. Meter = 1990.0070 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.)	Non-Forest Land Area (in Ha.)	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			SEGMENT-1 (LOS)	5611	67	1186	0.1186					
2	NH-15 Crossing	Jodhpur	SEGMENT-1 (POS)	5611	67	1186	0.1186					
3			SEGMENT-2 (LOS)	2500	67	1675	0.1675	300801.98	67	2015386.66	2015.3867	2015.3867 Ha.
4	SH-70 (Old-5) Crossing	Nagaur	SEGMENT-2 (POS)	2500	67	1675	0.1675					
	Total			8122	67	5542	0.5542	300804	67	2015386.67	2015.3867	
	Total Length of Project			300807 Meter								
	Width			67 Meter								
	Total Project Area			2015942.5 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.)	Non-Forest Land Area (in Ha.)	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			SEGMENT-1 (LOS)	5150	67	1186	0.1186					
2	NH-15 Crossing	Jodhpur	SEGMENT-1 (POS)	5150	67	1186	0.1186					
3	Forest Block Area		SEGMENT-2	2310.00	67	15177	15.5177					
4			SEGMENT-3 (LOS)	2430	67	1608	0.1608	296264	67	1984960.88	1984.9688	22.5656 Ha. 1984.9688 Ha.
5	SH-70 (Old-5) Crossing	Nagaur	SEGMENT-3 (POS)	2430	67	1608	0.1608					
			SEGMENT-4	470.05	67	3203	0.3203					
6	Forest Block Area	Sikar	SEGMENT-5	309.00	67	2063	2.0063					
			SEGMENT-6	89.00	67	594	0.5941					
	Total			3368	67	225656	22.5656	296264	67	1984960.88	1984.9688	
	Total Length of Project			299632 Meter								
	Width			67 Meter								
	Total Project Area			2007334 Sq. Meter = 2007.3344 Ha.								

Legend

- Tower Location
- Transmission Line In Froest Land
- Alternative Route - 1 (Proposed Route)
- Alternative Route - 2
- Alternative Route - 3
- Protected Forest Strip (ROW)
- Road Shoulder
- National/State Highway
- Sub Station
- Swichyard
- Forest Boundary
- Settlement
- Existing Road
- Railway Line
- District Boundary

प्रमाणित अधीक्षण अभियन्ता
Certified Superintendent Engineer
वीकास शु. (टांसमिशन लिमिटेड)
Sikar New Transmission Limited
(100% Subsidiary of POWERGRID)
पारेषण/Nagaur