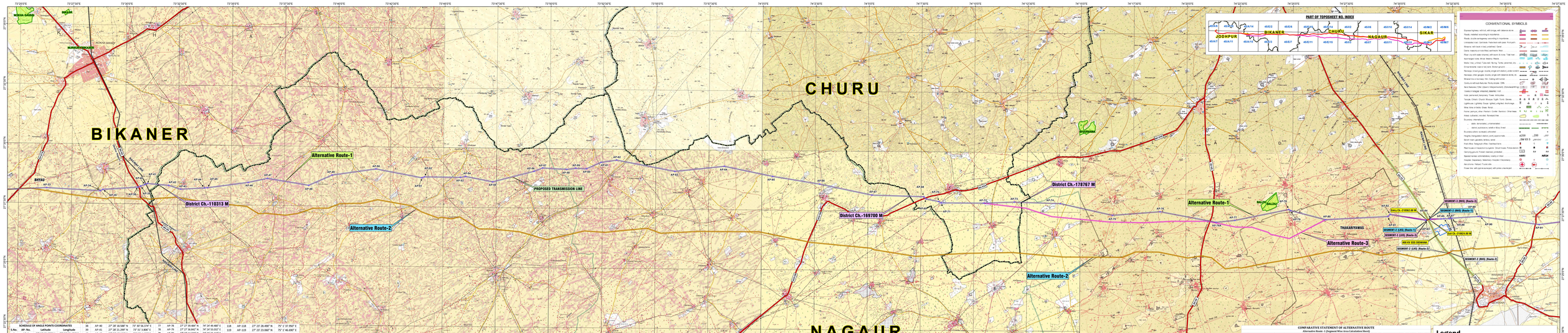
ALTERNATIVE ROUTE MAP SHOWING GEO-REFERENCE SURVEY OF INDIA TOPOSHEET WITH PROPOSED 765 KV D/C BHADLA-II TO SIKAR-II TRANSMISSION LINE ALIGNEMNT, REQUIRED FOREST LAND AND TOWER LOCATION

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

Proposal No. : FP/RJ/TRANS/142545/2021

PART-2



S.No.	AP. No.	Latitude	Longitude
1	AP-1	27° 36' 35.170" N	72° 28' 35.476" E
2	AP-2	27° 30' 8.572" N	72° 27' 30.773" E
3	AP-3	27° 29' 54.236" N	72° 27' 28.571" E
4	AP-4	27° 29' 32.210" N	72° 27' 41.916" E
5	AP-5	27° 29' 17.587" N	72° 27' 46.980" E
6	AP-6	27° 28' 53.895" N	72° 28' 45.701" E
7	AP-7	27° 28' 36.192" N	72° 28' 51.197" E
8	AP-8	27° 28' 26.373" N	72° 28' 1.198" E
9	AP-9	27° 28' 13.927" N	72° 31' 31.407" E
10	AP-10	27° 28' 15.496" N	72° 33' 42.684" E
11	AP-11	27° 24' 44.872" N	72° 36' 24.223" E
12	AP-12	27° 26' 24.460" N	72° 39' 17.418" E
13	AP-13	27° 26' 41.026" N	72° 40' 11.338" E
14	AP-14	27° 26' 50.402" N	72° 47' 13.151" E
15	AP-15	27° 28' 34.768" N	72° 47' 21.810" E
16	AP-16	27° 28' 45.000" N	72° 47' 29.000" E
17	AP-17	27° 28' 54.441" N	72° 53' 6.700" E
18	AP-18	27° 28' 26.325" N	72° 55' 56.015" E
19	AP-19	27° 28' 8.807" N	72° 57' 58.910" E
20	AP-20	27° 28' 5.467" N	73° 1' 1.747" E
21	AP-21	27° 28' 27.972" N	73° 2' 37.472" E
22	AP-22	27° 28' 18.115" N	73° 3' 36.981" E
23	AP-23	27° 28' 5.967" N	73° 6' 25.115" E
24	AP-24	27° 28' 18.076" N	73° 10' 9.847" E
25	AP-25	27° 28' 14.931" N	73° 10' 37.858" E
26	AP-26	27° 28' 15.542" N	73° 11' 54.544" E
27	AP-27	27° 28' 16.000" N	73° 12' 11.000" E
28	AP-28	27° 28' 7.606" N	73° 16' 70.757" E
29	AP-29	27° 28' 7.889" 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° 27' 59.090" N	73° 22' 17.744" E
33	AP-35	27° 28' 7.890" N	73° 26' 19.470" E
34	AP-36	27° 28' 1.572" N	73° 28' 50.830" E
35	AP-37	27° 28' 5.048" N	73° 28' 58.594" E
36	AP-38	27° 28' 11.680" N	73° 28' 59.000" E
37	AP-39	27° 28' 14.482" N	73° 28' 59.999" E
38	AP-40	27° 28' 18.588" N	73° 28' 58.178" E
39	AP-41	27° 28' 21.299" N	73° 31' 1.806" E
40	AP-42	27° 28' 17.110" N	73° 32' 4.155" E
41	AP-43	27° 28' 7.631" N	73° 32' 37.976" E
42	AP-44	27° 28' 11.452" N	73° 32' 49.816" E
43	AP-45	27° 28' 12.415" N	73° 33' 53.674" E
44	AP-46	27° 28' 26.344" N	73° 35' 46.703" E
45	AP-47	27° 28' 37.632" N	73° 35' 40.672" E
46	AP-48	27° 28' 45.000" N	73° 35' 40.000" E
47	AP-49	27° 28' 47.537" N	73° 35' 45.520" E
48	AP-50	27° 28' 4.945" N	73° 41' 45.167" E
49	AP-51	27° 28' 41.330" N	73° 42' 38.744" E
50	AP-52	27° 28' 41.692" N	73° 44' 5.682" E
51	AP-53	27° 28' 45.266" N	73° 45' 48.390" E
52	AP-54	27° 28' 47.807" N	73° 46' 2.735" E
53	AP-55	27° 28' 34.800" N	73° 47' 37.550" E
54	AP-56	27° 28' 2.417" N	73° 49' 36.355" E
55	AP-57	27° 28' 1.000" N	73° 50' 48.000" E
56	AP-58	27° 28' 7.380" N	73° 50' 48.350" E
57	AP-59	27° 28' 19.874" N	73° 51' 13.880" E
58	AP-60	27° 28' 19.080" N	73° 51' 46.242" E
59	AP-61	27° 28' 26.338" N	73° 52' 25.010" E
60	AP-62	27° 28' 30.447" N	73° 53' 9.320" E
61	AP-63	27° 28' 5.400" N	73° 55' 54.000" E
62	AP-64	27° 28' 19.168" N	73° 58' 13.800" E
63	AP-65	27° 28' 54.772" N	74° 0' 30.451" E
64	AP-66	27° 28' 36.238" N	74° 2' 43.138" E
65	AP-67	27° 28' 9.538" N	74° 5' 11.490" E
66	AP-68	27° 28' 9.000" N	74° 5' 11.000" E
67	AP-69	27° 28' 3.930" N	74° 7' 44.422" E
68	AP-70	27° 27' 54.558" N	74° 8' 20.139" E
69	AP-71	27° 27' 51.240" N	74° 8' 29.412" E
70	AP-72	27° 27' 51.231" N	74° 10' 27.062" E
71	AP-73	27° 27' 54.400" N	74° 11' 53.710" E
72	AP-74	27° 27' 51.539" N	74° 14' 0.087" E
73	AP-75	27° 27' 52.548" N	74° 16' 31.550" E
74	AP-76	27° 27' 50.287" N	74° 18' 45.921" E
75	AP-77	27° 27' 50.000" N	74° 18' 45.000" E
76	AP-78	27° 27' 51.000" N	74° 18' 45.000" E
77	AP-79	27° 27' 39.840" N	74° 24' 49.480" E
78	AP-80	27° 27' 39.842" N	74° 24' 55.032" E
79	AP-81	27° 27' 34.593" N	74° 24' 55.440" E
80	AP-82	27° 27' 23.555" N	74° 24' 29.911" E
81	AP-83	27° 27' 14.362" N	74° 24' 30.488" E
82	AP-84	27° 27' 14.000" N	74° 24' 30.000" E
83	AP-85	27° 27' 13.577" N	74° 24' 31.692" E
84	AP-86	27° 27' 18.062" N	74° 24' 52.000" E
85	AP-87	27° 27' 18.144" N	74° 32' 31.349" E
86	AP-88	27° 27' 19.440" N	74° 32' 30.229" E
87	AP-89	27° 27' 19.000" N	74° 32' 44.755" E
88	AP-90	27° 27' 19.000" N	74° 32' 51.000" E
89	AP-91	27° 27' 4.311" N	74° 32' 51.320" E
90	AP-92	27° 27' 10.157" N	74° 38' 5.820" E
91	AP-93	27° 27' 4.878" N	74° 38' 16.311" E
92	AP-94	27° 26' 53.897" N	74° 42' 14.840" E
93	AP-95	27° 26' 10.648" N	74° 45' 5.645" E
94	AP-96	27° 26' 10.000" N	74° 45' 5.000" E
95	AP-97	27° 26' 11.000" N	74° 45' 55.000" E
96	AP-98	27° 26' 8.200" N	74° 45' 53.120" E
97	AP-99	27° 26' 11.200" N	74° 50' 39.967" E
98	AP-100	27° 26' 5.570" N	74° 51' 55.430" E
99	AP-101	27° 25' 7.531" N	74° 52' 30.090" E
100	AP-102	27° 25' 21.700" N	74° 52' 36.660" E
101	AP-103	27° 25' 19.000" N	74° 52' 36.000" E
102	AP-104	27° 25' 20.860" N	74° 54' 40.641" E
103	AP-105	27° 25' 20.900" N	74° 56' 30.200" E
104	AP-106	27° 25' 20.000" N	74° 56' 30.000" E
105	AP-107	27° 25' 20.280" N	74° 56' 33.750" E
106	AP-108	27° 25' 2.910" N	74° 56' 57.910" E
107	AP-109	27° 25' 5.800" N	74° 56' 41.930" E
108	AP-110	27° 24' 56.000" N	74° 56' 41.000" E
109	AP-111	27° 24' 38.000" N	74° 58' 48.000" E
110	AP-112	27° 24' 43.420" N	74° 58' 28.420" E
111	AP-113	27° 24' 53.160" N	74° 58' 7.880" E
112	AP-114	27° 24' 30.990" N	74° 59' 17.810" E
113	AP-115	27° 24' 34.420" N	74° 59' 51.380" E
114	AP-116	27° 24' 35.180" N	75° 0' 19.720" E
115	AP-117	27° 24' 35.000" N	75° 0' 19.000" E
116	AP-118	27° 23' 35.550" N	75° 1' 20.000" E
117	AP-119	27° 23' 28.480" N	75° 1' 57.960" E
118	AP-120	27° 23' 23.060" N	75° 1' 46.600" E
119	AP-121	27° 23' 14.220" N	75° 2' 9.480" E
120	AP-122	27° 23' 6.430" N	75° 2' 38.060" E
121	AP-123	27° 23' 10.990" N	75° 4' 7.510" E
122	AP-124	27° 23' 2.170" N	75° 4' 33.570" E
123	AP-125A	27° 23' 1.340" N	75° 5' 15.540" E
124	AP-125B	27° 23' 1.550" N	75° 5' 30.140" E
125	AP-126A	27° 23' 2.780" N	75° 5' 37.930" E
126	AP-126B	27° 23' 10.130" N	75° 6' 23.080" E
127	AP-125	27° 22' 51.290" N	75° 7' 2.110" E
128	AP-127	27° 22' 34.720" N	75° 7' 39.890" E
129	AP-128	27° 22' 3.860" N	75° 8' 4.300" E
130	AP-129A	27° 22' 1.000" N	75° 8' 17.590" E
131	AP-129	27° 22' 46.310" N	75° 9' 10.260" E
132	AP-130	27° 22' 5.950" N	75° 10' 14.750" E
133	AP-131	27° 22' 18.000" N	75° 10' 14.000" E
134	AP-132	27° 22' 36.430" N	75° 11' 1.930" E
135	AP-133	27° 22' 54.990" N	75° 11' 24.380" E
136	AP-134	27° 23' 6.850" N	75° 11' 50.440" E
137	AP-135	27° 23' 10.370" N	75° 12' 6.170" E
138	AP-136	27° 23' 52.810" N	75° 12' 45.160" E
139	AP-137	27° 24' 54.000" N	75° 15' 58.340" E
140	AP-138	27° 24' 46.740" N	75° 15' 3.700" E
141	AP-139	27° 24' 51.590" N	75° 15' 44.430" E
142	AP-140	27° 24' 47.900" N	75° 16' 16.110" E
143	AP-141	27° 24' 46.200" N	75° 17' 30.280" E
144	AP-142	27° 24' 52.600" N	75° 17' 55.150" E
145	AP-143	27° 24' 59.740" N	75° 18' 38.310" E
146	AP-144	27° 25' 11.540" N	75° 19' 23.280" E
147	AP-145	27° 25' 23.990" N	75° 19' 41.130" E
148	AP-146	27° 25' 36.650" N	75° 19' 41.150" E
149	AP-147	27° 25' 45.650" N	75° 20' 6.220" E
150	AP-148	27° 25' 52.000" N	75° 20' 22.000" E
151	AP-149	27° 25' 59.000" N	75° 20' 25.960" E
152	AP-150	27° 26' 10.000" N	75° 20' 25.000" E
153	AP-150A(DB)	27° 26' 48.990" N	75° 20' 24.000" E
154	Silver Gantry	27° 25' 47.000" N	75° 20' 54.000" 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 (m)	Forest Land Area (In Ha.)	Non-Forest Land Length (m)	Non-Forest Land Width (m)	Non-Forest Land Area (m)	Non-Forest Land Area (In Ha.)	Total Forest Land	Total Non-Forest Land (In Ha.)
1			SEGMENT-1 (LAT)	2611	67	175037	17.5037						
2	NH-15 Crossing	Jodhpur	SEGMENT-2 (RHS)	1611	67	1106	0.1106						
3			SEGMENT-2 (LHS)	1611	67	1106	0.1106	29812.96	67	1997464.32	199.7464	17.5148 Ha.	1997.4641 Ha.
4	SH-70 (Old-51) Crossing	Nagaur	SEGMENT-3 (LHS)	24.00	67	1608	0.1608						
			SEGMENT-3 (RHS)	24.00	67	1608	0.1608						
	Total			81.82	67	5628	0.5628	29812.96	67	1997464.32	199.7464		

Total Length of Project 29894.78 Meter

Total Project Area 37 Hectare

199800.92 Sq.Meter = 199.8092 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 (m)	Forest Land Area (In Ha.)	Non-Forest Land Length (m)	Non-Forest Land Width (m)	Non-Forest Land Area (m)	Non-Forest Land Area (In Ha.)	Total Forest Land	Total Non-Forest Land (In Ha.)
1			SEGMENT-1 (LAT)	1611	67	1106	0.1106						
2	NH-15 Crossing	Jodhpur	SEGMENT-2 (RHS)	1611	67	1106	0.1106	29801.93	67	2015366.60	201.5367	0.5542 Ha.	2015.3667 Ha.
3			SEGMENT-2 (LHS)	2148	67	1475	0.1475						
4	SH-70 (Old-51) Crossing	Nagaur	SEGMENT-3 (LHS)	2148	67	1475	0.1475						
			SEGMENT-3 (RHS)	2148	67	1475	0.1475						
	Total			81.82	67	5642	0.5642	300804	67	20153663.7	2015.3663		

Total Length of Project 30885.7 Meter

Width 67 Meter

Total Project Area 2015963.37 Sq.Meter = 201.5963 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 (m)	Forest Land Area (In Ha.)	Non-Forest Land Length (m)	Non-Forest Land Width (m)	Non-Forest Land Area (m)	Non-Forest Land Area (In Ha.)	Total Forest Land	Total Non-Forest Land (In Ha.)
1			SEGMENT-1 (LAT)	1635	67	1106	0.1106						
2	NH-15 Crossing	Jodhpur	SEGMENT-1 (RHS)	1635	67	1106	0.1106						
3	Forest Block Area		SEGMENT-2	2319.00	67	15573	1.5573						
4			SEGMENT-3 (LAT)	2148	67	1475	0.1475	296264	67	1984608	198.4608	21.5426 Ha.	1984.9608 Ha.
5	SH-70 (Old-51) Crossing	Nagaur	SEGMENT-3 (RHS)	2148	67	1475	0.1475						
6			SEGMENT-4	490.00	67	32830	3.2830						
7	Forest Block Area	Sikar	SEGMENT-5	300.00	67	20461	2.0461						
8			SEGMENT-6	89.00	67	5962	0.5962						
	Total			13168	67	215426	21.5426	296264	67	1984608	198.4608		

Total Length of Project 29432 Meter

Width 67 Meter

Total Project Area 2070274.6 Sq.Meter = 207.0274 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
- Railway Line
- District Boundary

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