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-3

SCHEDULE OF ANGLE POINTS COORDINATES

S.No.	AP- No.	Latitude	Longitude
1	AP-1	27° 30' 35.379" 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' 28.371" E
4	AP-4	27° 29' 32.233" N	72° 27' 41.916" E
5	AP-5	27° 29' 27.587" N	72° 27' 48.980" E
6	AP-6	27° 28' 53.895" N	72° 28' 45.767" E
7	AP-7	27° 28' 34.301" N	72° 28' 57.904" E
8	AP-8	27° 28' 26.777" N	72° 29' 2.190" E
9	AP-9	27° 28' 13.927" N	72° 31' 31.467" E
10	AP-10	27° 28' 15.496" N	72° 33' 42.684" E
11	AP-11	27° 28' 44.872" N	72° 36' 24.223" E
12	AP-12	27° 28' 39.440" N	72° 39' 17.418" E
13	AP-13	27° 28' 41.024" N	72° 45' 11.309" E
14	AP-14	27° 28' 42.651" N	72° 47' 13.151" E
15	AP-15	27° 28' 34.700" N	72° 47' 21.833" E
16	AP-16	27° 27' 48.189" N	72° 51' 21.350" E
17	AP-17	27° 27' 58.441" N	72° 53' 8.705" E
18	AP-18	27° 28' 26.327" N	72° 55' 56.017" 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' 37.473" E
22	AP-22	27° 28' 28.137" N	73° 3' 30.981" 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' 14.931" N	73° 10' 37.656" E
26	AP-26	27° 28' 15.542" N	73° 11' 54.544" E
27	AP-27	27° 28' 6.463" N	73° 14' 25.863" E
28	AP-28	27° 28' 7.605" N	73° 16' 59.751" 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' 59.093" N	73° 23' 17.744" E
33	AP-35	27° 28' 7.890" N	73° 26' 19.470" E
34	AP-36	27° 28' 1.571" N	73° 28' 50.830" E
35	AP-37	27° 28' 5.068" N	73° 28' 58.596" E
36	AP-38	27° 28' 11.865" N	73° 30' 37.232" E
37	AP-39	27° 28' 14.603" N	73° 30' 44.999" E

S.No.	AP- No.	Latitude	Longitude
38	AP-40	27° 28' 18.588" N	73° 30' 56.374" E
39	AP-41	27° 28' 21.299" N	73° 31' 3.806" E
40	AP-42	27° 28' 17.129" N	73° 32' 4.155" E
41	AP-43	27° 28' 7.833" N	73° 32' 37.976" E
42	AP-44	27° 28' 11.852" N	73° 33' 45.830" E
43	AP-45	27° 28' 12.423" N	73° 33' 53.874" E
44	AP-46	27° 28' 26.949" N	73° 35' 48.703" E
45	AP-47	27° 28' 37.632" N	73° 36' 43.072" E
46	AP-48	27° 28' 21.234" N	73° 38' 39.679" E
47	AP-49	27° 28' 47.737" N	73° 39' 45.520" E
48	AP-50	27° 29' 4.345" N	73° 41' 49.167" E
49	AP-51	27° 28' 43.193" N	73° 43' 59.744" E
50	AP-52	27° 28' 45.693" N	73° 44' 6.602" E
51	AP-53	27° 28' 45.266" N	73° 45' 48.395" E
52	AP-54	27° 28' 47.807" N	73° 46' 2.735" E
53	AP-55	27° 28' 34.800" N	73° 47' 19.502" E
54	AP-56	27° 29' 2.417" N	73° 49' 16.201" E
55	AP-57	27° 29' 10.940" N	73° 49' 40.378" E
56	AP-58	27° 29' 7.900" N	73° 50' 48.295" E
57	AP-59	27° 29' 10.874" N	73° 51' 13.880" E
58	AP-60	27° 29' 10.083" N	73° 51' 44.242" E
59	AP-61	27° 29' 26.338" N	73° 52' 25.033" E
60	AP-62	27° 29' 32.447" N	73° 53' 9.320" E
61	AP-63	27° 29' 5.400" N	73° 55' 54.003" E
62	AP-64	27° 29' 19.160" N	73° 58' 13.800" E
63	AP-65	27° 28' 54.772" N	74° 0' 30.451" E
64	AP-66	27° 28' 36.236" N	74° 2' 43.538" E
65	AP-67	27° 28' 9.539" N	74° 5' 11.400" E
66	AP-68	27° 28' 6.450" N	74° 7' 38.001" E
67	AP-69	27° 28' 0.933" N	74° 7' 44.421" E
68	AP-70	27° 27' 54.558" N	74° 8' 20.139" E
69	AP-71	27° 27' 51.190" N	74° 8' 27.452" E
70	AP-72	27° 27' 51.231" N	74° 10' 27.062" E
71	AP-73	27° 27' 54.305" N	74° 11' 53.715" E
72	AP-74	27° 27' 51.139" N	74° 14' 4.097" E
73	AP-75	27° 27' 22.548" N	74° 16' 31.550" E
74	AP-76	27° 27' 32.297" N	74° 18' 45.921" E
75	AP-76A	27° 27' 6.438" N	74° 21' 24.698" E
76	AP-77	27° 27' 11.487" N	74° 22' 17.056" E

S.No.	AP- No.	Latitude	Longitude
77	AP-78	27° 27' 39.484" N	74° 24' 49.480" E
78	AP-79	27° 27' 36.842" N	74° 24' 55.032" E
79	AP-80	27° 27' 14.333" N	74° 26' 33.442" E
80	AP-81	27° 27' 23.101" N	74° 29' 29.911" E
81	AP-82	27° 27' 28.387" N	74° 29' 35.789" E
82	AP-83	27° 27' 14.581" N	74° 31' 18.880" E
83	AP-84	27° 27' 16.362" N	74° 31' 26.414" E
84	AP-85	27° 27' 17.517" N	74° 32' 0.181" E
85	AP-86	27° 27' 18.062" N	74° 32' 7.757" E
86	AP-87	27° 27' 18.244" N	74° 32' 23.349" E
87	AP-88	27° 27' 19.469" N	74° 32' 30.229" E
88	AP-89	27° 27' 23.998" N	74° 33' 44.751" E
89	AP-90	27° 27' 23.566" N	74° 33' 51.967" E
90	AP-91	27° 27' 4.231" N	74° 36' 37.329" E
91	AP-92	27° 27' 14.123" N	74° 38' 5.823" E
92	AP-93	27° 27' 4.878" N	74° 39' 16.311" E
93	AP-94	27° 26' 51.897" N	74° 42' 14.384" E
94	AP-95	27° 26' 20.648" N	74° 45' 9.645" E
95	AP-96	27° 26' 11.569" N	74° 46' 39.456" E
96	AP-97	27° 26' 22.096" N	74° 48' 50.246" E
97	AP-98	27° 26' 8.200" N	74° 49' 52.120" E
98	AP-99	27° 26' 12.209" N	74° 50' 29.561" E
99	AP-100	27° 26' 5.370" N	74° 51' 15.430" E
100	AP-101	27° 25' 7.070" N	74° 52' 30.090" E
101	AP-102	27° 25' 21.700" N	74° 53' 36.660" E
102	AP-103	27° 25' 18.810" N	74° 54' 4.420" E
103	AP-104	27° 25' 33.690" N	74° 54' 40.640" E
104	AP-105	27° 25' 30.560" N	74° 54' 56.200" E
105	AP-106	27° 25' 27.370" N	74° 55' 6.650" E
106	AP-107	27° 25' 25.080" N	74° 55' 33.750" E
107	AP-108	27° 25' 20.610" N	74° 56' 0.710" E
108	AP-109	27° 25' 6.300" N	74° 56' 41.550" E
109	AP-110	27° 24' 59.280" N	74° 56' 52.840" E
110	AP-111	27° 24' 38.700" N	74° 57' 49.420" E
111	AP-112	27° 24' 43.420" N	74° 58' 28.410" E
112	AP-113	27° 24' 31.560" N	74° 59' 7.690" E
113	AP-114	27° 24' 30.390" N	74° 59' 17.810" E
114	AP-115	27° 24' 34.120" N	74° 59' 51.300" E
115	AP-115A	27° 24' 15.180" N	75° 0' 19.720" E
116	AP-116	27° 23' 50.630" N	75° 0' 32.960" E
117	AP-117	27° 23' 31.320" N	75° 1' 20.030" E

S.No.	AP- No.	Latitude	Longitude
118	AP-118	27° 23' 28.490" N	75° 1' 37.950" E
119	AP-119	27° 23' 23.060" N	75° 1' 46.690" E
120	AP-120	27° 23' 14.220" N	75° 2' 9.480" E
121	AP-121	27° 23' 6.430" N	75° 3' 38.060" E
122	AP-122	27° 22' 59.990" N	75° 4' 7.510" E
123	AP-123	27° 23' 2.170" N	75° 4' 33.570" E
124	AP-123A	27° 23' 1.340" N	75° 5' 15.540" E
125	AP-124	27° 23' 1.550" N	75° 5' 30.140" E
126	AP-124A	27° 23' 2.780" N	75° 5' 37.930" E
127	AP-125	27° 23' 10.130" N	75° 6' 29.080" E
128	AP-126	27° 22' 51.290" N	75° 7' 2.110" E
129	AP-127	27° 22' 34.720" N	75° 7' 39.890" E
130	AP-128	27° 22' 3.860" N	75° 8' 4.300" E
131	AP-128A	27° 22' 1.000" N	75° 8' 17.590" E
132	AP-129	27° 21' 46.370" N	75° 9' 10.260" E
133	AP-130	27° 22' 5.350" N	75° 10' 14.750" E
134	AP-131	27° 22' 33.240" N	75° 10' 47.600" E
135	AP-132	27° 22' 36.430" N	75° 11' 1.930" E
136	AP-133	27° 22' 54.990" N	75° 11' 24.380" E
137	AP-134	27° 23' 6.850" N	75° 11' 50.840" E
138	AP-135	27° 23' 37.370" N	75° 12' 6.170" E
139	AP-136	27° 23' 52.810" N	75° 12' 45.160" E
140	AP-137	27° 24' 54.000" N	75° 13' 58.340" E
141	AP-138	27° 24' 48.740" N	75° 15' 8.700" E
142	AP-139	27° 24' 51.590" N	75° 15' 44.430" E
143	AP-140	27° 24' 47.360" N	75° 16' 36.110" E
144	AP-141	27° 24' 46.200" N	75° 17' 30.280" E
145	AP-142	27° 24' 52.600" N	75° 17' 55.150" E
146	AP-143	27° 24' 59.740" N	75° 18' 38.310" E
147	AP-144	27° 25' 11.540" N	75° 19' 16.230" E
148	AP-145	27° 25' 23.990" N	75° 19' 41.100" E
149	AP-146	27° 25' 36.650" N	75° 19' 47.150" E
150	AP-147	27° 25' 47.650" N	75° 20' 6.220" E
151	AP-148	27° 25' 58.680" N	75° 20' 14.880" E
152	AP-149	27° 25' 57.940" N	75° 20' 25.560" E
153	AP-150 (DE)	27° 25' 48.950" N	75° 20' 32.960" 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 Sq. M)	Forest Land Area (in Ha.)	Non-Forest Land Length (m)	Non-Forest Land Width (m)	Non-Forest Land Area (in Sq. M)	Non-Forest Land Area (in Ha.)	Total Forest Land	Total Non-Forest Land (in Ha.)
1	NH-15 Crossing	Jodhpur	SEGMENT-1 (LHS)	16.51	67	1106	0.1106	298128.96	67	19974640.32	1997.4641	0.5428 Ha.	1997.4641 Ha.
2			SEGMENT-1 (RHS)	16.51	67	1106	0.1106						
3	SH-7D (Old-5) Crossing	Nagaur	SEGMENT-2 (LHS)	24.00	67	1608	0.1608						
4			SEGMENT-2 (RHS)	24.00	67	1608	0.1608						
	Total			81.02	67	5428	0.5428	298128.96	67	19974640.3	1997.4641		

Total Length of Project	298210 Meter
Width	67 Meter
Total Project Area	19980070 Sq. Meter = 1998.0070 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 Sq. M)	Forest Land Area (in Ha.)	Non-Forest Land Length (m)	Non-Forest Land Width (m)	Non-Forest Land Area (in Sq. M)	Non-Forest Land Area (in Ha.)	Total Forest Land	Total Non-Forest Land (in Ha.)
1	NH-15 Crossing	Jodhpur	SEGMENT-1 (LHS)	16.51	67	1106	0.1106	300803.98	67	20153866.66	2015.3867	0.5562 Ha.	2015.3867 Ha.
2			SEGMENT-1 (RHS)	16.51	67	1106	0.1106						
3	SH-7D (Old-5) Crossing	Nagaur	SEGMENT-2 (LHS)	25.00	67	1675	0.1675						
4			SEGMENT-2 (RHS)	25.00	67	1675	0.1675						
	Total			83.02	67	5562	0.5562	300804	67	20153866.7	2015.3867		

Total Length of Project	300887 Meter
Width	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 Sq. M)	Forest Land Area (in Ha.)	Non-Forest Land Length (m)	Non-Forest Land Width (m)	Non-Forest Land Area (in Sq. M)	Non-Forest Land Area (in Ha.)	Total Forest Land	Total Non-Forest Land (in Ha.)
1	NH-15 Crossing	Jodhpur	SEGMENT-1 (LHS)	16.50	67	1106	0.1106	296264	67	19849688	1984.9688	22.5656 Ha.	1984.9688 Ha.
2			SEGMENT-1 (RHS)	16.50	67	1106	0.1106						
3	Forest Block Area		SEGMENT-2	2319.00	67	155373	15.5373						
4	SH-7D (Old-5) Crossing	Nagaur	SEGMENT-3 (LHS)	24.00	67	1608	0.1608						
5			SEGMENT-3 (RHS)	24.00	67	1608	0.1608						
6	Forest Block Area	Sikar	SEGMENT-4	490.00	67	32830	3.2830						
7			SEGMENT-5	389.00	67	26063	2.6063						
8			SEGMENT-6	89.00	67	5963	0.5963						
	Total			3368	67	225656	22.5656	296264	67	19849688	1984.9688		

Total Length of Project	299632 Meter
Width	67 Meter
Total Project Area	20075344 Sq. Meter = 2007.5344 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

धनराज आसेरी/DHANRAJ ASERI
उप प्रबन्धक/Dy.Manager
सीकर न्यू ट्रांसमिशन लिमिटेड/
Sikar New Transmission Limited
(100% Subsidiary of POWERGRID)
नागौर/Nagaur