

Alternative Route Alignment Analysis Sheet for

Full title of the Project : “Construction of Sikar-II_Neemrana 400 KV D/C Transmission line(Twin HTLS*)in Rajasthan”

Proposal No. : FP/RJ/TRANS/143945/2021

Date of Proposal : 29-06-2021

Diversion Area : 13.0134 Ha. (Sikar Division= 7.5486 Ha. & Alwar Division = 5.4648 Ha)

S.No	Alternative Details	Segment	Length (M)	Width (M)	Area (Sqm)	Area (Ha)	Reason for Selection / Rejection
1.	Alternative Route -1 (Selected Alignment Marked in (Blue Color)	7	2829	46	130134	13.0134	In Alternative Alignment-1 forest land Proposed for Diversion is less than the Alternative Route-2 and Alternative Route-3 hence we have selected the Route-1
2.	Alternative Route -2 (Selected Alignment Marked in (Red Color)	12	7917	46	364182	36.4182	In Alternative Route-2 forest land Proposed for Diversion is More than the Alternative Route-1 Hence we have rejected the Route-2
3.	Alternative Route -3 (Selected Alignment Marked in (Pink Color)	13	14853	46	683238	68.3238	In Alternative Route-3 forest land Proposed for Diversion is More than the Alternative Route-1 Hence we have rejected the Route-3

Note : No other Alternative is feasible except above mentioned 2 alignment due protected forest Crossing.

Analysis of above three route has been done route-1 has been selected because it is minimum forest land and low project cost.

Place : Sikar

Date : 01/01/2022


 प्रणवीर प्रताप चौराasia / Pranveer Pratap Chaurasia
 मुख्य प्रबंधक / Chief Manager
 पावरग्रिड सीकर ट्रांसमिशन लिमिटेड /
 POWERGRID SIKAR TRANSMISSION LIMITED
 100% Subsidiary of POWERGRID
 सीकर-2 / Sikar-2

(Pranveer Pratap Chaurasia)

Chief Manager

POWERGRID Sikar Transmission Limited (100% Subsidiary of POWERGRID)

Sikar-2

Countersigned

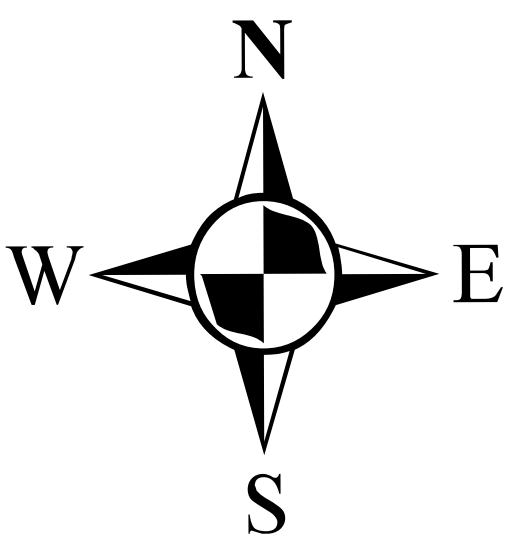
Divisional Forest officer

Forest Division-----

Office Seal-----

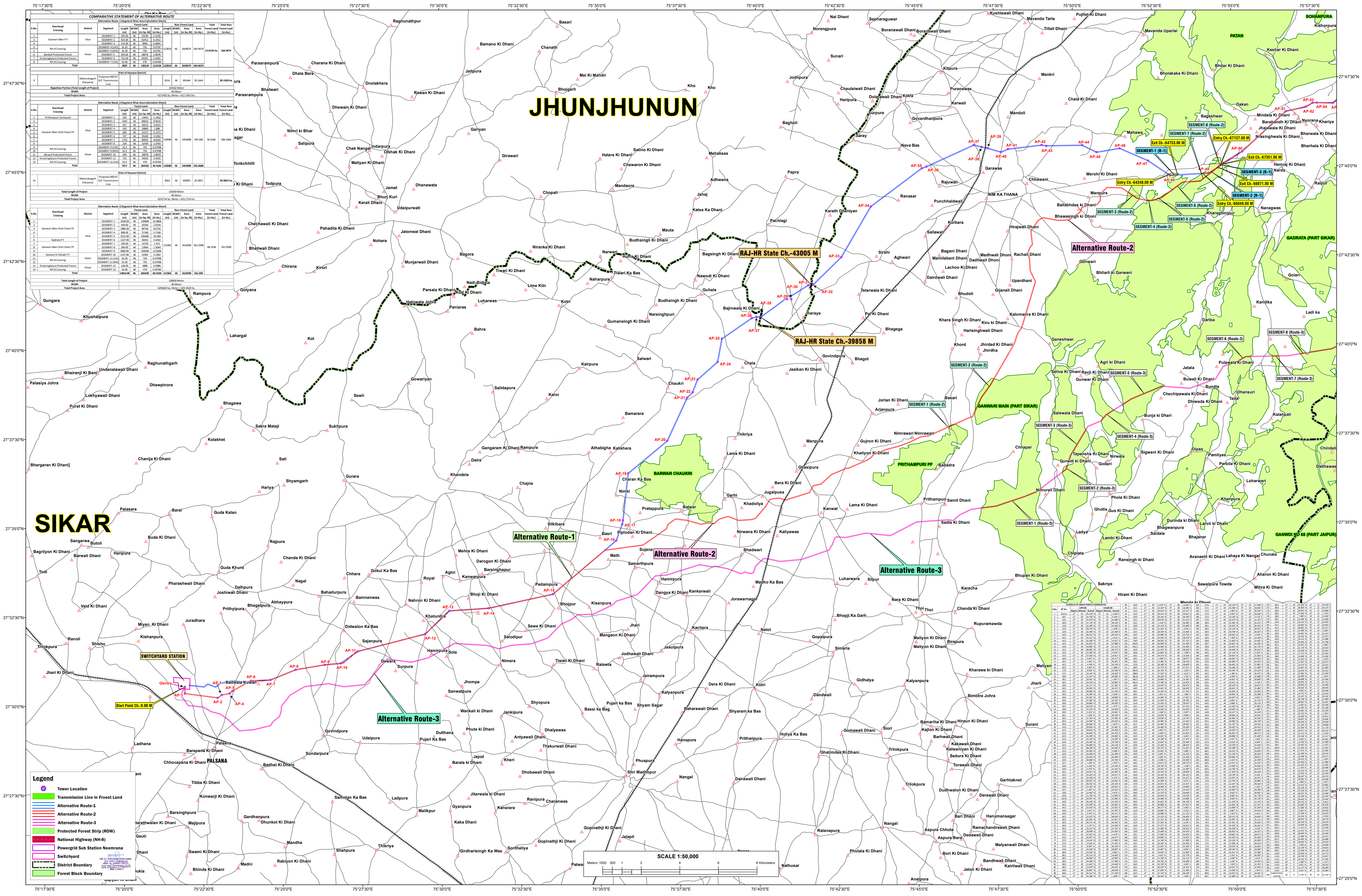
ALTERNATIVE ROUTE DIGITAL MAP SHOWING WITH
PROPOSED 400 KV D/C SIKAR-II - NEEMRANA TRANSMISSION LINE ALIGNMENT, REQUIRED FOREST LAND AND TOWER LOCATION

PART-1



Full Title of the Project : "Construction of Sikar-II - Neemrana 400 KV D/C Transmission Line (Twin HTLS*)"

Proposal No. : FP/RJ/TRANS/143945/2021 Applied Area : 13.0134 Ha. (Sikar Division= 7.5486 Ha. & Alwar Division = 5.4648 Ha.)



PART-2

COMPARATIVE STATEMENT OF ALTERNATIVE ROUTE

S.No.	Overhead Crossing	District	Proposed Route-1 (Segment Wise Area Calculation Sheet)				Non-Proposed Route-2 (Segment Wise Area Calculation Sheet)				Total	Total Non-Proposed
			Segment	Length (M)	Width (M)	Area (Ha)	Segment	Length (M)	Width (M)	Area (Ha)		
1	Garwal Main P.T.	Sikar	SEGMENT-1	101.00	40	4.04	SEGMENT-1	101.00	40	4.04	4.04	4.04
2	NH-8 Crossing	Alwar	SEGMENT-2	101.00	40	4.04	SEGMENT-2	101.00	40	4.04	4.04	4.04
3	NH-8 Crossing	Alwar	SEGMENT-3	101.00	40	4.04	SEGMENT-3	101.00	40	4.04	4.04	4.04
4	NH-8 Crossing	Alwar	SEGMENT-4	101.00	40	4.04	SEGMENT-4	101.00	40	4.04	4.04	4.04
5	NH-8 Crossing	Alwar	SEGMENT-5	101.00	40	4.04	SEGMENT-5	101.00	40	4.04	4.04	4.04
6	NH-8 Crossing	Alwar	SEGMENT-6	101.00	40	4.04	SEGMENT-6	101.00	40	4.04	4.04	4.04
7	NH-8 Crossing	Alwar	SEGMENT-7	101.00	40	4.04	SEGMENT-7	101.00	40	4.04	4.04	4.04
8	NH-8 Crossing	Alwar	SEGMENT-8	101.00	40	4.04	SEGMENT-8	101.00	40	4.04	4.04	4.04
9	NH-8 Crossing	Alwar	SEGMENT-9	101.00	40	4.04	SEGMENT-9	101.00	40	4.04	4.04	4.04
10	NH-8 Crossing	Alwar	SEGMENT-10	101.00	40	4.04	SEGMENT-10	101.00	40	4.04	4.04	4.04
11	NH-8 Crossing	Alwar	SEGMENT-11	101.00	40	4.04	SEGMENT-11	101.00	40	4.04	4.04	4.04
12	NH-8 Crossing	Alwar	SEGMENT-12	101.00	40	4.04	SEGMENT-12	101.00	40	4.04	4.04	4.04
13	NH-8 Crossing	Alwar	SEGMENT-13	101.00	40	4.04	SEGMENT-13	101.00	40	4.04	4.04	4.04
14	NH-8 Crossing	Alwar	SEGMENT-14	101.00	40	4.04	SEGMENT-14	101.00	40	4.04	4.04	4.04
15	NH-8 Crossing	Alwar	SEGMENT-15	101.00	40	4.04	SEGMENT-15	101.00	40	4.04	4.04	4.04
16	NH-8 Crossing	Alwar	SEGMENT-16	101.00	40	4.04	SEGMENT-16	101.00	40	4.04	4.04	4.04
17	NH-8 Crossing	Alwar	SEGMENT-17	101.00	40	4.04	SEGMENT-17	101.00	40	4.04	4.04	4.04
18	NH-8 Crossing	Alwar	SEGMENT-18	101.00	40	4.04	SEGMENT-18	101.00	40	4.04	4.04	4.04
19	NH-8 Crossing	Alwar	SEGMENT-19	101.00	40	4.04	SEGMENT-19	101.00	40	4.04	4.04	4.04
20	NH-8 Crossing	Alwar	SEGMENT-20	101.00	40	4.04	SEGMENT-20	101.00	40	4.04	4.04	4.04
21	NH-8 Crossing	Alwar	SEGMENT-21	101.00	40	4.04	SEGMENT-21	101.00	40	4.04	4.04	4.04
22	NH-8 Crossing	Alwar	SEGMENT-22	101.00	40	4.04	SEGMENT-22	101.00	40	4.04	4.04	4.04
23	NH-8 Crossing	Alwar	SEGMENT-23	101.00	40	4.04	SEGMENT-23	101.00	40	4.04	4.04	4.04
24	NH-8 Crossing	Alwar	SEGMENT-24	101.00	40	4.04	SEGMENT-24	101.00	40	4.04	4.04	4.04
25	NH-8 Crossing	Alwar	SEGMENT-25	101.00	40	4.04	SEGMENT-25	101.00	40	4.04	4.04	4.04
26	NH-8 Crossing	Alwar	SEGMENT-26	101.00	40	4.04	SEGMENT-26	101.00	40	4.04	4.04	4.04
27	NH-8 Crossing	Alwar	SEGMENT-27	101.00	40	4.04	SEGMENT-27	101.00	40	4.04	4.04	4.04
28	NH-8 Crossing	Alwar	SEGMENT-28	101.00	40	4.04	SEGMENT-28	101.00	40	4.04		