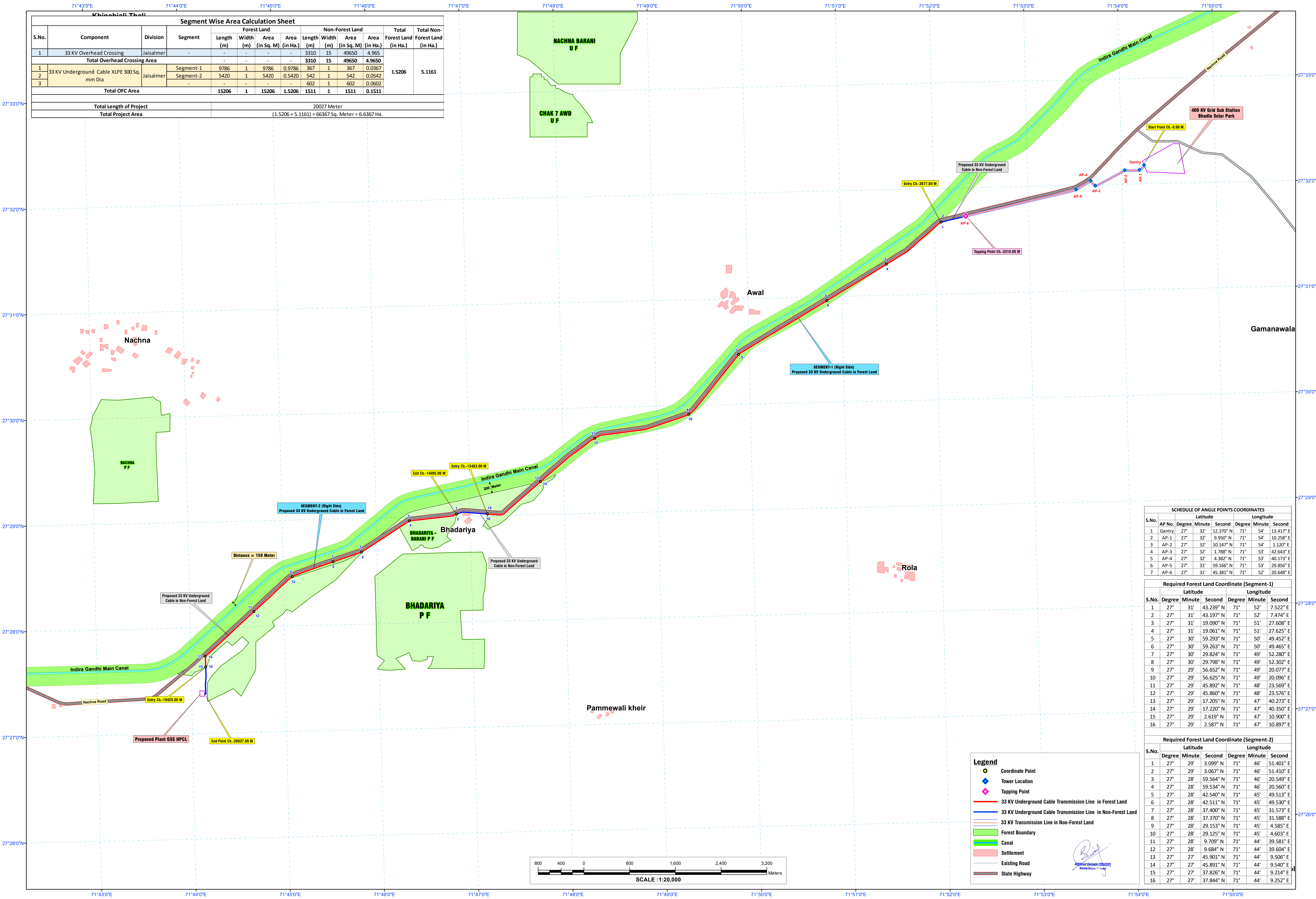
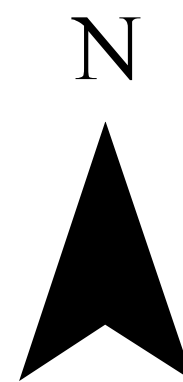


DIGITAL MAP SHOWING OF PROPOSED 33 KV (400 KV GSS BHADLA TO HPCL, RAJASTHAN REFINERY LTD.) TRANSMISSION LINE
WITH REQUIRED FOREST LAND AND TOWER LOCATION

Full Title of the Project : “Construction of 33 KV Transmission Line Overhead/ Underground 33 KV XLPE 300 Sq. mm Cable From 400 KV GSS Bhadla to HPCL Rajasthan Refinery Ltd Nachana District -Jaisalmer”

Proposal No. : FP/RJ/TRANS/152039/2022 Applied Area : 1.5206 Ha.



Segment Wise Area Calculation Sheet													
S.No.	Component	Division	Segment	Forest Land				Non-Forest Land				Total Forest Land (in Ha.)	Total Non-Forest Land (in Ha.)
				Length (m)	Width (m)	Area (in Sq. M)	Area (in Ha.)	Length (m)	Width (m)	Area (in Sq. M)	Area (in Ha.)		
1	33 KV Overhead Crossing	Jaisalmer	-	-	-	-	-	3310	15	49650	4.965		
Total Overhead Crossing Area				-	-	-	-	3310	15	49650	4.9650		
1	33 KV Underground Cable XLPE 300 Sq. mm Dia	Jaisalmer	Segment-1	9786	1	9786	0.9786	367	1	367	0.0367	1.5206	
2			Segment-2	5420	1	5420	0.5420	542	1	542	0.0542		
3			-	-	-	-	-	602	1	602	0.0602		
Total OFC Area				15206	1	15206	1.5206	1511	1	1511	0.1511		
Total Length of Project				20027 Meter									
Total Project Area				(1.5206 + 5.1161) = 6.6367 Sq. Meter = 6.6367 Ha.									

SCHEDULE OF ANGLE POINTS COORDINATES						
S.No.	AP No.	Degree	Minute	Second	Latitude	Longitude
1	Gantry	27°	32'	12.370"	27° 32' 12.370" N	71° 54' 13.417" E
2	AP-1	27°	32'	9.950"	27° 32' 9.950" N	71° 54' 10.258" E
3	AP-2	27°	32'	10.147"	27° 32' 10.147" N	71° 54' 1.120" E
4	AP-3	27°	32'	1.788"	27° 32' 1.788" N	71° 53' 42.643" E
5	AP-4	27°	32'	4.382"	27° 32' 4.382" N	71° 53' 40.173" E
6	AP-5	27°	31'	59.166"	27° 31' 59.166" N	71° 53' 29.856" E
7	AP-6	27°	31'	45.381"	27° 31' 45.381" N	71° 52' 20.648" E

Required Forest Land Coordinate (Segment-1)						
S.No.	Degree	Minute	Second	Degree	Minute	Second
1	27°	31'	43.239"	71°	52'	7.522"
2	27°	31'	43.197"	71°	52'	7.474"
3	27°	31'	19.090"	71°	51'	27.608"
4	27°	31'	19.061"	71°	51'	27.625"
5	27°	30'	59.293"	71°	50'	49.452"
6	27°	30'	59.263"	71°	50'	49.465"
7	27°	30'	29.824"	71°	49'	52.280"
8	27°	30'	29.798"	71°	49'	52.302"
9	27°	29'	56.652"	71°	49'	20.077"
10	27°	29'	56.625"	71°	49'	20.096"
11	27°	29'	45.892"	71°	48'	23.569"
12	27°	29'	45.860"	71°	48'	23.576"
13	27°	29'	17.205"	71°	47'	40.273"
14	27°	29'	17.220"	71°	47'	40.350"
15	27°	29'	2.619"	71°	47'	10.900"
16	27°	29'	2.587"	71°	47'	10.897"

Required Forest Land Coordinate (Segment-2)						
S.No.	Degree	Minute	Second	Degree	Minute	Second
1	27°	29'	3.099"	71°	46'	51.401"
2	27°	29'	3.067"	71°	46'	51.410"
3	27°	28'	59.564"	71°	46'	20.549"
4	27°	28'	59.534"	71°	46'	20.560"
5	27°	28'	42.540"	71°	45'	49.513"
6	27°	28'	42.511"	71°	45'	49.530"
7	27°	28'	37.400"	71°	45'	31.573"
8	27°	28'	37.370"	71°	45'	31.588"
9	27°	28'	29.153"	71°	45'	4.585"
10	27°	28'	29.125"	71°	45'	4.603"
11	27°	28'	9.709"	71°	44'	39.581"
12	27°	28'	9.684"	71°	44'	39.604"
13	27°	27'	45.901"	71°	44'	9.506"
14	27°	27'	45.891"	71°	44'	9.540"
15	27°	27'	37.826"	71°	44'	9.214"
16	27°	27'	37.844"	71°	44'	9.252"