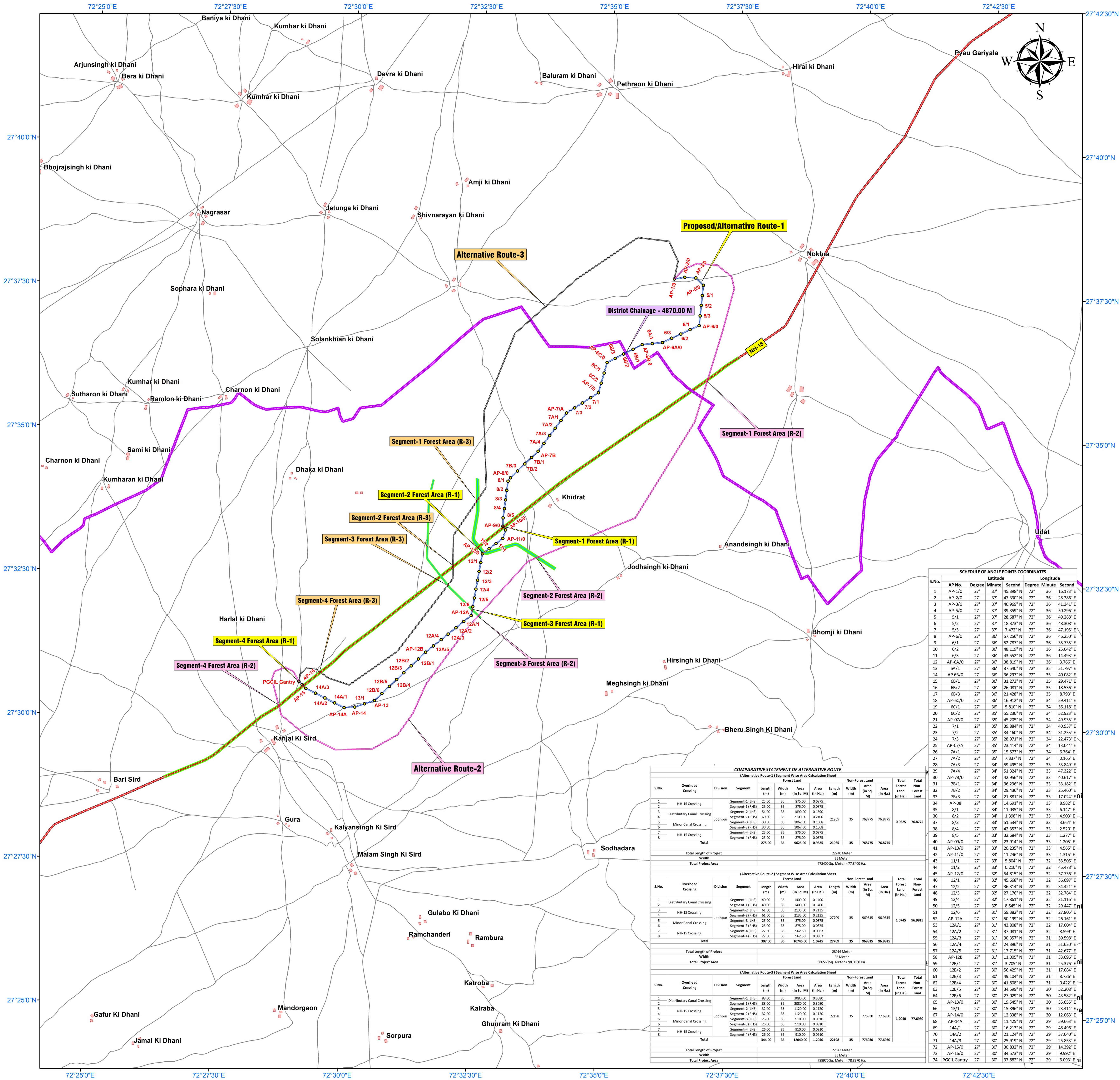


ALTERNATIVE ROUTE DIGITAL MAP SHOWING OF PROPOSED 220 KV S/C AEPL 320 MW SOLAR PLANT TO PGCIL BHADLA SUB STATION
TRANSMISSION LINE WITH REQUIRED FOREST LAND AND TOWER LOCATION

Full Title of the Project : "Avaada Energy Pvt Ltd. Solar Power Plant in Kolayat Tehsil , Bikaner - Bhadla -II PS 220 KV S/C Transmission Line"

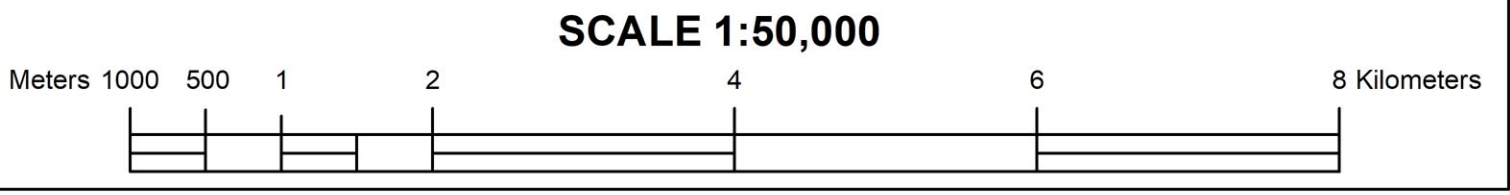
Proposal No. : FP/RJ/TRANS/150764/2022 Applied Area : 0.9625 Ha.



SCHEDULE OF ANGLE POINTS COORDINATES					
S.No.	AP No.	Degree	Minute	Second	Longitude
1	AP-1/0	27°	37'	45.388" N	72° 36' 16.175" E
2	AP-2/0	27°	37'	47.387" N	72° 36' 28.985" E
3	AP-3/0	27°	37'	46.969" N	72° 36' 41.341" E
4	AP-5/0	27°	37'	39.359" N	72° 36' 50.295" E
5	5/1	27°	37'	28.687" N	72° 36' 49.288" E
6	5/2	27°	37'	18.573" N	72° 36' 48.300" E
7	5/3	27°	37'	7.472" N	72° 36' 47.195" E
8	AP-6/0	27°	36'	57.256" N	72° 36' 46.250" E
9	6/1	27°	36'	52.787" N	72° 36' 35.735" E
10	6/2	27°	36'	46.119" N	72° 36' 25.042" E
11	6/3	27°	36'	43.552" N	72° 36' 14.405" E
12	AP-6A/0	27°	36'	38.819" N	72° 36' 3.765" E
13	6A/1	27°	36'	37.540" N	72° 35' 51.797" E
14	AP-6B/0	27°	36'	36.297" N	72° 35' 40.082" E
15	6B/1	27°	36'	31.273" N	72° 35' 29.472" E
16	6B/2	27°	36'	26.081" N	72° 35' 18.536" E
17	6B/3	27°	36'	21.428" N	72° 35' 8.793" E
18	AP-6C/0	27°	36'	16.912" N	72° 34' 59.411" E
19	6C/1	27°	36'	5.807" N	72° 34' 56.116" E
20	6C/2	27°	35'	55.230" N	72° 34' 52.923" E
21	AP-07/0	27°	35'	45.205" N	72° 34' 49.935" E
22	7/1	27°	35'	39.884" N	72° 34' 40.937" E
23	7/2	27°	35'	34.160" N	72° 34' 31.255" E
24	7/3	27°	35'	28.571" N	72° 34' 22.472" E
25	AP-07A/1	27°	35'	23.414" N	72° 34' 13.044" E
26	7A/1	27°	35'	15.573" N	72° 34' 6.764" E
27	7A/2	27°	35'	7.337" N	72° 34' 0.165" E
28	7A/3	27°	34'	59.895" N	72° 33' 53.849" E
29	7A/4	27°	34'	51.324" N	72° 33' 47.322" E
30	AP-7B/0	27°	34'	42.956" N	72° 33' 40.617" E
31	7B/1	27°	34'	36.296" N	72° 33' 33.182" E
32	7B/2	27°	34'	29.580" N	72° 33' 25.460" E
33	7B/3	27°	34'	21.881" N	72° 33' 17.020" E
34	AP-08/0	27°	34'	14.691" N	72° 33' 8.982" E
35	8/1	27°	34'	11.095" N	72° 33' 6.147" E
36	8/2	27°	34'	1.398" N	72° 33' 4.903" E
37	8/3	27°	33'	51.534" N	72° 33' 3.664" E
38	8/4	27°	33'	42.353" N	72° 33' 2.520" E
39	8/5	27°	33'	32.684" N	72° 33' 1.277" E
40	AP-09/0	27°	33'	23.914" N	72° 33' 1.205" E
41	AP-10/0	27°	33'	20.235" N	72° 33' 4.565" E
42	AP-11/0	27°	33'	11.240" N	72° 33' 1.315" E
43	11/1	27°	33'	5.804" N	72° 32' 53.500" E
44	11/2	27°	33'	0.210" N	72° 32' 45.478" E
45	AP-12/0	27°	32'	54.815" N	72° 32' 37.786" E
46	12/1	27°	32'	45.648" N	72° 32' 36.097" E
47	12/2	27°	32'	36.314" N	72° 32' 34.421" E
48	12/3	27°	32'	27.176" N	72° 32' 32.784" E
49	12/4	27°	32'	17.861" N	72° 32' 31.116" E
50	12/5	27°	32'	8.545" N	72° 32' 29.447" E
51	12/6	27°	31'	59.882" N	72° 32' 27.880" E
52	AP-12A/1	27°	31'	50.199" N	72° 32' 26.161" E
53	12A/1	27°	31'	43.808" N	72° 32' 17.604" E
54	12A/2	27°	31'	37.081" N	72° 32' 8.599" E
55	12A/3	27°	31'	30.357" N	72° 31' 59.598" E
56	12A/4	27°	31'	24.396" N	72° 31' 51.620" E
57	12A/5	27°	31'	17.715" N	72° 31' 42.677" E
58	AP-12B/1	27°	31'	11.005" N	72° 31' 33.696" E
59	12B/1	27°	31'	3.765" N	72° 31' 25.276" E
60	12B/2	27°	30'	56.420" N	72° 31' 17.084" E
61	12B/3	27°	30'	49.104" N	72° 31' 8.736" E
62	12B/4	27°	30'	41.808" N	72° 31' 0.422" E
63	12B/5	27°	30'	34.599" N	72° 30' 52.208" E
64	12B/6	27°	30'	27.029" N	72° 30' 43.582" E
65	AP-13/0	27°	30'	19.545" N	72° 30' 35.055" E
66	13/1	27°	30'	15.896" N	72° 30' 23.414" E
67	AP-14/0	27°	30'	12.338" N	72° 30' 12.067" E
68	AP-14A/1	27°	30'	11.425" N	72° 29' 59.665" E
69	14A/1	27°	30'	16.213" N	72° 29' 46.490" E
70	14A/2	27°	30'	11.124" N	72° 29' 37.040" E
71	14A/3	27°	30'	25.919" N	72° 29' 25.853" E
72	AP-15/0	27°	30'	30.832" N	72° 29' 14.392" E
73	AP-16/0	27°	30'	34.572" N	72° 29' 9.992" E
74	PGCIL Gantry	27°	30'	37.882" N	72° 29' 6.093" E

COMPARATIVE STATEMENT OF ALTERNATIVE ROUTE										
(Alternative Route-1) Segment Wise Area Calculation Sheet										
S.No.	Overhead Crossing	Division	Segment	Length (m)	Width (m)	Area (in Sq. M)	Area (in Ha.)	Length (m)	Area (in Ha.)	
1	NH-15 Crossing	Jodhpur	Segment-1 (LHS)	25.00	35	875.00	0.0875			
2			Segment-1 (RHS)	25.00	35	875.00	0.0875			
3			Distributary Canal Crossing	Segment-2 (LHS)	54.00	35	1890.00	0.1890		
4			Segment-2 (RHS)	60.00	35	2100.00	0.2100	21965	76.8775	
5	Minor Canal Crossing	Jodhpur	Segment-3 (LHS)	30.50	35	1067.50	0.1068			
6			Segment-3 (RHS)	30.50	35	1067.50	0.1068			
7			NH-15 Crossing	Segment-4 (LHS)	25.00	35	875.00	0.0875		
8			Segment-4 (RHS)	25.00	35	875.00	0.0875	21965	76.8775	
Total				275.00	35	9625.00	0.9625	21965	76.8775	
Total Length of Project				22240 Meter						
Total Project Area				778400 Sq. Meter = 77.8400 Ha.						
(Alternative Route-2) Segment Wise Area Calculation Sheet										
S.No.	Overhead Crossing	Division	Segment	Length (m)	Width (m)	Area (in Sq. M)	Area (in Ha.)	Length (m)	Area (in Ha.)	
1	Distributary Canal Crossing	Jodhpur	Segment-1 (LHS)	40.00	35	1400.00	0.1400			
2			Segment-1 (RHS)	40.00	35	1400.00	0.1400			
3			NH-15 Crossing	Segment-2 (LHS)	61.00	35	2135.00	0.2135		
4			Segment-2 (RHS)	61.00	35	2135.00	0.2135	27709	96.9815	
5	Minor Canal Crossing	Jodhpur	Segment-3 (LHS)	25.00	35	875.00	0.0875			
6			Segment-3 (RHS)	25.00	35	875.00	0.0875			
7			NH-15 Crossing	Segment-4 (LHS)	27.50	35	962.50	0.0963		
8			Segment-4 (RHS)	27.50	35	962.50	0.0963	96981.5	9.69815	
Total				307.00	35	10745.00	1.0745	27709	96.9815	
Total Length of Project				28016 Meter						
Total Project Area				980560 Sq. Meter = 98.0560 Ha.						
(Alternative Route-3) Segment Wise Area Calculation Sheet										
S.No.	Overhead Crossing	Division	Segment	Length (m)	Width (m)	Area (in Sq. M)	Area (in Ha.)	Length (m)	Area (in Ha.)	
1	Distributary Canal Crossing	Jodhpur	Segment-1 (LHS)	88.00	35	3080.00	0.3080			
2			Segment-1 (RHS)	88.00	35	3080.00	0.3080			
3			NH-15 Crossing	Segment-2 (LHS)	32.00	35	1120.00	0.1120		
4			Segment-2 (RHS)	32.00	35	1120.00	0.1120	22198	2.2198	
5	Minor Canal Crossing	Jodhpur	Segment-3 (LHS)	26.00	35	910.00	0.0910			
6			Segment-3 (RHS)	26.00	35	910.00	0.0910			
7			NH-15 Crossing	Segment-4 (LHS)	26.00	35	910.00	0.0910		
8			Segment-4 (RHS)	26.00	35	910.00	0.0910	77693.0	7.7693	
Total				344.00	35	12040.00	1.2040	22198	2.2198	
Total Length of Project				22542 Meter						
Total Project Area				788750 Sq. Meter = 78.8750 Ha.						

- Legend**
- Tower Location
 - Transmission Line in Forest Area
 - Proposed/Alternative Route-1
 - Alternative Route-2
 - Alternative Route-3
 - National Highway -15
 - Forest Area Along the Road
 - Forest Area Along the Canal
 - Existing Road
 - Settlement
 - District Boundary



Rahul Sharma
Engineer
Authorized Signatory
Avaada Energy Private Limited