Comparative Statement of Alternative Route Alignment Analysis Sheet for

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: FP/RJ/TRANS/150764/2022, Diversion Area: 0.9625 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)	1	50	35	1750	0.1750	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	114	35	3990	0. 3990	
		3	61	35	2135	0.2135	
		4	50	35	1750	0. 1750	
		Alternative	e Route -1	Total For	est Area	0.9625	
2.	Alternative Route -2 (Selected Alignment Marked in (Pink Color)	1	80	35	2800	0. 2800	In Alternative Route-2 forest land Proposed for Diversion is More than the Alternative Route-1 Hence we have rejected the Route-2
		2	122	35	4270	0. 4270	
		3	50	35	1750	0.1750	
		4	55	35	1925	0. 1925	
		Alternative Route -2 Total Forest Area				1.0745	
3.	Alternative Route -3 (Selected Alignment Marked in (Black Color)	1	176	35	6160	0.6160	In Alternative Route-3 forest land Proposed for Diversion is More than the Alternative Route-1 Hence we have rejected the Route-3
		2	64	35	2240	0. 2240	
		3	52	35	1820	0. 1820	
		4	52	35	1820	0. 1820	
		Alternative Route -3 Total Forest Are				2.9026	

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: Kolayat Date: 08/01/2022

Rahul Sharma Engineer

(Rahul Sharma)

Authorized Signatory Engineer, Avaada Energy Private Limited

Authorized Signatory

Avaada Energy Private Limited

Countersigned Divisional Forest officer Forest Division____ Office Seal

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

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

