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TABLE 1
DETAILS OF FOREST INVOLVEMENT
220KV D/C AJMER BHERUNDA LINE PASSING THROUGH FOLLOWING FOREST AREA/BLOCK

NAME OF FOREST BLOCK	FOREST LEVEL	VILLAGES	LENGTH OF LINNE IN FOREST (MTR)	WIDTH OF LINE (MTR)	FOREST AREA (HECTARE)	REMARK/ KHASRA NO.	STATE CONCERNED
HAASIYAWAS ARADKA BLOCK	P/F	ARADKA	860	35	3.01	15,19,77,76,23	RAJASTHAN
BANWAL BLOCK	P/F	KHUNDIY AS	260	35	0.91	425,448	RAJASTHAN
TOTAL			1120		3.92		

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220KV D/C AJMER-BHERUNDA TRANSMISSION LINE

B2.4 Component wise Breakup

Component wise Breakup									
S. No.	Component	Forest Land (Hact.)				Non-Forest Land (Hact.)			
		Tower Foundation	Stringing	Remaining ROW	Total Forest Land (Hact.)	Tower Foundation	Stringing	Remaining ROW	Total Forest Land (Hact.)
1	Lying of Transmission AJMER	0.0847	0.9374	1.9879	3.0100	1.8885	43.3929	125.6236	170.9050
2	Lying of Transmission NAGOUR	0.0211	0.2834	0.6055	0.9100				

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Area Calculation Sheet of 220KV D/C Ajmer-Bherunda Transmission Line										
S.No.	District - Ajmer					District - Nagour				
	Required Forest Length					Required Forest Length				
	Village Name	Forest Land Length (M)	Width (M)	Area (sqm)	Area (Hac.)	Village Name	Forest Land Length (M)	Width (M)	Area (sqm)	Area (Hac.)
1	Aradka	860	35	30100	3.01	Khundiya	260	35	9100	0.91

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Segment wise Area Calculation Sheet of 220KV Transmission Line Ajmer-Bherunda

S. No.	Alignment Details	Segment Details	Length (m)	Width (m)	Required Area (Sqm)	Required Area (Hectare)
1	Alternative Route-01	Segment 1A	905	35	31675	7.2625
		Segment 1B	1170	35	40950	
		Total				
2	Alternative Route-02	Segment 2A	365	35	12775	6.3000
		Segment 2B	1435	35	50225	
		Total				
3	Proposed Final Route	Segment A-B	1120	35	39200	3.92
		Total				

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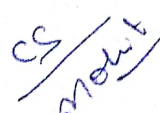
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COMPARATIVE STATEMENT OF ALTERNATIVE ROUTE OF 220 KV D/C AJMER - BHERUNDA LINE

Description	Proposed Route	Alternate route 1	Alternate route 2
Bee Line Length (km.)	37.890 km	37.890 km	37.890 km
Line Length (Km.)	49.95	36.95	41.25
No. Of angle points	44	30	37
Type of Land	Agriculture & Forest	Agriculture & Forest	Agriculture & Forest
Nos. of N.H Crossing	NIL	NIL	NIL
Nos. of Power line crossing	4	4	4
Nos. of Railway Line Crossing	Nil	NIL	NIL
Nos. of River Crossing	1	1	1
Line Length involved in forest Area (km)	1.120 KM	0.905+1.170=2.075KM	0.365+1.435=1.800KM
Forest area required to be diverted (Hact.)	3.9200 Hac	7.2625 HAC	6.3000HAC

From the above comparative statement , it is evident that the involvement of forest area is minimum in Proposed route.
Hence. The Proposed Route is best suitable route for 220 KV D/C AJMER - BHERUNDA line.


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