

(1) Comparative Statement of Alternatives. For FCA of 66KV LILO line for Jirval sub-station with Dog conductor on D/C Panther Tower line.

Village	Taluka	District		Total Hac(Forest+ Non forest)	Total Hac. Of Forest Land	Total Hac. Of Non- Forest Land	Area in Hectors.	Remarks
Kajli	Kaprada	Valsad	Route-1 (Final)	1.0620	0.2250	0.8370	1.0620	
			Route-2	1.2170	0.3500	0.8670	1.2170	
			Route-3	1.6462	0.4102	1.2360	1.6462	
			Route-4	1.9820	0.0000	1.9820	1.9820	
Varoli Talat	Kaprada	Valsad	Route-1 (Final)	3.3750	0.0000	3.3750	3.3750	
			Route-2	3.8650	0.0000	3.8650	3.8650	
			Route-3	4.1230	0.0000	4.1230	4.1230	
			Route-4	3.9865	0.0000	3.9865	3.9865	
Bhandarkatchh	Kaprada	Valsad	Route-1 (Final)	2.7450	0.8910	1.8540	2.7450	
			Route-2	2.2617	1.3260	0.9357	2.2617	
			Route-3	1.9320	0.9983	0.9337	1.9320	
			Route-4	2.8240	1.6890	1.1350	2.8240	
Jirval	Kaprada	Valsad	Route-1 (Final)	3.0150	1.0530	1.9620	3.0150	
			Route-2	3.2360	1.5980	1.6380	3.2360	
			Route-3	3.5480	1.6590	1.8890	3.5480	
			Route-4	2.9020	0.9370	1.9650	2.9020	
Total of Route No-1 (Final)				2.1690		8.0280	10.1970	66KV LILO for Jirval sub-station Dog conductor on D/C Panther Tower (Total Length-5.665KM) and Forest Length-1.205KM (with 04 Nos Tower)
Total of Route No-2				3.2740		7.3057	10.5797	
Total of Route No-3				3.0675		8.1817	11.2492	
Total of Route No-4				2.6260		9.0685	11.6945	

(2)Comparative Statement of Alternatives. For FCA of 66KV LILO line for Nandgam sub-station with Dog conductor on D/C Panther Tower line.								
Village	Taluka	District		Total Hac(Forest+ Non forest)	Total Hac. Of Forest Land	Total Hac. Of Non- Forest Land	Area in Hectors.	Remarks
Dabkhal	Kaprada	Valsad	Route-1 (Final)	6.4350	4.0410	2.3940	6.4350	
			Route-2	7.4560	4.8690	2.5870	7.4560	
			Route-3	7.3290	4.9680	2.3610	7.3290	
			Route-4	7.8730	4.9800	2.8930	7.8730	
Nandgam	Kaprada	Valsad	Route-1 (Final)	5.1300	3.0960	2.0340	5.1300	
			Route-2	6.3940	3.8560	2.5380	6.3940	
			Route-3	6.6816	3.9879	2.6937	6.6816	
			Route-4	7.0120	3.8890	3.1230	7.0120	
Total of Route No-1 (Final)					7.1370	4.4280	11.5650	66KV LILO for Nandgam sub-station Dog conductor on D/C Panther Tower (Total Length-6.425KM) and Forest Length-3.965KM (with 11 Nos Tower)
Total of Route No-2					8.7250	5.1250	13.8500	
Total of Route No-3					8.9559	5.0547	14.0106	
Total of Route No-4					8.8690	6.0160	14.8850	

(3)Comparative Statement of Alternatives. For FCA of 66KV Astol-Ghanveri line for 66KV Ghanveri sub-station with Dog conductor on D/C Panther Tower line.								
Village	Taluka	District		Total Hac(Forest+ Non forest)	Total Hac. Of Forest Land	Total Hac. Of Non- Forest Land	Area in Hectors.	Remarks
Astol	Kaprada	Valsad	Route-1 (Final)	4.5360	2.5110	2.0250	4.5360	
			Route-2	5.1840	2.8190	2.3650	5.1840	
			Route-3	5.2923	2.8800	2.4123	5.2923	
			Route-4	5.3570	2.7890	2.5680	5.3570	
Pendhardevi	Kaprada	Valsad	Route-1 (Final)	4.4730	3.5190	0.9540	4.4730	
			Route-2	5.1446	3.8236	1.3210	5.1446	
			Route-3	5.2995	3.9650	1.3345	5.2995	
			Route-4	5.4156	3.9806	1.4350	5.4156	
Eklera	Kaprada	Valsad	Route-1 (Final)	3.2490	2.3220	0.9270	3.2490	
			Route-2	3.9640	2.6350	1.3290	3.9640	
			Route-3	4.2840	2.8410	1.4430	4.2840	
			Route-4	4.3090	2.9360	1.3730	4.3090	
Bamanwada	Kaprada	Valsad	Route-1 (Final)	3.7620	1.6650	2.0970	3.7620	
			Route-2	4.1763	1.7890	2.3873	4.1763	
			Route-3	4.3928	1.8960	2.4968	4.3928	
			Route-4	4.6230	1.9650	2.6580	4.6230	
Terichikhali	Kaprada	Valsad	Route-1 (Final)	4.2030	2.1690	2.0340	4.2030	
			Route-2	5.1420	2.4890	2.6530	5.1420	
			Route-3	5.4050	2.5320	2.8730	5.4050	
			Route-4	5.6514	2.6950	2.9564	5.6514	
Ghanveri	Kaprada	Valsad	Route-1 (Final)	2.2680	0.1440	2.1240	2.2680	
			Route-2	3.0074	0.3624	2.6450	3.0074	
			Route-3	3.3485	0.4785	2.8700	3.3485	
			Route-4	2.9722	0.6592	2.3130	2.9722	

Total of Route No-1 (Final)	12.3300	10.1610	22.4910	66KV 66KV Astol-Ghanveri S/C Dog conductor on D/C Panther Tower (Total Length- 12.495KM) and Forest Length-6.850KM (with 25 Nos Tower)
Total of Route No-2	13.9180	12.7003	26.6183	
Total of Route No-3	14.5925	13.4296	28.0221	
Total of Route No-4	15.0248	13.3034	28.3282	

Comparative Statement of Alternatives. For FCA Total summary of FCA proposal for 66KV Jirval,Nandgam,Ghanveri Line -21.6360 Hec				
Route No	Total Hac. Of Forest Land	Total Hac. Of Non- Forest Land	Area in Hectors.	Remarks
Total of Route No-1 (Final)	21.6360	22.6170	44.2530	Remarks :- Route No-2,3,4 are has more trees and also technically not feasible for tower spotting and Electrically ground clearances per indian Electrical rules due to heavy uneven terrian and not approchable due to big Khin -kotar and residence.
Total of Route No-2	25.9170	25.1310	51.0480	
Total of Route No-3	26.6159	26.6660	53.2819	
Total of Route No-4	26.5198	28.3879	54.9077	


 Executive Engineer(Const)
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