

# COST & BENEFIT ANALYSIS FOR 132 KV D/C TRANSMISSION LINE (ROUTE)

## 132KV D/C WELSPUN TO PRATAPGARH GSS ROUTE SURVEY

DESCRIPTION	BEE LINE	ALTERNATIVE-1	ALTERNATIVE-2	ALTERNATIVE-3
Color In Map	MAGENTA	RED	BLUE	CYAN
Total Length	8.116 KMS.	8.723 KMS.	9.397 KMS.	11.5359 KMS.
Cost Per KM (in Lacs)	48.4	48.4	48.4	48.4
Total Cost (in Lacs)	392.82	422.20	454.82	558.34
Differential Cost w.r.t BEE Line (in Lacs)	0	29.38	62.0	<b>165.53</b>
<b>Conclusion</b>	<p>Alternative – 3 has been selected based upon following reasons:</p> <ol style="list-style-type: none"> <li>1. Considering the minimum forest area involved, less population density, avoiding human &amp; animal habitats. Even though number of Power crossings are high, and length of the transmission line is also 30 - 40% more.</li> <li>2. At Present any attempt to change the angle of deviation of Transmission Towers falling in particular patch of Forest will result in failure of power line crossing and hence making laying of Transmission line unfeasible.</li> </ol>			

