

### चेक लिस्ट क्र.-43

विद्युत लाईन से संबंधित प्रकरणों में एक स्थल से दूसरे स्थल तक टावर ले जाने का मानचित्र तथा तीन विकल्प में न्यूनतम प्रभावी वन क्षेत्र का विवरण (भारत सरकार, क्षेत्रीय कार्यालय, भोपाल का पत्र क्रमांक 6-CHC 022/2010-BHO/934 दिनांक 24.05.2010)

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विद्युत पारिषण लाईन निर्माण हेतु धरमजयगढ़ वनमण्डल में व्यपवर्तन हेतु आवेदित वन एवं राजस्व वन भूमि 58.694 हेक्टेयर के अन्तर्गत पहुँच मार्ग का उपयोग किया जायेगा। प्रथक से टावर एवं आवश्यक निर्माण सामग्री ले जाने हेतु वन भूमि की आवश्यकता नहीं है।

विद्युत पारिषण लाईन के निर्माण हेतु प्रस्तावित तीन विकल्पों में से न्यूनतम प्रभावित वन क्षेत्र का चयन किया गया है। तुलनात्मक विवरण संलग्न है।

कृते गोवा तमनार दसमिशन प्रोजेक्ट्स लिमिटेड

निशान्त आचार्य  
उप प्रबंधक (प्रोजेक्ट्स)



उपवन मण्डलाधिकारी  
धरमजयगढ़, उपवन मण्डल

वन परिक्षेत्राधिकारी  
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वनमण्डलाधिकारी

धरमजयगढ़ वनमण्डल

**Routes Comparison Statement for all 3 Routes for 765 KV D/C Dharmjaigarh -Raigarh(Tamnar) Pool Transmission Line**

SL No	Description	Alternate I (Proposed)	Alternate-II	Alternate-III
1	BEE Line Length (KM)	61.650	61.650	61.650
2	Route Length (KM)	69.130	70.700	70.300
3	No. of Angle Points	47	48	58
4	Length of line in Forest area(km)	20.450	24.621	34.077
5(i)	Reserved/Protected/Revenue Forest Area(Ha)	137.014	164.961	228.316
5(ii)	Number of Trees enumerated	Trees=41212/Bamboos=20/Pollards=803	Trees=49655/Bamboos=35/Pollards=990	Trees=69760/Pollards=1370
5(iii)	Number of Trees Affected	Trees=12908/Bamboos=3/Pollards=284	Trees=14825/Bamboos=15/Pollards=453	Trees=21875/Pollards=1865
6	Density of trees other than forest	Medium	High	High
7	Wild Life Sanctuaries / National Parks	NIL	NIL	NIL
8	Endangered species if any	Nil	NIL	NIL
9	River Crossing (Major)	1 Nos	1 Nos	1 Nos
10	National Highway	1 Nos	1 Nos	1 Nos
11	Railway Crossing	2 nos	2 nos	2 nos
12	Major Power Line Crossings (132 KV and Above)	8 nos	6 nos	7 nos
a	132kv lines	3 nos	---	3 nos
b	220 kv LINE	2 nos	2 nos	2 nos
c	400 KV line	1 nos	2 nos	1 nos
d	765 kv line	2 nos	2 nos	1 nos
13	Places of Archeological Importance	NIL	NIL	NIL
14	Terrain condition	Plain Terrain with undulations and mixed with Hilly terrain	Plain Terrain with undulations and mixed with Hilly terrain	Plain Terrain with undulations and mixed with Hilly terrain
15	Places of historical / cultural / religious / tourist importance	NIL	NIL	NIL
16	Line Pass through any Town/ City	No	NO	NO
17	Line Pass through any Defence establishments	No	NO	No
18	Coal Belt areas	No	Exist	No

**Results & Conclusions**

Referring to comparative statement for alternative routes and angle point summary, Route 1(Proposed) crosses the Bee-line in three places, Route 2 and Route 3 is positioned in left side & right side of Bee-line. After initial inspection of physical maps updated with satellite images and walk over survey, all three corridors were explored for the best & optimum route alignment. Special attention has been given to the existing EHV lines, Protected forest, Reserved forest, river crossings, railway crossings, national highways, minimum route length and habitation. In route-II the route traverses through operational mining & Coal block areas, whereas route-I traverses outside corridor of mining & coal block areas. In route-III dense Reserve & Protected forest exist. After detailed analysis, Alternate 1 has been observed as most viable route for alignment due to the proximity to the main thoroughfares in the area, construction as well as operation & maintenance problems would be much less in route-1.