



DETAIL NOTE ON PROJECT FOR JUSTIFICATION FOR AREA SELECTION

In consideration of the requirements of environment parameter, construction methodologies to be adopted for different terrain encountered en-route, design & engineering factor, availability of logistic support during construction, operation & maintenance of life, various feasible route were identified by M/s. Chhattisgarh State Power Transmission Company Ltd. Based on system study, desk review, topographic-map, Forest map, existing publication materials, walkover survey augmented by GPS. During route alignment all possible effort are made to avoid the forest area involvement completely or to keep it to the barest minimum. Moreover, in Protected / Reserved forest area trees are felled only in below each conductor to facilitate stringing. On completion of construction only on such strips is maintained for O & M purpose. And direct or indirect approximately 35 villages approximately 2.5 lacs people can get benefit from the project. These are of Raigarh, Tamnar & Ghorghoda Tehsil area so remote area and tail end of Chhattisgarh State and required to be developed as per Government of Chhattisgarh TASP scheme and after commissioning 132KV D/C Gerwani to Korichhapar (TSS) line remote area of Pali, Delari, Saraipali, Bhuikuri, Charratangar, Amlidih, Baihamuda, Teram & Faguram around these villages will get quality and continuous power supply from our line. (Total **7.011 ha** Diversion of Forest land required)

Factors considered

- i) The route of the proposed transmission line does not infringe any human habitation.
- ii) Any monument of cultural or historical importance is not affected by the route of the transmission line.
- iii) The proposed route of transmission line does not create any threat to the survival of any community with special reference to Tribal Community.
- iv) The proposed route of transmission line does not establishment etc.
- v) The line route does not pass through any sanctuaries, National Park etc.
- vi) The line route does not infringe with area of natural resources.

Sensitive area and settlements at execution stage

1. As a rule, alignment are generally kept 10-15 KM away from major towns, whenever possible, making a provision of future urban expansion.
2. Similarly, forests are avoided to the extent possible, and when it is unavoidable, a route is selected in consultation with the local Divisional Forest Officer, that causes minimum damage to existing forest resources.
3. Selected Alignment do not infringe wetlands and unstable areas for both financial and environmental reasons, Additional care has to be taken to avoid National Parks and sanctuaries any other forest area inhabited by wild life. Keeping above factors in mind three alternative routes are proposed. As such, different alternatives were studied with the help of Govt. Published data like Forest atlas, Survey of Indian

topo maps, satellite imageries etc. To arrive at most optimum route which can be taken up for detailed survey and assessment of environment and social impacts for their proper management.

The details of final approved route

Sr No.	Description	Final Route
1	Line Length	40.620 KM
2	Class of forest (R.F. / P.F/)	R.F.:- 7.011 hectare
3	Transportation & Maintenance	100%
4	Hilly Terrain Area	Nil
5	Power line crossing	10
6	Railway Line Crossing	2
7	Minor River Crossing	2
8	Plain Terrain	100%
9	Undulated Land	Nil
10	Creek Area	Nil
11	Marshy Area	Nil
12	Special Tower (FDN)	Nil
13	Population	Avoided
14	Major Cities	Avoided
15	Densely Populated Area	NIL
16	Air Port	NIL
17	Sanctuary Area	NIL
18	Defence Area	NIL
19	Major Road Crossing	2
20	Major Canal Crossing	NIL

**JUSTIFICATION FOR SELECTING THE PROPOSED ROUTE FOR THE COSTRUCTION OF
132KVD/C GERWANI – KORICHHAPAR (TSS) LINE BY CSPTCL IN DISTRICT RAIGARH OF
CHHATTISGARH STATE**

132KV D/C GERWANI – KORICHHAPAR (TSS) LINE

Sl No	Description	Alignment-1	Alignment-2	Alignment-3
1	Length (In km)	40.620	37.790	35.600
2	Name of District through which line passes (Chhattisgarh)	Raigarh	Raigarh	Raigarh
3	Town in Alignment (Near By)	Pali,Delari,Saraipali,Haridih, Charratnagar,Amlidih, Teram, Baihamuda,Faguram	Pali,Delari,Saraipali,Haridih, Charratnagar,Amlidih, Teram , Baihamuda,Faguram	Pali,Delari,Saraipali,Haridih, Charratnagar,Amlidih, Teram , Baihamuda,Faguram
4	Forest Area involved	7.011 Ha.	8.937 Ha.	10.7676 Ha.
5	Historical / Cultural monument	Nil	Nil	Nil
6	Any other relevant information	Minimum line length, in forest area, and no tree felling	Maximum line length, forest area	Maximum line length in forest area
7	Reason for selection of Route1 as the proposed route	Minimum length, less ROW, Minimum forest area, Minimum tree felling, No Wildlife / Eco-Sensitive Zone		

Date: 01.02.2020



Executive Engineer
EHT (C) Dn. CSPTCL
Bilaspur

Signature:

Place: Raigarh

Name In Block Letter: **R.K SHUKLA**

Designation: **EXECUTIVE ENGINEER**

Address of Agency: **CHHATTISGARH STATE
POWER TRANSMISSION COMPANY LIMITED
(CSPTCL)**