


**Justification of selected Route for 400 kV D/C Tanda - Gonda Transmission Line**

Out of many alternative routes, most suitable and techno-economically route has been selected considering the following parameters;

- 1.0 The selected route is so close in proximity of the bee- line as far as practicable.
- 2.0 Minimum loss of forest, endangered flora and fauna, rich orchard, nurseries etc.
- 3.0 Optimal no. of angle points by avoiding multiple crossing of the same transmission line, minimum no. of railway / power /line / river/ road/ canal crossings.
- 4.0 Avoidance of waterlogged / marshy land, area with collapsible soil strata, densely populated areas, air funnelling pathway of Defence Aerodrome / civil airport, religious monuments, heritage sites and other sensitive areas.
- 5.0 The distance between consecutive angle points is so kept in order to optimize no. of intermediate suspension tower.
- 6.0 All the river crossings have been carefully selected considering stability of soil strata at individual tower pile foundation location and after exploring possibility of crossing the river using DD type tower / with extra high extension +18/+25
- 7.0 Accessibility of the transmission line towers along the route for maintenance point of view.

  
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