

Full title of the Project: 132 KV D/C Talheri TSS (DFCCIL)- Jarauda Nara TSS (Railway) Transmission line falling in Saharanpur & Muzaffarnagar District (Uttar Pradesh)". (Total Line Length – 47.826 Km).

Forest Land Diversion Area: Total PF Area 0.1701 Hectare in Muzaffarnagar forest division

COMPARATIVE STATEMENT OF ALTERNATIVE ROUTE ALIGNMENT ANALYSIS

S. No.	Description	Route 1 (Proposed Route)	Route 2	Route 3
1	Route Details			
(i)	Transmission Line Bee Line	40.675 Kms.	40.675 Kms.	40.675 Kms.
(ii)	Transmission Line Route Length	47.826 Kms	52.084 Kms.	48.148 Kms.
(iii)	Angle Points	27	27	27
(iv)	Terrain	Mostly plain, not susceptible to land erosion	Mostly plain with three sections susceptible to land erosion	Plain (Marshy/Submerged Soil Strata) not susceptible to land erosion
2	Environment & Forest			
(i)	Protected Areas involved (WLS, NP, BR etc.)	NIL	NIL	NIL
(ii)	Eco –Sensitive Zone/ Buffer Zone	NIL	NIL	NIL
(iii)	Forest Area involved (Ha.)	0.1701 ha	0.202 ha	0.187 ha
(iv)	Type of Forest	Mostly PF (declared Alongside State Highway and National Highway (02 Nos.)	Mostly PF declared Alongside State Highway and National Highway (02 Nos.)	Mostly PF declared Alongside State Highway and National Highway (02 Nos.)
(vi)	Tree Involved in Private Land	Most of the trees coming in this alignment are of small height but a few trees may require	Most of the trees coming in this alignment are of small height but a few trees may require	Most of the trees coming in this alignment are of small height) but a few trees may require cutting/ pollarding.



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		pollarding. Although this requirement is lowest in this alignment.	pollarding/ cutting.	
3	Technical Feasibility			
(i)	Ease of Construction	Good roads, less forest land involved, away from habitation & orchards	Good roads, most forest land involved, away from habitation but near orchards	Good Roads, least forest land involved,
(ii)	Ease of Maintenance	Easiest alignment to maintain because of good roads, least forest land involvement, being away from habitation & orchards	Easy to maintain because of good roads, being away from habitation & orchards but involvement of forest land is highest amongst the tree alignments	Easy to maintain because of good roads, being away from habitation & orchards
4	Conclusion	Route 2 involves least forest land with involves 0.202 ha Of route length in forest area & Route-3. Involves 0.187 ha Of route length in forest area. As per Supreme Court orders dated 14.2.2000, 25.11.2005 and 14.9.2007, in 202/1995 and MoEFCC guidelines dated 10.04.2015 for activities in NP & WLS, any non forestry activity can be allowed in Protected areas only under exceptional Circumstances with prior approval of Standing Committee of National Board of Wild Life. Route 2 & 3 Is having more forest land & trees. Because of this		


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		reason, Route 2 & 3 is rejected. Route 1 involves lesser forest land & trees, is the easiest to construct & maintain & is away from habitation & orchards. Hence route 1 is the preferred route
5	Recommendation	Route 1 is proposed for construction in view of the above.



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