

**Justification for selection of Alternative-I for construction of Diversion portion of 400 KV Talcher -Meramundali Line from Loc 29 to 32 due to proposed railway line by East Coast Railway.**

**Comparative statement of route alignment alternate-I, II & III**

SL NO	DESCRIPTION	ROUTE-I	ROUTE-2	ROUTE-3
1	<b>Route particulars</b>	Double Circuit	Double Circuit	Double Circuit
i	Line Length	1.62 <del>7</del> Kms	1.95 Kms	2.20 Kms
ii	No. of towers	6	7	8
2	<b>Forest Details</b>			
a	Area of forest involved, Ha	3.42 Ac i.e 1.384 Ha	7.5 Ha	8.3 Ha
b	Density of forest	0.05	0.2	0.2
c	Type of Fauna & Flora	Sal, Char, Mahua, Neem, Bel, Tal, etc.  Likewise Snakes, wild Pig, Barking Bear, Bear, Jackal, Fox and Hare are seen in the locality.	Sal, Char, Mahua, Neem, Bel, Tal, etc.  Likewise Snakes, wild Pig, Barking Bear, Bear, Jackal, Fox and Hare are seen in the locality.	Sal, Char, Mahua, Neem, Bel, Tal, etc.  Likewise Snakes, wild Pig, Barking Bear, Bear, Jackal, Fox and Hare are seen in the locality.
d	Any other environment sensitive area	No	No	No
e	Wild life area/ Biosphere reserve	No	No	No
e	Endangered species if any	No	No	No
f	Historical/Cultural monument	No	No	No

*RLL*  
( R.L. Panda )  
Sr. GM.



3	Other Details			
A	House with ROW	Nil	Nil	Nil
4.	<b>No. of Crossings</b>			
A	Railway	01 (New)	01 (New)	01 (New)
B	Power line	0	0	0
C	River	0	0	0
D	Coal belt/pipe Line/ Gas Line	Nil	Nil	Nil

**Note:**

As per details given above, it is observed that the route Alignment Alt-I has least line length in forest corridor, least involvement of forest land, least forest density etc. In view of this the ALT-I has been chosen for construction of line.

*RL*  
C. R. L. Pandey  
Sr. GM.

