

**JUSTIFICATION AND COMPARISON FOR INVOLVEMENT OF FOREST LAND IN
CONSTRUCTION OF MOHANPUR - HANSDIHA NEW BG RAIL LINE**

1. Between TWO FIXED POINT OF Hansdiha and Mohanpur, a number of alternative alignment were done to explore the feasibility of the most economical with consideration to avoid village and forest settlement as far as possible in Final location Survey. The alignment has to be passed through Kakani, Babupur and Khariyadih as there are the station/Halt proposed to facilitate the people of the area served.

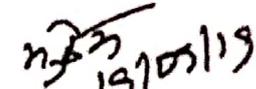
2. The present route is the best possible route keeping in mind the minimum disturbance to the forest land, local habitat and fulfilling the objective of the project in touching the populated areas. The forest land covers a vast area and to bypass it the alignment of the Railway line would have detoured which would not served the full purpose of the proposed line, apart from being very costly and technically very difficult to construct due to passing through inhospitable terrain. However, alignment is chosen to disturb the minimum forest land.

3. Comparison of involvement of forest area :

As per one of the alternative route, the route was passing through the Bangalidih, Pathariya, Barmasiya, Asnaha Pahar, Ghutiyadundiya, Nawakurwa & Trikut Pahar Protected Forest area and Ghutiyadundiya, Khapchuanawakura & Erajibuturuadih Jangal Jhar area. A comparison of Forest area involved between PET survey route and Final Proposed route is tabulated below :

S.No.	As per Alternate Route Survey-1		As per Alternate Route Survey-2		As per Final Proposed Route	
	Village	Area of Forest Land in Hectare	Village	Area of Forest Land in Hectare	Village	Area of Forest Land in Hectare
1.	Bangalidih (PF)	1.50	Ranganiya (PF)	1.85	Baija (PF)	0.278
2.	Pathariya (PF)	1.45	Damariya (PF)	1.22	Amjora (PF)	0.593
3.	Barmasiya Jungle (PF)	1.00	Pathariya (PF)	1.05	Nawadih (PF)	0.527
4.	Asnaha Pahar (PF)	1.70	Barmasiya (Sakhu Jungle)	1.32	Haralatanr (PF)	1.428
5.	Ghutiyadundia (JJ)	0.05	Nawadih (PF)	1.09	Ghutiyadundia (JJ)	0.05
6.	Ghutiyadundia (PF)	2.189	Ghutiyadundia (PF)	3.08	Ghutiyadundia (PF)	2.189
7.	Khapchuanavkura (JJ)	0.337	Khapchuanavkura (JJ)	0.58	Khapchuanavkura (JJ)	0.337
8.	Erajibuturuadih (JJ)	0.114	Nawakurwa (PF)	0.15	Erajibuturuadih (JJ)	0.114
9.	Nawakurwa (PF)	0.225	Rampur (PF)	0.25	Nawakurwa (PF)	0.225
10.	Trikut Pahar (PF)	6.85	-	-	Rampur (PF)	1.718
11.	-	-	-	-	Rampur (JJ)	1.685
Total		15.415 Hectare	Total	10.59 Hect.	Total	9.144 Hectare


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