

## **JUSTIFICATION OF LOCATING THE PROJECT IN FOREST LAND**

This is a linear project. The alignment of Conveyor corridor (length - 18.5 km) from Pottangi Bauxite mines to Alumina Refinery Damanjodi under Koraput and Similiguda Tahasil in Koraput Forest Division has been fixed by the engineers of M/s. National Aluminium Company Limited. Considering the physiography of land pattern of the area as per guidelines of linear diversion two alternate routes have been examined and indicated on the Survey of India Topo sheet No. 65J/13, 65J/14 (E44K13, E44K14) to formulate a complete proposal. The study report of the entire three conveyor corridor route is given as under:

### **ALTERNATE LINE (1)**

- The topography is very rugged and difficult to approach.
- Approach roads for construction will occupy more forest area.
- The total length of the corridor is nearly 18.803 km.
- Approach road passes through dense forest cover.
- There will be a more transfer points due to level difference and turnings.
- The gradient of the corridor will be very steep & technically not acceptable.
- Economically not viable and practically not feasible for construction.
- This route is not acceptable.
- The total forest area covered by the corridor is about 75.178 Ha.

### **ALTERNATE LINE (2)**

- The topography is very rugged and difficult to approach.
- At various places, approach roads to access the corridor are required.
- The total length of the corridor is also nearly 21.189 Km.
- The route is not safe for taking machineries including ancillary equipments required for construction.
- The total forest area covered by the corridor is about 79.707 Ha.

### **PROPOSED LINE (3)**

This is the most acceptable route (PC-1) as per the survey work conducted by the team of experts. During the preliminary survey period the PC-1 is identified from the Satellite imagery and subsequently ground checked. The following are some of the observations for which the experts inclined to select this path.

- The total length of the corridor is nearly 18.5 km.
- Less vegetation cover and less number of trees are required to be felled.
- The approach road is existing for most part of the proposed corridor.
- Movement of workers and material at construction site is easy and safe for construction.
- Minimum forest area involved in the process of making approach road to conveyor corridor for construction and maintenance of the corridor and transportation with installation of machineries.
- Maintenance road can be built safely with the available gradient.

- Forest area involvement is estimated in minimum quantity based on the actual design of the superstructures.
- This will reduce the traffic load and pollution load.
- It does not encompass any agricultural land.
- It doesn't include any Wild life sanctuary or any National park.
- Diversion of Natural drainage is not coming under it.
- Rehabilitation of land oustees is not involved.
- The total forest area covered by the corridor is about 41.297 Ha.

Out of the three corridors examined, Proposed line (3) is acceptable and proposed for diversion of forest land.

Date :

For National Aluminium Company Limited

Place:

(K.K. Panda)

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