

Full Title of the Project: Diversion of 3.3 Ha forest Land for the Construction of the Car Maintenance Yard at Malvani (Charkop) and for Metro Piers for the Mumbai Metro Line 2-A

File No. :

Date of Proposal:

Cost-benefit analysis of the project

Name of Project : Mumbai Metro Line 2-B

The Metro Rail has advantage over the Road based network system

- **Low Carbon foot print:** Metro Energy Efficient Requires 1/5th energy per passenger km compared to road-based system
- **Eco Friendly:** Metro Rail generates no air pollution as it is driven on electric power.
- Metro Rail causes lesser noise level.
- **Less Land Requirement:** Occupies no road space if underground and only about 5 meter width of the road if elevated whereas for the same capacity it
- **Passenger Carriage Capacity:** Medium capacity system Carries same amount of traffic as 7 lanes of bus traffic or 24 lanes of private motor cars (either way).
- Is more reliable, comfortable and safer than road based system
- **Speedy commuting:** Reduces journey time by anything between 50% and 75% depending on road conditions.
- Metro rail is most energy efficient and tested system and has the capacity to carry high traffic PHPDT. Metro systems are superior to other modes because they provide higher carrying capacity, faster, smoother and safer travel, occupy less space, and are non-polluting and energy-efficient.
- **Employment Generation:** The Project would Generate direct employment generation in Mumbai and indirect employment all over the India.


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