

Project Note

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

The Mumbai Metropolitan Region Development Authority (MMRDA) was established in accordance with the Mumbai Metropolitan Development Act, 1974, on 26th January, 1975. MMRDA is engaged in long term planning, promotion of new growth centers, implementation of strategic projects and financing infrastructure development of Mumbai Metropolitan Region.

Mumbai Metropolitan Region (MMR) is one of the fast growing metropolitan regions in India. In MMR, public transport systems are overcrowded and the road network is congested as there is a large gap between the demand and supply. Mumbai, the financial capital of India, has witnessed phenomenal growth in population and employment. The trend is expected to continue in the future. Four-fold growth of population since 1951 has been largely accommodated in the suburbs. The physical characteristics of the City are such that the suburbs have been constrained to spread northwards only, and all transport facilities are concentrated within three narrow corridors. Currently major challenge is to provide connectivity and promote growth by providing additional infrastructure which would improve the quality of life of the residents.

To decongest the existing public transport systems and increase mobility across the Region a Master Plan for Mumbai Metro was prepared by MMRDA in 2004, which proposed implementation of metro corridors to decongest the city traffic and better connectivity in the MMR region.

Mumbai Metro line 2-B Line is part of the same Master plan prepared by the MMRDA. The Mumbai Metro line 2-A (Line 2-A) is Metro Line 2A proposed between Dahisar to D. N. Nagar is 18.60 km long and fully elevated with 17 stations. It will

connecting D. N. Nagar (Andheri West) with Dahisar via Goregaon (W), Malad (W), Kandivali & Borivali. The proposed line will also connects with Metro Line 7 at Dahisar, which will operate between Dahisar (E) & Andheri East. The metro line 2-A will provide inter charge at D N Nagar with Mumbai Metro Line 1, which is presently operating between Versova & Ghatkopar (E-W direction). Further it will also provide connectivity for Metro Line 10 between Dahisar & Mira Bhayander at Dahisar East. Thus this line will be vital for the easing of passenger on the Mumbai Suburban (Western line).

The Mumbai Metro line 2-B has been granted the administrative approval by The Government of Maharashtra vide its government resolution No **MMRDA-3315/Project No 41/UD-7** dated 17th October 2016. The project has been declared as **“Public project of urgency”** and **“Vital urban transportation Project”**.

The proposed project is scheduled to be completed in 42 months from April 2015 to March 2019. The completion cost of the project is Rs. 6410 Cr. The proposed Metro line is expected to have daily ridership of 8.90 lacs /per day on 2021-22 and 10.49 lacs /per day by 2031-32.

Mumbai Metro line 2-A alignment has proposed a Car Maintenances yard at Malvani (Charkop) at Survey No 263 CTS No.6 A PT on 14.4 Ha Land. The Car Maintences yard is important component of the metro rail system and needs to be very close to the serving line. The car depot is used for the following functions:-

- 1) Major overhauls of all the trains.
- 2) All minor schedules and repairs of the rail coaches and trains.
- 3) Lifting for replacement of heavy equipment and testing thereafter.
- 4) Repair of heavy equipments in the

The proposed land for construction of the Car Maintenances Yard land has mangroves trees on the plot and as per Hon High Court Bombay order dated 06/10/2006 in the PIL No.87 OF 2006. The government land identified by the MRSAC mapping as Mangroves are declared as "protected Forest" and Privately Owned land is Notified as 'Forest'.

For the Mumbai Metro Line 2-A Project, Accordingly in MRSAC Mapping of mangroves area of around 3.0 Hectare (29534.83 Sq M) is required to divert for non-forest purpose in Survey No 263 CTS No: 6 A (Pt) At Village Malvani Taluka Borivali are marked as mangroves. The land being the government land hence as per above Hon Bombay High Court Order it is Protected Forest. Whereas at the line connecting the main line to Car Maintenances Yard for construction of the metro piers (3210 Sq M) land is required at Village Valanai Survey No 39 CTS 1 (Pt) land is also marked as mangroves. As per the property Card record the land is Private property, thus it is private forest. Hence total 3.3 Ha (32745 Sq M) land of Mangroves (forest land) is required diversion for the construction of Car Maintenances Yard for Mumbai Metro line 2 A.

. The project is important public utility transport project for the population of 150 million population of City of Mumbai. The Mumbai metro project would encouraging the people to take the public transport and thus reducing the pollution level of the Mumbai city


Nilesh Gaikwad
Sr Planner
Metro PIU



Mumbai Metropolitan Regional Development Authority