



## MAHARASHTRA METRO RAIL CORPORATION LIMITED (Pune Metro Rail Project)

### Rainwater harvesting and beautification of road Median Begins

Date: 27th Dec 2022



Pune: Pune Metro has planned and executed various measures for environmental conservation such as the replantation of trees on metro lines, planting of new trees, installation of solar panels on roofs of metro stations, water recycling plants, biodigesters, rainwater harvesting, planting of trees on

the medians, and constructing stations & other buildings confirming to IGBC platinum rating, etc.



Pune Metro has 2 lines comprising 33.2 km length from Pimpri Chinchwad Municipal Corporation (PCMC) Station to Swargate Station (Line 1) and Vanaz Station to Ramwadi Station (Line 2) of which 25 km is the elevated stretch. The line from PCMC to Khadki, Vanaz Station to Garware Station, PCMC to Civil Court, and RTO to Ramwadi are the elevated stretches of Pune Metro and they are constructed by erecting pillars in the median of the road. Since the metro work was ongoing, rainwater harvesting and beautification of the median were difficult. Both these works have been taken up by the Metro as the work of the Metro Elevated Line is almost completed.

The distance between the two pillars of the metro is 25 to 30 meters and its width is 2 to 2.25 meters. Pune Metro viaduct is 8 meters wide and 25 km long. If rainwater falling on such a large surface goes into the ground through rainwater harvesting, it will help raise the groundwater table to a large extent.



For this, Pune Metro has taken measures for rainwater harvesting in two pillars (alternate pillars) of the viaduct. The rainwater is brought to the settling chamber through the down take pipe and released into the soil through the fitter and bore well.



The Pune Municipal Corporation (PMC) has beautified the road medians by planting shrubs at various places. Along the same lines, Pune Metro has started the work to beautify the road medians by putting good soil and planting them. The beautification has also been planned along the lines of traffic islands so that there is no financial burden on the Pune Metro. While executing the beautification work, Pune Metro has decided to do it on a cost-neutral basis. Metro had floated tenders for the same. Vanaz Station to Garware Station and Pimpri Chinchwad Municipal Corporation Station (PCMC) to Harris Bridge and Civil Court Station to Ramwadi Station has been accepted and work awarded to a company.



Along with the beautification of the median, permission has been given to the company to put up two advertisement boards. In addition to this, the company has been asked to build vertical gardens on metro piers at important intersections in the city. The company has to maintain the trees, lawn and vertical garden in the divisions for up to 5 years. Due to this planning, with median beautification, Metro will also get non-fare box revenue.

On this occasion, the Managing Director of Maha Metro Dr Brijesh Dixit said, "Pune Metro is committed to environmental conservation. Pune city has a large number of trees and most of Pune is covered by dense vegetation. In line with this, Metro has taken up rainwater harvesting and beautification of the medians. This will only add to the beauty of the city."



