

Overhead U-Girder to Inaugurates at Bellandur Metro Station in Bengaluru

By **Staff Reporter** - 28/01/2023



Bengaluru Metro will make history as the first full overhead U-girder will be inaugurated close to the Bellandur Metro station on the Outer Ring Road Line. This girder, measuring 28 metres in length, is constructed in a yard in Gunjur.

A Metro official has stated that, rather than using cranes as in all past Bangalore Metro Rail Corporation Limited (BMRCL) projects, a launcher will be implemented to lift the girder above the work site and launch it along the Silk Board-KR Puram Line. This lift will take place every 3 or 4 km, and the girder is a crucial aspect of civil infrastructure since it supports the viaduct upon which the rails will be placed.

The official stated that the contractor AFCONS had prepared the U-girder, which weighed 160 tonnes, with Metro supervision. Working this way was much faster, as it only took them one day instead of the seven days the traditional approach of casting segments and then connecting them to form a girder required. Two U-girders were put in every span, and 13 spans have been completed so far, with the segments being joined together to make one unit at the site. The line will have 330 spans in total, the official added.

To ensure the completion of work between K R Puram and Baiyapanahalli Metro station on the Reach-1 Extension line, which is anticipated to be partially launched in March, the Senior Divisional Operations Manager of Bengaluru Railway Division has granted permission to BMRCL to execute tasks concerning the launch of its open web girder between the Carmelaram and Baiyappanahalli Metro stations. This line and power block will span a week, commencing on January 29, and will last for 22 hours.

BMRCL had planned to erect a 65m open web girder above the railway tracks; however, because the required preparatory work was not finished, they could not do so during the Line Block period from December 8 to 31, which had been initially approved by the railways.