



Pune: 9.1.2020



Today 1.4 km of Overhead Catenary system (the overhead electric cable from which metro train draws power), section Pier no 346 to Pier No 299, in Priority section Reach-1 was energised on 25KV, 50 Hz power supply. Total 114 electric pole portal has been installed in this section. All the necessary tests including short circuit tests on the Overhead Catenary System were conducted successfully and the system has been put in operation. It is to note that two trains are already placed on Viaduct, parked at pier no 350. The Trial Run of the trains on the Viaduct, through 25kV OHE Traction Power, will start from tomorrow 10.1.2020. The necessary Public Notice (as per statutory requirements) regarding energisation of the Overhead Catenary system on 25kV Power Supply was published in the daily local newspapers, dtd 27.12.2019. Also, the notices and danger boards have been placed at the stations, Platforms and other important locations to inform regarding energisation of the Overhead Catenary System on the Viaduct.



It is to highlight that for this 25KV power supply feed to the Overhead Catenary system on the Viaduct of Reach-1, the Traction Substation (TSS) has been constructed by MahaMetro at Vallabhnagar, opposite the bus stand. This TSS was already commissioned and energized by MahaMetro, after approval of Electrical Inspector, Government of Maharashtra, on 31.12.2019. Further, there is a Chief Electrical Inspector of MahaMetro, nominated from Government of India, who inspected and approved the 25kV Traction and Overhead Catenary System, before this energisation done. For the incoming supply to the TSS, two no. of 22kV express cable feeders, 6km distance, have been laid from Bhosari Grid Substation of MSEDCL to the MahaMetro TSS at Vallabhnagar, via power switching Station of MSEDCL at Sukhwani. The express feeders will ensure a reliable and uninterrupted power supply to MahaMetro TSS so that the train and station utilities will not be affected due to inadequate power supply. At the MahaMetro TSS at Vallabhnagar, two no. of Traction Power Transformers of 3/5 MVA capacity each, has been provided which output 25kV 50 Hz Traction Power Supply. This supply is fed from the TSS transformers to the Overhead Catenary System at the Viaduct through 25kV copper cables. These cables are lifted to the Viaduct with a special cable support arrangement at pier no. 309. The Traction Substation is provided with advanced protection and control and monitoring system for Traction Power Supply to OHE, which ensures the due protection of the OHE and the Traction Transformers in case of any fault in power supply. Pune metro has done wonderful progress in last 30 months and completion of metro pillars, span, rail laying, metro stations work, electrical substation, electric poles, overhead cables, charging of overhead cable works and introduction of metro train in record time is commendable task achieved in record time. Soon PuneKars will see the Metro train draws power from overhead cable and run on track. On this occasion Dr Brijesh Dixit, MD MahaMetro said " We will soon begin trials of metro train running and process for necessary approvals from RDSO, CMRS and Railway board".