Interview with Farnoush Nobakht, managing director of TUSROC and vice chairman of the BoD

What are the most important features of Tehran metro compared to metros of other countries?

Tehran metro has achieved a remarkable situation among other metros in the world and located the first rank in the Middle East thanks to Iranian hardworking experts, though, Tehran metro construction started later than some metros. So, the construction has not yet been fully completed. According to the planning of lines’ development, Tehran metro will be consist of 12 lines totally; 8 urban lines and 4 suburban lines with a total length of 430 km by the end of 2025.

At present, Tehran Metro is ranked first in the Middle East in line length, number of lines, number of stations, ticket price and station cleaning. Also, it stands 17th place in the world among the 163 metros in line length. Regarding ticket price index, Tehran Metro has the cheapest ticket in the world. As well, we have done some activities to reduce the headways of train movements, for instance, we recently had the trains’ headway decrement in line 7 changed from 12 to 10 minutes. This line, as a deepest urban line with 25 stations and 27 km length, operates with 10 stations and 20 km length at first phase. Moreover, the company considers decreasing the headways more and more in future for better services.

What is the role of Tehran metro in reducing air pollution and traffic problems?

According to statistics, in the first six months of the year 2018, travelling by metro has saved 195 million liters of gasoline and 19 million liters of diesel fuel, this saving reaches 4859 million liters of gasoline and 487 million liters of diesel fuel rather than the total ridership has been done from the beginning of operation to the end of September 2018.

In addition, trips done in Tehran metro in the first six months of the year 2018 presented exhaling 520,000 tons of CO2 in Tehran environment while trips done by Tehran metro during this period has prevented the release of 73,000 tons of gases like Co, NOX, So2, PM10 and HC.

How much energy consumption in Tehran metro resulted from renewable and clean energy?

There are 4 at-grade terminals in Tehran metro. We use solar energy to provide lighting in these places and public restrooms nearby, also the new generation of trains generates electricity in their braking times. This energy transfers to the next trains presently while it was being wasted as heat previously.