

KONČAR Signed a Contract for Delivery of 44 Trains to HŽ - Croatian Railways Passenger Transport

Zagreb, 30th January, 2014 –Ivan Bahun, KONČAR – Electrical Vehicles Inc. Managing Board President, and Dražen Ratković, HŽ – Croatian Railways Passenger Transport Managing Board President, formally signed a Contract for Purchase of 44 passenger trains in Zagreb Railway Station.

Zoran Milanović, the Prime Minister of the Government of the Republic of Croatia, Branko Grčić, the Deputy Prime Minister of the Government of the Republic of Croatia and the Minister of Regional Development and European Union Funds, Siniša Hajdaš Dončić, the Minister of Maritime Affairs, Transport and Infrastructure, Darinko Bago, the President of the Managing Board of KONČAR, KONČAR – Group Company Directors and others involved in the manufacture of trains were present at the ceremony.

Company KONČAR – Electrical Vehicles will deliver 44 passenger trains out of which 32 will be Electrical Multiple Units (16 for urban and suburban traffic and 16 for regional traffic) and 12 diesel – electrical trains to HŽ – Croatian Railways Passenger Transport.

The total value of the Contract amounts to HRK 1.63 billion. Company KONČAR – Electrical Vehicles won the International Invitation for Bids for 32 Electrical Multiple Units published in December, 2012 and the International Invitation for Bids for 12 diesel electrical trains published in January, 2013.

Trains will be delivered in accordance with the following time schedule:

- The first EMU will be delivered in March, 2015 and the thirty-second in August, 2016;
- The first Diesel Electrical Train will be delivered in September, 2015 and the twelfth in February, 2017.

Prototypes of the stated trains have been in regional, urban and suburban traffic for more than two years. Trains represent high tech industrial products developed by the Company KONČAR – Electrical Vehicles. Main train parts (electronic converters, transformers, control system and traction electric motors) were developed and manufactured in the KONČAR Group Companies: KONČAR – Institute for Electrical Engineering, KONČAR – Electronics and Informatics, KONČAR - Distributive and Special Transformers, KONČAR - Generators



and Motors. Some other companies belonging to the KONČAR Group as well as TŽV Gredelj and a representative number of Croatian and foreign companies participated in the manufacture of those trains.

Diesel electrical trains will be manufactured on EMU platforms providing for standardisation of the equipment enabling HŽ Passenger Transport easier usage and significantly lower exploitation and maintenance costs of trains.

Approximately 30 % of the value of trains will be spent for the import of parts and materials from specialised suppliers from the international market.

ABOUT LOW-FLOOR EMUs:

Electric Multiple Units represent four-part low-floor compositions with a driver cab and two central segments. Diesel electrical trains are three-fold low-floor compositions consisting of two drive units with a driver cab each one and a central segment.

The low-floor feature enables easier entrance of passengers from standard height platforms that is very important for persons with movement difficulties (small children, elderly people, wheel chairs and children carriages, etc.). The transport of bicycles, trolleys and similar is also possible. The ratio between seats and standees depends on the train purpose: the traffic flow is emphasised in urban and suburban trains, while the comfort, quality and diversity of the service is more important in regional trains. The train passenger room is a unique and spacious separated with partitions that do not close the room visually, but protect passengers from cold or hot air during opening of doors.

Trains are equipped with a modern air condition system. Window glasses are darkened due to the solar protection. The passenger information system announces stopping at stations sending GPS messages to displays and loudspeakers. The whole passenger area is video monitored.

EMUs and trains comply with international regulations and standards in force in the Republic of Croatia and abroad applicable to the public railway passenger transport. Purchase of new trains will result in better transport services and a higher safety level, availability of transport vehicles, the quality of the traffic and comfortable working places in the railway transport.



These EMUs and trains will also be an important reference not only for KONČAR, but also for other manufacturers participating in the project.

