

## Environmental and Social Data Sheet

### Overview

Project Name: 42 EMUS PROCUREMENT FOR MAV-START CO  
Project Number: 2015-0025  
Country: Hungary  
Project Description: The project is a major allocation under the Structured Programme Loan "COHESION FUND FL III PHASING RAIL INVESTMENTS (2014-0278)" and consists of the acquisition of 42 new units of rolling stock for passenger transport in the Budapest agglomeration.  
EIA required: no  
Project included in Carbon Footprint Exercise: no

### Summary of Environmental and Social Assessment, including key issues and overall conclusion and recommendation

The project does not fall under either Annex I or Annex II of the Environmental Impact Assessment directive 2011/92/EU, which is not applicable to manufacturing and use of rail rolling stock.

The project is expected to include some positive environmental impact by helping the railways to maintain modal share in key sections of the passenger markets. The new trains have the potential to generate significant energy savings, emission reductions and safety improvements compared to the old fleet. Rail transport may also improve noise levels on an aggregate basis.

The manufacture of these passenger trains is expected to take place in existing plants. The Promoter requires the passenger trains to be manufactured in accordance with the Technical Specifications for Interoperability (TSI) and applicable EU environmental regulations regarding noise emissions and safety as transposed in Hungary. Overall, the project complies with relevant EU and national environmental legislation.

### Environmental and Social Assessment

#### Strategic Environmental Assessment

The project falls under the Transport Operational Programme 2007-2013 for Hungary which has undergone Strategic Environmental Assessment.

#### Environmental Assessment

The project concerns the acquisition of 42 Electric Multiple Units (EMU). Hence the project does not fall under Annex I or II of directive 2011/92/EU.

The passenger trains will fulfil EU TSI interoperability standards. The design of the new EMUs has been assessed against the requirements of Directive 2008/57/EC on the interoperability of the rail system within the European Community. Also the maximum levels of noise for rolling stock for railways have been established by the Commission. The limits established should be applied to the new rolling stock.

The main benefit of the operation consists in improving the attractiveness of the railway service and contributing to the prevention of modal shift towards road transport. In the absence of such investments, rail service quality would deteriorate and the use of private cars

would proliferate bringing all the associated negative impacts in terms of energy consumption and associated emissions.

In addition, the new rolling stock will be equipped with the state-of-the-art technology and the operation of the new trains is expected to be more energy efficient than that of the existing trains which are mainly electric but also include some diesel trains. The new trains, however, will be fitted with additional energy consuming installations such as air conditioning, wifi, information displays and CCTVs. Thus only minor energy savings are to be expected.

The new rolling stock will meet the requirements concerning noise emissions bringing overall noise emissions of the lines down to a lower level.

Passenger compartments will be equipped with air conditioning, ensuring stable temperature in summer as well as winter. The compartments will have dedicated spaces for baby carriages, wheelchairs and bicycles and trains will have low platforms to ensure accessibility to persons with reduced mobility (TSI PRM).

The Promoter decommissions the trains to be scrapped according to its standard scrapping and sale of train procedure, ensuring a consistent handling of scrapping and sale of vehicles in line with their technical conditions, safeguarding operating safety and optimizing fleet structure. The Promoter usually has to outsource this activity to a registered company which takes charge of vehicle scrapping according to Hungarian national legislation.

New electric trains offer clean and high quality transport service. The purchase of new environmentally friendly trains contributes to increasing the attractiveness and safety of alternatives to private cars in Budapest and its vicinity. This creates the conditions for better regional coverage of the public transport service in the whole area. The purchase of environmentally friendly and energy efficient electric trains also directly contributes to the objectives set for Hungary being reached.