



TRACECA Investment Forum

ID: KG03

TRACECA PROJECT FICHE

1. ELECTRIFICATION OF THE RAILWAY SECTION LYGOVAYA – BALKYCHI

THE RAILWAY SECTION FROM THE BORDER OF THE KYRGYZ REPUBLIC WITH THE REPUBLIC OF KAZAKHSTAN – LUGOVAYA STATION UP TO BALKYCHI STATION, THE LAST STATION TO THE EAST FROM THE OPERATING RAILWAY IN THE NORTH OF THE REPUBLIC

N	Data	Description
1.	Baseline information	
	Name of the Project	Electrification of the railway section Lugovaya - Balykchi
	Sector	Transport sector covered by the Project: railway
	Location	The Kyrgyz Republic
2.	Project objectives	
2.1.	Main tasks	<ul style="list-style-type: none"> • Development of the Technical Feasibility Study; • Comprehensive consideration of the possibility of electrification of the railway section; • Evaluation of the need of reconstruction of the operating railways in the north of the Republic
2.2.	Project objective	Electrification of the railway section Lugovaya – Balykchi will make it possible to: <ul style="list-style-type: none"> • Improve the environmental situation in the region • Increase the degree of comfort of passengers’ travel;



		<ul style="list-style-type: none"> • Cut down the cost of transport by 25-30 %; • Reduce the consumption of the equivalent fuel by 1,5 – 1,8 times • Increase the average speed in the section by 10-13 km/hour • Increase the average weight of trains • Increase the capacity of the section.
2.3.	Assistance to the implementation of the National Development Plan	This project is not included in the National Development Plan, but its implementation will allow cutting down the costs for transportation in the north of the Republic, at the same time reducing the costs on repair, pollution of the environment, goods delivery rate.
2.4.	Trans-boundary impact	In the event of the implementation by the Kyrgyz Republic of the Project for the Construction of the railway China – Kyrgyzstan – Uzbekistan the operating railway in the north of the Republic will be connected with the designed railway which will allow transporting freight along the electrified railway line in the future.
3.	Description	
3.1.	History of development and Feasibility Study	Presently it is necessary to elaborate and to specify the Feasibility Study, to make calculations of the necessary volumes of investments,
3.2.	Related activities	



		project profitability and payback period
3.3.	Lessons learnt	
3.4.	Activity	
3.5.	Results/Performance	
4.	Project organization	
4.1.	Institutional structure	Elaboration / update of the Feasibility Study is needed
4.2.	Owner/Contracting party	State enterprise “National Company “Kyrgyz Temir Jolu”
4.3.	Organizational structure	Elaboration / update of the Feasibility Study is needed
5.	Detailed estimate 140 million euros (an additional evaluation is needed)	
6.	Perceived risks and constraints	Elaboration / update of the Feasibility Study is needed
7.	Implementation schedule	The Project can be subdivided into three main components: <ul style="list-style-type: none"> ➤ construction of a power grid, power supply sub-station and auxiliary equipment; ➤ rehabilitation of the railway tracks; ➤ purchase of electric locomotives, both freight and passenger locomotives.
8.	Environment	
9.	Profit norms	
9.1.	Financial profit norm (analysed period in years)	Presently it is necessary to elaborate and to specify the Feasibility Study, to make calculations of the necessary volumes of investments, the project profitability and the payback period.
9.2.	Economic internal rate of return	



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	(analysed period per years)	
9.3.	If there are any prepared Feasibility Studies (if yes – specify the date of their preparation)	2009
9.4.	Economic evaluation	Presently it is necessary to elaborate and to specify the Feasibility Study, to make calculations of the necessary volumes of investments, the project profitability and the payback period.
10.	Investment criteria	
10.1.	Source of finance	Presently it is necessary to elaborate and to specify the Feasibility Study, to make calculations of the necessary volumes of investments, the project profitability and the payback period.
10.2.	Co-financing	
10.3.	Additional sources	
10.4.	Degree of availability and project scope	
10.5.	Sustainability	
10.6	Conditions and subsequent actions	