

The National Railway Company "CFR" SA	CFR Network Statement	December 09, 2018 Version 8.0
Țara: Romania	Annex 24	Page: 1

## CFR DEVELOPMENT PROJECTS

The railway development projects, carried out by CNCF "CFR" -SA, with financing from non-reimbursable funds are:

### A. RIN - DANUBE CORRIDORS (BORDER - CURTICI - ARAD - BRAȘOV / CRAIOVA - BUCHAREST - CONSTANȚA)

#### I. PROJECTS IN IMPLEMENTATION

##### ***1. The Curtici-Arad-km.614 Border Section (project initially financed from the SOPT 2007-2015, currently from the state budget)***

**Technical data:** rehabilitation of 41,185 km

**Source of funding:** Cohesion Fund + State Budget

**Value of works:** 1,080.48 mil. lei (excluding VAT)

**Physical status:** 99,00%

##### ***2. Rehabilitation of CF Coșlariu - Simeria railway line (74,43 km) - phased project (Phase I - financed from POST 2007-2013, Phase II - funded from 2014-2020)***

###### ***2.1. Section Simeria - Vințu de Jos:***

**Technical data:** rehabilitation 29,137 km

**Source of funding:** Cohesion Fund + State Budget

**Value of works:** 1,350.52 mil. lei (excluding VAT)

**Physical Stage:** 97.03%

###### ***2.2. Section Vințu de Jos - Coșlariu:***

**Technical data:** rehabilitation 28 km

**Source of funding:** Cohesion Fund + State Budget

**Work value:** 766,92 mil. lei (excluding VAT)

**Physical Stage:** 89.04%

##### ***3. Rehabilitation of CF line Coșlariu - Sighișoara, (89,50) km - phased project (Phase I - financed from POST 2007-2013, Phase II - financed by POF 2014-2020)***

**Technical data:** 63,46 km of railway line and 26,04 km of newly constructed double railway.

###### ***3.1. Section Coșlariu - Micasasa***

**Technical data:** Rehabilitation of 36,6 km CF lines

**Source of funding:** Cohesion Fund + State Budget

**Value of works:** 721,85 mil. lei (excluding VAT)

**Physical Stage:** 99.70%

###### ***3.2. Section Micasasa - Atel***

**Technical data:** rehabilitation 29,81 km CF lines

The National Railway Company "CFR" SA	CFR Network Statement	December 09, 2018 Version 8.0
Țara: Romania	Annex 24	Page: 2

**Source of funding:** Cohesion Fund + State Budget

**Value of works:** 747,50 mil. lei (excluding VAT)

**Physical Stage:** 95,70%

### **3.3. Section Ațel - Sighișoara**

**Technical data:** Rehabilitation 28,22 km CF lines

**Source of funding:** Cohesion Fund + State Budget

**Work value:** 866,79 mil. lei (excluding VAT)

**Physical Stage:** 96,80%

### **4. Works ERTMS, GSM-R, CE: Simeria - Sighișoara**

**Source of funding:** Cohesion Fund + State Budget

**Value of works:** 498,29 mil. lei (excluding VAT)

**Physical Stage:** 75% for the Simeria - Coșlariu section, 80% for the Coșlariu - Sighișoara section

### **5. Rehabilitation project of CF km 614-Gurasada-Simeria (project financed from POI 2014-2020)**

**Technical data:** rehabilitation of 144 km of a railway line between Simeria and km 614, including all related structures and ancillary works, and ERTMS / ETCS level 2 introduction.

#### **a. Subtrons 2a: Km 614- Cap Y Bârzava**

**Technical data:** rehabilitation of 41,912 km of railway

**Source of funding:** POIM 2014-2020

**Value of works contract execution:** 1,689.96 mil. lei (excluding VAT)

**Physical Stage:** 6,04%

#### **b. Subtrons 2b: Cap Y Bârzava - Cap Y Ilteu**

**Technical data:** rehabilitation of 36,042 km of railway

**Source of funding:** POIM 2014-2020

**Value of works contract execution:** 1,763.39 mil. Lei (excluding VAT)

**Physical Stage:** 5,16%

#### **c. Subtrons 2c: Cap Y Ilteu - Cap Y Gurasada**

**Technical data:** rehabilitation of 22,341 km of railway

**Source of funding:** POIM 2014-2020

**Value of works contract execution:** 1,468.98 mil. Lei (excluding VAT)

**Physical Stage:** 1,32%

#### **d. Trons 3: Cap Y Gurasada - Cap Y Simeria**

**Technical data:** rehabilitation of 40,883 km of railway

**Source of funding:** POIM 2014-2020

**Value of works contract execution:** 2,636.52 mil. Lei (excluding VAT)

**Physical Stage:** 5,04%

The National Railway Company "CFR" SA	CFR Network Statement	December 09, 2018 Version 8.0
Țara: Romania	Annex 24	Page: 3

## **II. PROJECTS - PARTS OF THE RHINE-DANUBE CORRIDOR , WHICH ARE IN THE PUBLIC PROCUREMENT STAGE**

### **1. Rehabilitation of the Simeria-Braşov railway line, part of the Rhine-Danube Corridor, for the maximum speed of 160 km/h, section Braşov - Sighişoara, subsections: 1. Braşov - Apaţa and 3 Caţa - Sighişoara**

**Technical data:** Modernization of Braşov - Apaţa (38 km) and Caţa - Sighişoara (47 km) railway sections to European standards regarding the technical specifications for interoperability (maximum speed 160 km / h, ERTMS / ETCS level 2, 22,5 t, facilitation of access for persons with reduced mobility).

**Funding Source:** CEF 2014-2020 + State Budget for Works Execution

**Value of works:** 3.190,57 mil Lei (excluding VAT)

**Stage:** - For expropriation activity - at the stage of implementation of the service contract.

- For supervision work: the contested procurement procedure.
- For the ERTMS works and implementation work: (SEAP No 171875 / 06.12.2016) the contested procurement procedure.

### **2. Rehabilitation of the Braşov-Simeria railway line, part of the Rhine-Danube Corridor, for the maximum speed of 160 km / h, section Braşov - Sighişoara, subsections: 2. Apaţa - Caţa**

**Technical data:** upgrading Apaţa - Caţa (28 km) railway section to European standards on technical specifications for interoperability (maximum speed 160 km / h, ERTMS / ETCS level 2, 22.5 t axle load, with reduced mobility)

**Funding Source:** CEF 2014-2020 + State Budget

**Value of works:** 2.867,94 mil Lei (excluding VAT)

**Stage:** - For expropriation activity - at the stage of implementation of the service contract.

- For works supervision: phase procedure in analyzing submissions.
- For the ERTMS works and implementation work: the contested procurement procedure.

### **3. Rehabilitation of Braşov railway line - Predeal**

**Technical data:** Rehabilitation of 26,9 km railway line

**Funding source:** CEF 2014-2020+ State Budget

**Value of works:** 19,50 mil Lei (excluding VAT)

**Stage:** is in the public procurement procedure.

### **4. Modernization of the railway infrastructure in port of Constanta**

**Technical data:** Rehabilitation of 26,9 km railway line

**Funding source:** CEF 2014-2020+ State Budget

**Estimated value of the Feasibility Study:** 12,32 mil Lei (excluding VAT)

**Stage:** is in the public procurement procedure.

## **B. ORIENT / EST-MEDITERRANEAN CORRIDOR (Arad - Timişoara - Craiova - Calafat)**

The National Railway Company "CFR" SA	CFR Network Statement	December 09, 2018 Version 8.0
Tara: Romania	Annex 24	Page: 4

## **I. PROJECTS IN PREPARATION**

### **1) Feasibility study for the modernization of the railway line Arad - Timișoara - Caransebeș**

**Technical data:** upgrading 155 km line c.f.

**Funding Source:** State Budget Financing Source

**Value of the Feasibility Study:** 7,864 lei (excluding VAT)

**Stage:** Drafting Feasibility Study Underway.

### **2) Review of the feasibility study for the rehabilitation of the Craiova-Calafat railway line component of the Eastern / Mediterranean Corridor.**

**Technical data:** upgrading 107 km line c.f.

**Funding Source:** CEF 2014-2020 + State Budget for SF

**Value of the Feasibility Study:** 3,91 mil. lei (excluding VAT)

**Stage:** Contract for the review of the Feasibility Study underway.

### **3) Feasibility study for the rehabilitation of the Caransebeș - Drobeta Turnu Severin - Craiova railway line, part of the Eastern / Mediterranean Corridor**

**Technical data:** upgrading 234 km line c.f.

**Funding Source:** CEF 2014-2020 + State Budget

**Value of the Feasibility Study:** 23,548 mil. lei (excluding VAT)

**Stage:** Drafting Feasibility Study Underway.

## **C. OTHER PROJECTS FROM THE TEN-T CORE NETWORK**

### **I. PROJECTS IN IMPLEMENTATION**

#### **1. Projects for the rehabilitation of bridges, culverts and railway tunnels on SRCF Cluj – Lot 4 - Bridges and Culverts - project funded from the POIM 2014-2020**

**Technical data:** 1 bridge , 2 culverts

**Source of funding:** ERDF + State Budget

**Value of works:** 27,901 mil. lei (excluding VAT)

**Physical Stage:** 76,57%

#### **2. Rehabilitation projects for bridges, culverts and railway tunnels on SRCF Timișoara - Lot 3 - Phases and bridges project phases (Phase I - financed from POST 2007-2013, Phase II - funded from 2014-2020)**

**Technical data:** 4 bridges, 1 culvert

**Source of funding:** ERDF + State Budget

**Work value:** 19,502 mil. lei (excluding VAT)

**Physical Stage:** 92.00%

#### **3. Rehabilitation projects for railway bridges, culverts and tunnels on SRCF Lot 3 - Bridges, bridges (Phase I - financed from POST 2007-2013, Phase II - funded from 2014-2020)**

**Technical data:** 3 bridges, 6 culverts

The National Railway Company "CFR" SA	CFR Network Statement	December 09, 2018 Version 8.0
Tara: Romania	Annex 24	Page: 5

**Source of funding:** ERDF + State Budget  
**Work value:** 19,693 mil. lei (excluding VAT)  
**Physical Stage:** 99.00%

**4. Rehabilitation projects for bridges, tunnels and railway tunnels on SRCF Bucharest - phased project (Phase I - financed from POST 2007-2013, Phase II - funded from 2014-2020)**

**Technical data:** 7 bridges  
**Source of funding:** ERDF + State Budget  
**Value of works:** 47,427 mil. lei (excluding VAT)  
**Physical Stage:** 88,12%

**5. Overheated axle box and brake system detection system - Phase Project (Phase I - funded from POST 2007-2013, Phase II - funded from POIM 2014-2020)**

**Technical data:** installation of 21 infrared sensors placed in track on traverses to detect the levels of axle box, brake discs and brake blocks at Branesti, Dragoş Vodă, Bărăganu, Saligny, Crivina, Valea Largă, Târgu Frumos, Băile Sărata Monteoru, Coteşti, Sascut, Săcuieni Roman, Vinga, Răcari, Drobeta Turnu Severin East, Teregova, Jabăr, Movila, Murgeanca, Vadu Lat, Maldaeni, Grozăveşti  
**Source of funding:** ERDF + State Budget  
**Value of works:** 44,574 mil. lei (excluding VAT)  
**Physical Stage:** 92,00%

**6. Modernization of electromechanical centralization installations on the Siculeni - Adjud circulation section**

**Technical data:** modernization of 12 centralization stations in Mihăileni, Nădejdea, Livezi Ciuc, Lunca de Sus, Lunca de Mijloc, Ghimeş, Palanca, Simbrea, Goioasa, Asău, Dofteana, Tg. Ocna  
**Source of funding:** ERDF + State Budget of POIM 2014-2020  
**Value of works:** 101,443 mil. lei (excluding VAT)  
**Physical Stage:** 99,26%

**7. Rehabilitation of railway bridges, culverts and tunnels - SRCF Craiova (three lots)**

**7.1 Lot 1 - Bridges and Culverts**

**Technical data:** 3 bridge; 2 culverts  
**Source of funding:** ERDF + State Budget  
**Value of works:** 8,384 mil. lei (excluding VAT)  
**Physical Stage:** 7,90%

**7.2 Lot 2 - Bridges and Culverts**

**Technical data:** 1 bridge  
**Source of funding:** ERDF + State Budget  
**Value of works:** 27,202 mil. lei (excluding VAT)  
**Physical status:** 0,00%

**7.3 Lot3 4 - Bridges and Culverts**

**Technical data:** 4 bridge; 5 culverts  
**Source of funding:** ERDF + State Budget

The National Railway Company "CFR" SA	CFR Network Statement	December 09, 2018 Version 8.0
Tara: Romania	Annex 24	Page: 6

**Value of works:** 25,891 mil. lei (excluding VAT)

**Physical Stage:** 21,60%

**8. Updating feasibility study for "Electrification and rehabilitation of the Cluj-Napoca-Oradea railway section - Episcopia Bihor**

**Technical data:** electrification and rehabilitation of 157,9 km line c.f.

**Source of funding:** POIM 2014-2020

**FS value:** 4,55 mil. lei (excluding VAT) **Stage:** ongoing SF refurbishment contract.

**9. Feasibility study for "Modernization of the railway line on Bucharest North - Jilava - Giurgiu Nord - Giurgiu Nord Border**

**Technical data:** Upgrading a 91 km line c.f.

**Source of funding:** POIM 2014-2020

**FS value:** 19,26 mil. lei (excluding VAT)

**Stage:** ongoing SF refurbishment contract.

**10. North Bucharest railway line - Henri Coanda International Airport Bucharest - Feasibility Study Review - Phase II**

**Technical data:** modernization and construction of Bucharest North railway line - Henri Coandă International Airport Bucharest

**Source of funding:** POIM 2014-2020

**Estimated value consultancy for design and execution of works:** 2,5 mil. lei (excluding VAT)

**Stage:** ongoing FS development contract

**II. PROJECTS IN THE PUBLIC PROCUREMENT STAGE**

**1.Rehabilitation of railway bridges, culverts and tunnels - SRCF Galati (3 lots)**

**Technical data:** rehabilitation of 16 bridges and 3 culverts

**Funding Source:** ERDF + State Budget (POIM 2014-2020)

**Value of works:** 66,50 mil. lei (excluding VAT)

**Stage acquisition:** In the process of signing three contracts for works execution.

**2. Upgrading rail crossings (150 passes)**

**Technical data:** upgrading 150 level crossings in line with the POIM objectives.

**Source of funding:** POIM 2014-2020

**FS value:** 2,20 mil. lei (excluding VAT)

**Purchase stage:** initiation of the public procurement procedure

**III. PROJECTS IN PREPARATION**

**11. North Bucharest railway line - Henri Coanda International Airport Bucharest – Phase I - railway connection to the terminal T1 Henri Coanda International Airport -**

The National Railway Company "CFR" SA	CFR Network Statement	December 09, 2018 Version 8.0
Țara: Romania	Annex 24	Page: 7

**Technical data:** the realization of a railway connection between Henri Coanda International Airport Bucharest, Railway Station Bucharest North and the national railway network

**Source of funding:** POIM 2014-2020

**Estimated value consultancy for design and execution of works:** 497,38 mil. lei (excluding VAT)

**Stage:** preparation of the tender for the acquisition of the consulting contract supervision of the design and execution of the works.

**12. Work program to improve traffic conditions and eliminate speed restrictions on existing lines, including reconstruction works for increased speed, cadence time and rail services respectively 1001 km line cf (project included in MPGT - QiuckWins package).**

**Technical data:** The purpose of the project is to rehabilitate the railway line for the routes: Bucharest - Braşov, Bucharest - Craiova; Bucharest - Piteşti, Bucharest - Giurgiu, Paşcani - Iaşi, Timișoara - Arad, Bucharest - Buzău.

**Source of funding:** POIM 2014-2020

**Estimated for developing FS:** 4,55 mil. lei (excluding VAT)

**Stage:** the preparation of the tender initiation for the purchase of the feasibility study elaboration service.

**13. Works in railway stations Feteşti and Ciulnița, on the railway line Bucharest - Constanta Consultancy and Supervision Services**

**Technical data:** works to be carried out at railway stations\_Feteşti and Ciulnița.

**Source of funding:** POIM 2014-2020

**Value of works:** 143,20 mil. lei (excluding VAT)

**Stage:** the preparation of the tender initiation for the acquisition of the consultancy service and the provision of supervision.

**14. Modernization / rehabilitation of 47 railway stations in Romania**

**Technical data:** upgrading 47 stations c.f.

**Funding for FS:** POIM 2014-2020

**Value of FS:** 4,34 mil. euro (excluding VAT)

**Stage:** elaboration of documentation for the purchase of the SF elaboration service.

**15. Projects for the rehabilitation of bridges, culverts and railway tunnels (all regions) - Phase II**

**Technical data:** the rehabilitation of 174 investment objectives

**Source of funding:** POIM 2014-2020

**Value of FS:** 3,70 mil. euro (excluding VAT)

**Stage:** elaboration of documentation for the purchase of the SF review service

**16. Feasibility study for the modernization of the Ploiești railway line Triaj - Focsani**

**Technical data:** The purpose of the feasibility study is to elaborate the necessary documentation for modernization of the 143 km railway line

**Source of funding:** POIM 2014-2020

The National Railway Company "CFR" SA	CFR Network Statement	December 09, 2018 Version 8.0
Țara: Romania	Annex 24	Page: 8

**Value of FS:** 23,60 mil. lei (excluding VAT)

**Stage:** drafting of specifications.

**17. Feasibility study for the rehabilitation of railway Roman - Pascani - Iasi Border**

**Technical data:** The purpose of the feasibility study is to develop the necessary documentation for the rehabilitation of 116 km of railway line

**Source of funding:** POIM 2014-2020

**Value of FS:** 23,10 mil. lei (excluding VAT)

**Stage:** drafting of specifications.

**18. Feasibility study for the rehabilitation of railway Dărmănești - Vicșani**

**Technical data:** The purpose of the feasibility study is to develop the necessary documentation for the rehabilitation of 101 km of railway line

**Source of funding:** POIM 2014-2020

**Value of FS:** 5,61 mil. lei (excluding VAT)

**Stage:** drafting of specifications.

**19. Feasibility study for the rehabilitation of railway Pascani - Dărmănești**

**Technical data:** The purpose of the feasibility study is to develop the necessary documentation for the rehabilitation of 71 km of railway line

**Source of funding:** POIM 2014-2020

**Value of FS:** 11,70 mil. lei (excluding VAT)

**Stage:** drafting of specifications.

**20. Feasibility study for the rehabilitation of railway Focșani - Roman**

**Technical data:** The purpose of the feasibility study is to develop the necessary documentation for the rehabilitation of 147 km of railway line

**Source of funding:** POIM 2014-2020

**Value of FS:** 24,26 mil. lei (excluding VAT)

**Stage:** drafting of specifications.

**21. Feasibility study for the electrification of the railway line Radulești - Giurgiu Nord**

**Technical data:** The purpose of the feasibility study is to develop the necessary documentation, including the general estimate, in accordance with the legislation in force to start electrification work of 57 km of railway line

**Source of funding:** POIM 2014-2020

**Value of FS:** 3,15 mil. lei (excluding VAT)

**Stage:** drafting of specifications.