



Economic Cooperation Organization

Introduction to the ECO Activities in the Field of Railway Transport

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ECO Region

Introduction



Introduction of ECO activities in field of railway transport



ECO Transit Transport Framework Agreement (TTFA)

Introduction

TTFA is in force since 2006 with the ratification of the Parliaments of eight Member States, including Afghanistan, Azerbaijan, Iran, Kazakhstan, Kyrgyz Republic, Pakistan, Tajikistan, and Turkey

Objectives

- **Facilitation of movement of goods and passengers**
- **Ensuring the safety of goods and passengers and avoiding unnecessary delays during the transit traffic**
- **Cooperation and coordination of the efforts to avoid the incidence of customs frauds and tax evasion**
- **Harmonizing necessary administrative affairs dealing with transit traffic**



Railway transport related provisions of the TTFA

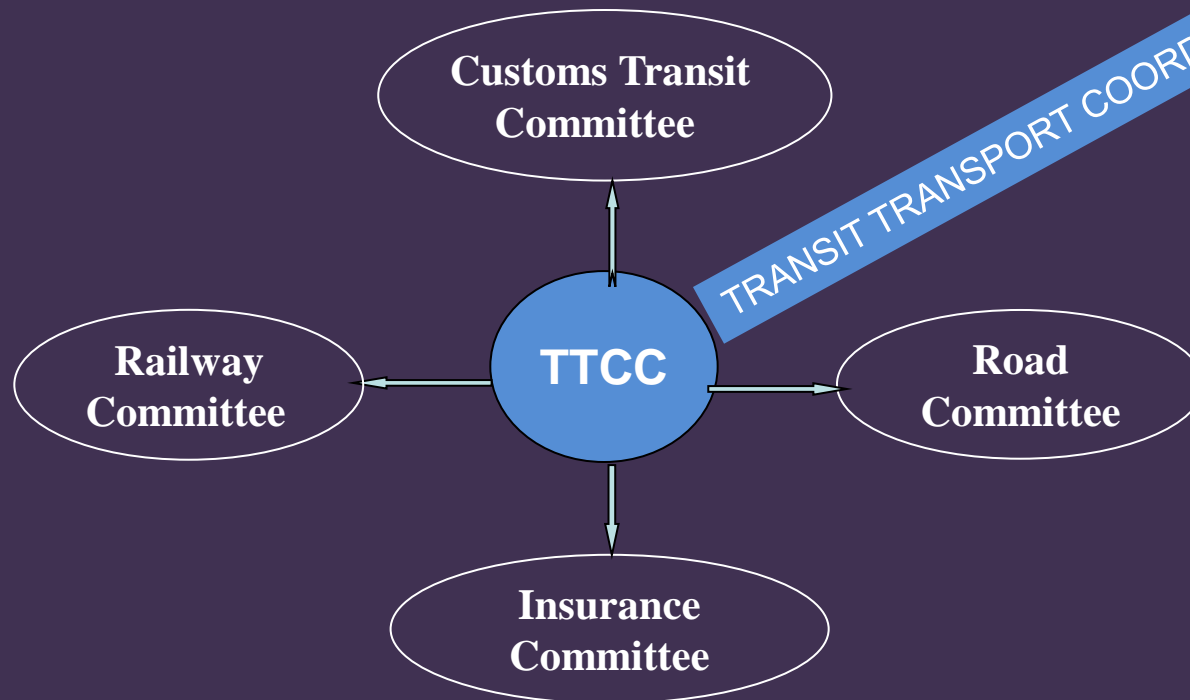
Introduction

1. The Contracting Parties adopt the prescribed railway transit routes (Annexure-I).
2. While constructing/reconstructing railways on the prescribed transit routes the minimum characteristics set out in Annex III will be observed
3. Safe and expeditious clearance of Transit Traffic and establishment of Offices
4. Transit services on railway lines shall be performed at interchange stations designated by Agreement. Border stations shall be those designated in Annex-I.
5. CPs shall formulate Rules of Use of Wagons keeping in view the framework of the Organization for cooperation between Railways, OSJD, RIV, RIC and PPW.
6. CPs shall formulate rules and procedures for international rail passenger and freight traffic keeping in view the provisions of the Agreement on International Carriage of Passenger (SMPO) as well as the Agreement on International Carriage of Goods (SMGS), COTIF/CIM, CIV and within the framework of OSJD and UIC.



ECO Transit Transport Framework Agreement (TTFA)

A special mechanism and a FUND has been established to coordinate, support and monitor the implementation of the TTFA





Accession to Conventions

The ECO has an active role in promoting and facilitating the accession of its member states to important international conventions and agreements especially in the field of rail transport , in close cooperation with the relevant international organizations

Country	Treaty on International Rail Goods Transport (SMGS), OSJD Member	Convention on International Railway Transport (COTIF)
Afghanistan	*	
Azerbaijan	*	
I.R. Iran	*	*
Kazakhstan	*	
Kyrgyzstan	*	
Pakistan		*
Tajikistan	*	
Turkey		*
Turkmenistan	*	
Uzbekistan	*	

- ☐ The Pakistan's accession to COTIF is successfully completed, in close coordination with ECO/OTIF
- ☐ The Republic of Azerbaijan's accession to COTIF is in final stages.
- ☐ Membership of the Afghanistan Rail Authority to the International Union of Railway (UIC) as 12th December 2013



Capacity Building Programme

Introduction

Some of ECO's activities in this regard are:

- ☐ National Capacity Building Workshop with assistance of OTIF in Pakistan, December 2011
- ☐ ECO-UNECE Joint Workshop on Unified Railway Law held in Ankara, 26 June 2012
- ☐ Training Course for Afghan Railway Staff organized by the Islamic Republic of Iran Railways from 30th May to 19th June 2014 in the city of Yazd,
- ☐ OTIF/UIC/ECO Workshop on COTIF held in Tehran, 11-12 November 2014
- ☐ Training Course for Afghan Railway Staff to be organized by Turkish Railway



Regional Study

Introduction

ECO Rail way Network Development Plan

- ❑ Defines five ECO Rail Transport Corridors
- ❑ Identifies regionally important infrastructure projects along the ECO Transport Corridors.
- ❑ Develops an Investment Plan for the priority projects.

This plan was approved by the member states at the 11th Meeting of the Heads of ECO Railway Authorities which was held in Ankara on 27-28th June, 2012.



ECO Railway Network Development Plan

Corridor Management Studies under the Project on Implementation of the TTFA





ECO Rail Network Development Investment Plan

ALL RAIL PROJECTS							
Country	Total Cost mn\$	PRIORITY CATEGORY					% Funding Secured
		I	II	III	IV	COMPLETED	
Afghanistan	250	130	0	0	120	0	52%
Azerbaijan	0	0	0	0	0	0	0%
Iran	7596	5250	2346	0	0	0	69%
Kazakhstan	2282	2042	0	0	240	0	89%
Kyrgyzstan	2000	0	2000	0	0	0	0%
Pakistan	12831	0	10034	2796	0	0	0%
Tajikistan	3120	0	3120	0	0	0	0%
Turkey	15319	9067	5836	416	0	0	59%
Total	43398	16489	23336	3212	360	0	38%

A total of 40 rail infrastructure projects along a total length of approximately 12,298 km of railway lines, were proposed in the study and should be included in the ECO Priority Railway Network Development Plan. The implementation of the proposed priority ECO network as a whole will require the approximate sum of \$43,4 billion, out of which approximately 38% has been secured.

Development of the ECO Railway Corridors



ECO Railway Routes

- 1. The ECO Container Train on Islamabad-Tehran-Istanbul (ITI) Route**
- 2. The ECO Container Train on Istanbul-Almaty Route**
- 3. The ECO Container Train on Bandar Abbas-Almaty Route**
- 4. Construction of Railway between Kazakhstan, Turkmenistan, and Iran (Uzen- Barakat-Gorgan)**
- 5. Qazvin-Rasht-Astara (Iran)-Astara (Azerbaijan) Railway Project**
- 6. Railway connecting China and Europe via Kyrgyz-Tajikistan-Afghanistan-Iran-Turkey**



ITI Container Train

ECO Corridor

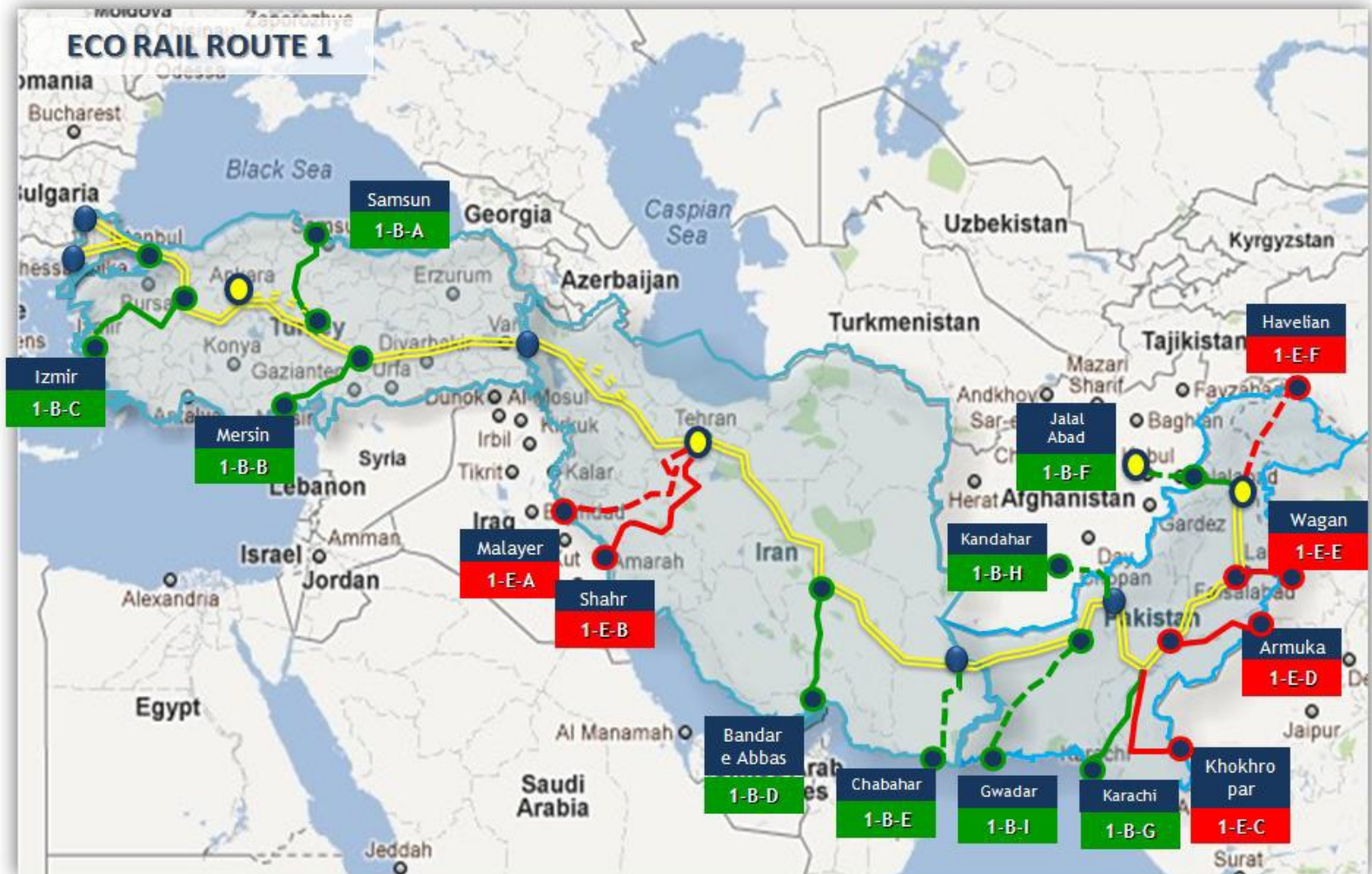


The ECO Container Train on Islamabad-Tehran-Istanbul Route (6543 km) has begun its scheduled and regular operation on 2 August 2010. Its operation is being coordinated by a High Level Working Group of the enroute member states..



ITI Container Train

ECO Corridor



So far 29 operations have been executed along this route successfully.



ITI unified tariff

Unit: Euro

Country	Total distance (km)	Tariff for loaded container				Tariff for empty container			
		For 20 ft		For 40 ft		For 20 ft		For 40 ft	
		Per km	Total	Per km	Total	Per km	Total	Per km	Total
Iran	2603	0.22	572	0.28	728.8	0.11	286.3	0.14	364.4
Pakistan	1990	0.22	437.8	0.27	537.3	0.11	218.9	0.16	318.4
Turkey	1850*	0.22	407	0.28	518	0.11	204	0.14	259
Total	6443		1416.8		1784.1		709.2		941.8

* Total distance between Kapikoy to Kosekoy



PAKISTAN

Time schedule

Islamabad-Zahedan			Zahedan-Islamabad		
Station name	Arrival	Departure	Station name	Arrival	Departure
Islamabad		16:00	Zahedan		04:00
Rawalpindi	17:00	19:00	Mirjaveh	07:45	08:45
Jhelum		24:00	Boundary Pillar 72	09:00	11:00
Lalamusa	01:30	02:30	Koh-i-Taftan	12:15	14:15
Wazirabad	04:00	04:05	Nokundi	16:45	17:00
Lahore	10:00	23:00	Dalbandin	20:45	21:00
Sahiwal		08:00	Ahmedwal	01:30	18:00
Khanewal	15:00	16:00	Kishingi	*	08:00
Lodhran		20:00	Spezand	16:10	16:15
Samasatta	21:55	22:55	Kolpur	17:00	**
Khanpur		05:00	Abigum	19:00	***
Rohri	13:00	15:00	Sibi	17:00	05:00
Habibkot		16:45	Jacobabad	09:50	10:00
Jacobabad	21:00	08:00	Habib Kot		11:30
Sibi	18:00	08:00	Rohri	13:00	14:30
Abigum	13:20	13:30	Khanpur		20:30
Mach	14:45	14:55	Samasatta	23:45	01:00
Kolpur	17:00	08:00	Lodhran	-	02:30
Spezand	08:45	08:50	Khanewal	06:30	07:30
Kishingi	15:25	15:30	Sahiwal	10:50	11:45
Ahmedwal	18:15	08:00	Lahore	19:00	23:00
Dalbandin	15:30	15:45	Wazirabad	02:30	02:35
Nokundi	23:30	23:45	Lalamusa	04:45	07:45
Koh-i-Taftan	08:00	10:00	Jhelum	-	10:05
Boundary Pillar 72	11:00	13:00	Rawalpindi	14:30	17:00
Mirjaveh	14:00	15:00	Islamabad	18:00	
Zahedan	16:00				
Total journey time	192:00 hours		Total journey time	182:00 hours	
*Train will run in three portions between Ahmedwal-Kishingi.					
** Train will run in six portions between KLR-ABG and will worked with two locomotives.					
*** Train will run in three portions between ABG-SIB with two locomotives.					



IRAN

Time schedule

Razi-Mirjaveh			Mirjaveh-Razi		
Station name	Arrival	Departure	Station name	Arrival	Departure
Kapikoy		a:08:45	Zahedan		a:04:00
Razi	09:00	12:00	Bam	13:30	14:00
Tabriz	16:30	18:30	Kerman	19:00	21:00
Maragheh	21:30	22:10	Bafq	b:02:00	04:00
Miyaneh	b: 02:30	03:45	Yazd	08:30	10:30
Zanjan	06:45	07:30	Kashan	21:00	21:30
Qazvin	12:00	12:30	Mohammadiyah	c:00:50	00:50
Aprin	15:30	18:30	Aprin	05:00	07:00
Mohammadiyah	22:25	22:25	Qazvin	11:30	12:30
Kashan	c: 03:30	04:40	Zanjan	17:30	18:30
Yazd	16:50	18:20	Miyaneh	22:30	23:50
Bafq	22:30	d: 00:30	Maragheh	d: 06:00	07:00
Kerman	06:00	07:00	Tabriz	11:00	13:00
Bam	13:00	14:00	Razi	18:00	18:00
Zahedan	23:00		Kapikoy	18:15	
Total Journey Time	86:15:00		Total Journey Time	86:15:00	



TURKEY

Time schedule

Kapikoy-Kosekoy			Kosekoy-Kapikoy		
Station name	Arrival	Departure	Station name	Arrival	Departure
Kapikoy	18:15	19:00	Kosekoy		13:08
Van (Wharf)	21:24	Ferry	Eskishehir	17:43	18:33
Tatvan Gar	Ferry	09:10	Marshandiz	22:50	23:30
Elazig	17:25	18:00	Ankara	23:41	23:43
Malatya	21:05	21:50	Kayseri	10:45	11:01
Bostankaya	05:04	05:10	Bostankaya	16:35	16:51
Kayseri	09:54	10:30	Malatya	23:43	00:14
Ankara	21:20	21:22	Elazig	03:10	03:39
Marshandiz	21:33	22:10	Tatvan Gar	12:21	Ferry
Eskishehir	02:18	02:48	Van (Wharf)	Ferry	02:57
Kosekoy	07:08		Kapikoy	05:56	08:45
Total Journey Time from Kapikoy to Kosekoy	60:53:00		Total Journey Time from Kosekoy to Kapikoy	67:37:00	



The ECO Container Train on Istanbul-Almaty Route

ECO Corridor



This route is the most direct and feasible transport route which can facilitate East-Asian trade with Europe through Central and West Asia. Total distance of route is 5626 km.



The ECO Container Trains on Istanbul-Almaty Route

Unit: US\$

Country	Total distance (km)	Tariff for loaded container		Tariff for empty container	
		For 20 ft	For 40 ft	For 20 ft	For 40 ft
Turkey (Kosekoy-Kapikoy)	1850	802	1205	573	716
Iran	1619	462	770	278	462
Turkmenistan*	469	882	1599.04		
Uzbekistan	732	608	1048		
Kazakhstan	956	397.14	660.85	213.7	355.62
Total	5626	3151.14	5282.9		

* This freight tariff includes all extra charges and return operation of empty containers for the 3rd quarter of 2013 .

Tariffs



The ECO Container Trains on Istanbul-Almaty Route

Time table

Almaty-Istanbul			station	Istanbul-Almaty		
Arrival	Stopovers (minutes)	Departure		Arrival	Stopovers (minutes)	Departure
Kazakhstan						
12:30	68	13:38	Almaty-	8:46	81	10:17
17:59	39	18:38	Otar	4:09	37	4:43
21:54	34	22:28	Shu	23:05	36	23:41
3:03	40	3:43	Taraz	18:16	40	16:10
6:04	42	6:46	Tulkubas	12:13	60	18:56
-	-	8:30	Shymkent	-	-	13:19
10:13	47	11:00	Arys	11:10	33	11:43
13:26	180	16:26	Sary-Agash	5:39	180	8:39
26 hours & 48 min						
Uzbekistan						
16:55	180	19:55	Sary-Agash (Kazakhstan)	8:12	180	11:12
21:15	60	22:15	Uzbekistan	5:54	60	6:54
0:27	95	2:02	Khavast	1:17	124	3:22
7:41	139	10:00	Marokand	16:20	142	18:42
16:10	98	17:48	Bukhara	8:26	113	10:19
19:45	175	22:40	Khodjadavlet	4:50	105	6:35
23:05	180	2:15	Farap (Turkmenistan)	1:20	180	4:20
33 hours & 39 min				42 hours & 41 min		
Turkmenistan						
16:10	180	19:10	Farap	13:30	180	16:30
19:50	90	21:20	Turkmenabat-2	11:00	110	12:50
03:15	90	04:45	Mary	02:30	90	04:00
11:00	720	23:00	Sarakhs (TRK)	08:00	720	20:00
44 hours & 45 min				55 hrs & 10 min		



The ECO Container Trains on Istanbul-Almaty Route

Time table

Almaty-Istanbul			station	Istanbul-Almaty		
Arrival	Stopovers (minutes)	Departure		Arrival	Stopovers (minutes)	Departure
Iran*						
		23:00	Sarakhs	08:30		
02:00	60	03:00	Motakhari	05:15	30	05:45
07:45	75	09:00	Negab	23:15	135	01:30
14:45	125	16:50	Shahrud	11:30	105	13:15
20:20	60	21:20	Semnan	04:30	90	06:00
00:00	0	00:00	Garmsar	02:00	30	02:30
02:40	180	05:40	Aprin	22:30	90	00:00
09:20	90	10:50	Qazvin	17:00	120	19:00
14:10	60	15:10	Zanjan	12:00	45	12:45
18:10	90	19:40	Miyaneh	07:00	120	09:00
01:30	150	04:40	Maragheh	00:00	60	01:00
08:40	150	11:10	Tabriz	19:30	120	21:30
15:40			Razi			15:00
64 hours						
Turkey *						
		03:05	Razi	11:32		
03:19	221	07:00	Kapikoy	09:18	120	11:18
09:41	39	10:20	Van	05:35	29	06:05
10:50	80	12:10	Tatvan	07:14	21	07:35
Ferry				Ferry		
06:10	165	06:55	Malatya	06:02	203	09:25
23:10	176	02:10	Kaiseri	12:15	224	10:00
14:11	199	17:30	Ankara	20:42	173	23:35
23:26	194	02:40	Eskishehir	11:43	142	14:05
11:45			Haydarpasha			03:55
82 hours & 36 min				92 hours & 40 min		

* Turkey and Iran have recently provided its revised time table for this train which was circulated among the enroute Member States accordingly.



The ECO Container Train on Bandar Abbas-Almaty Route

ECO corridor



The first demonstration run of the ECO Container Train on Bandar Abbas-Almaty Route (3710 km) was organized on 17 October 2011 from Bandar Abbas.



The ECO Container Train on Bandar Abbas-Almaty Route

Tariffs

Country	Total distance (km)	Tariff for loaded container		Tariff for empty container	
		For 20 ft	For 40 ft	For 20 ft	For 40 ft
Iran	1553	747 Frank Swiss	1093 Frank Swiss	374 Frank Swiss	546 Frank Swiss
Turkmenistan	469	882 US\$	1599.04 US\$		
Uzbekistan	732	608 US\$	1048 US\$		
Kazakhstan	956	311,85 US\$	518,9 US\$	155,93 US\$	259,45 US\$

* This freight tariff includes all extra charges and return operation of empty containers for the 3rd quarter of 2013 .



The ECO Container Train on Bandar Abbas-Almaty Route

Time table

Almaty-Bandar Abbas		Station	Bandar Abbas-Almaty	
Arrival	Departure		Arrival	Departure
IRAN				
c22:10	-	Bandar Abbas	-	a19:45
c10:20	c11:50	Sirjan	b08:15	b10:15
c00:30	c00:50	Mobarakeh	b17:45	b18:05
b14:30	b16:00	Tabas	c03:30	c05:00
b05:30	b07:00	Torbat Heydarieh	c13:30	c15:00
-	a19:30	Sarakhs	c3:45	
50:40:00		Total Time	52:00:00	
TURKMENISTAN				
18:10	19:30	Sarakhs (IRI)	3:45	5:05
20:10	21:30	According to 's time	5-45	7:05
7:00	19:00	Sarakhs (TRK)	8:15	20:30
23:00	0:30	Mary	2:30	4:30
14:10	16:00	Turkmenabat-2	11:00	12:50
10:30	13:30	Farap	13:30	16:30
32:30:00		Total time	32:15:00	



The ECO Container Train on Bandar Abbas-Almaty Route

Time table

Almaty-Bandar Abbas		Station	Bandar Abbas-Almaty	
Arrival	Departure		Arrival	Deprture
UZBEKISTAN				
07:20	09:50	Khodjadavlet	17:10	19:40
04:00	05:28	Bukhara 1	21:30	22:50
00:10	01:00	Navoi	01:31	02:00
17:00	19:45	Marokand	06:00	08:30
13:10	13:50	Dzhizak 1	13:00	13:30
08:00	09:45	Khavast	15:20	17:00
03:50	04:50	Usbekistan	21:30	22:30
03:00	03:20	Nazirbek	23:00	23:20
22:50	02:10	Sary-Agash	00:10	03:10
30:56:00		Total time	30:33:00	
KAZAKHSTAN				
05:39	08:39	Sary-Agash	13:26	16:26
11:10	11:43	Arys	10:13	11:00
-	13:19	Shymkent	-	08:30
12-13	18:56	Tulkubas	06:04	06:46
18:16	16:10	Taraz	03:03	03:43
23:05	23:41	Shu	21:54	22:28
04:09	04:43	Otar	17:59	18:38
08:46	10:17	Almaty	12:30	13:38
		Total time		

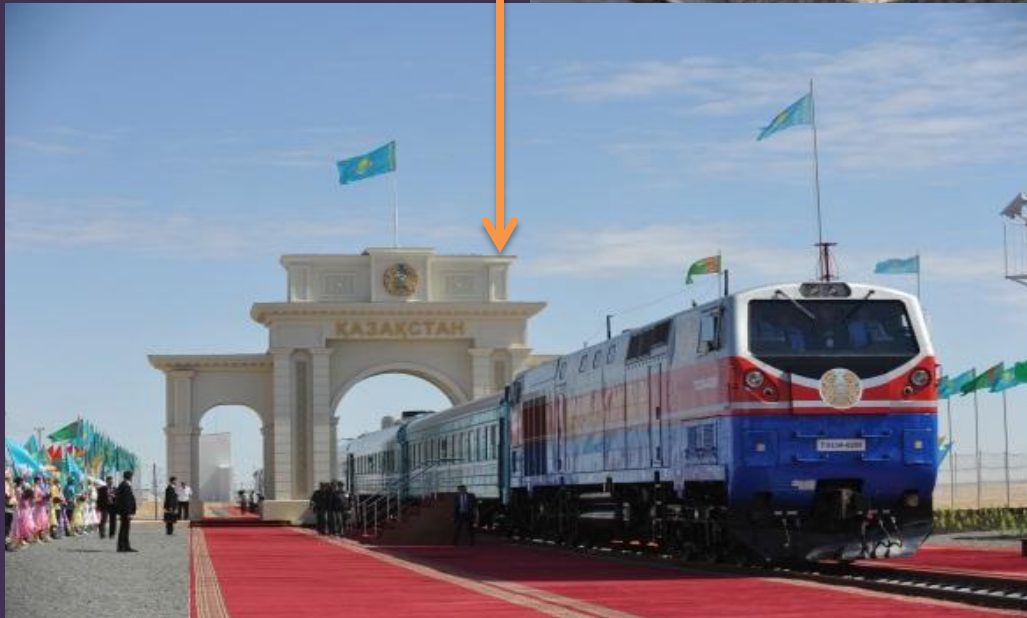


Iran-Turkmenistan-Kazakhstan Railway Project

(ECO Rail Corridor IV)

ECO Corridor

The Iranian segment (90 Km) and the segment in Kazakhstan (146 km) completed and **INAUGURATED** in May 2013



The segment of Turkmenistan (700 km) has been completed and will be inaugurated on 3rd December 2014 at presence of high dignities of the ECO Member States and international organizations.



The Qazvin-Rasht-Astara-Astara Railway Project

ECO Corridor



The Qazvin-Rasht- Astara (Iran)-Astara (Azerbaijan) Railway Project has three parts. Two parts, namely Qazvinn-Rasht and Rasht-Astara with a total length of about 369 km are located in Iran, and one part (less than 10 km) is located in the Republic of Azerbaijan.



The Republic of Azerbaijan-Iran Railway Project (ECO Rail Corridor III)

ECO Corridor



- ❖ About 80% progress has already been achieved so far in Qazvin-Rasht Segment (164 km) which means 60% progress in the whole Qazvin-Rasht-Astara route.
- ❖ As regards the Rasht-Astara segment with total length of 163 km (plus 41 km on Rasht-Anzali), the design of its railway line has been approved.



Kyrgyz Republic-Tajikistan-Afghanistan-Iran (KTAI) Rail Project

ECO corridor



The KTAI Rail Corridor is coordinated by the Senior Officials Meeting of the enroute member states. The total length of the (Kashghar-Herat) route is around 2155 km out of which 215 km is in China, 194 KM is in Kyrgyzstan, 496 KM is in Tajikistan, and 1250 KM (from Sherkhan Bandar to Heart) is in Afghanistan. The total length of Sangan (Iran)-Harat Railway line is 191 km out of which 76 kilometers lying in Iranian territory has already been constructed.

Thank You