

Available Investment Opportunities in Transportation Sector Iraqi Railways Investment Opportunities

1. (Mosul, Duhok, Zakho, Turkish Borders) Railway

Project type: New

Project total cost including land capture: \$ 2.607 m.

Land capture cost: \$ 450 m.

Project estimated cost: \$ 2.157 m.

Project location: the Rail line running through the Governorates of Naynawah and Duhok.

Designed capacity: 1 Million passenger/ year

55 million tons of goods/ year

Project axis length: 167 km two-way line

Designed speed: 200 km/h for passengers using electric trains.

140 km/h for goods using electric trains.

Axle load: 25 tons.

The Project supplementary Service facilities: stations, bridges, archways, repair workshops, sign and communication systems, houses for the workers.

2. (Kirkuk- Sulaimaniyah) Railway

Project type: New

Project total cost including land Acquisition: \$ 1.850 m.

Land Acquisition Cost: \$ 350 m.

Project estimated cost: \$ 1.500 m.

Project location: Railway line running through the Governorates of (Kirkuk and Sulaimaniyah).

Designed capacity: 1.250 Million passenger/ year

6 million tons of goods/ year

Project axis length: 118 km one-way line, possible to be two-way line in the future.

Designed speed: 200 km/h for passengers using electric trains.

140 km/h for goods using electric trains.

Axle load: 25 tons.

Project Supplementary Service Facilities: stations, bridges, archways, repair workshops, sign and communication systems, houses for the workers.

3. (Baghdad- Ba'quba- Kirkuk- Irbil- Mosul) Railway

Project type: New

Project total cost including land Acquisition: \$ 8.674 m.

Land Acquisition Cost: \$ 1.674 m.

Project estimated cost: \$ 7.000 m.

Project location: Railway line passes through the Governorates of (Baghdad, Ba'quba, Kirkuk, Irbil, and Mosul).

Designed capacity: 6 Million passenger/ year

20 million tons of goods/ year

Project axis length: 555 km two-way line

Designed speed: 250 km/h for passengers using electric trains.

140 km/h for goods using electric trains.

Axle load: 25 tons.

Project Supplementary Service Facilities: stations, bridges, archways, repair workshops, sign and communication systems, houses for the workers.

4.(Baghdad- Kut- Imara- Basrah) Railway

Project type: New

Project total cost including land Acquisition: \$ 7.612 m.

Land Acquisition Cost: \$ 1.512 m.

Project estimated cost: \$ 6.100 m.

Project location: Railway line passes through the Governorates of (Baghdad, Kut, Imara, and Basrah).

Designed capacity: 9 Million passenger/ year

20 million tons of goods/ year

Project axis length: 504 km two-way line

Designed speed: 250 km/h for passengers using electric trains.

140 km/h for goods using electric trains.

Axle load: 25 tons.

Project attachments: stations, bridges, archways, repair workshops, sign and communication systems, houses for the workers.

5. (Basrah- Fao) Railway

Project type: New

Project total cost including land Acquisition: \$ 1.499 m.

Land Acquisition Cost: \$ 299 m.

Project estimated cost: \$ 1.200 m.

Project location: Basrah Governorate.

Designed capacity: 1 Million passenger/ year

70 million tons of goods/ year

Project axis length: 110 km two-way line

Designed speed: 140 km/h for passengers using electric trains.

100 km/h for goods using electric trains.

Axle load: 25 tons.

Project Supplementary Service Facilities: stations, bridges, archways, repair workshops, sign and communication systems, houses for the workers.

6. (Basrah- Shalamjah) Railway

Project type: New

Project total cost including land Acquisition: \$ 385 m.

Land Acquisition Cost: \$ 135 m.

Project estimated cost: \$ 250 m.

Project location: The rail line passing through Basrah Governorate.

Designed capacity: 2 Million passenger/ year

10 million tons of goods/ year

Project axis length: 35 km one-way line

Designed speed: 120 km/h for passengers using electric trains.

Axle load: 25 tons.

Project Supplementary Facilities: stations, bridges, archways, repair workshops,
sign and communication systems, houses for the workers.

7. The circular line (Around the City of Baghdad

Project type: New

Project total cost including land Acquisition: \$ 2429 m.

Land Acquisition Cost: \$ 429 m.

Project estimated cost: \$ 2.000 m.

Project location: Baghdad Governorate.

Designed capacity: 22 Million passenger/ year

46 million tons of goods/ year

Project main axis lengths:

Axis of the circular line: 112 km two-way line

The axis which links the international station to the circular line through train tunnel is 11 km, 4 parallel lines

Designed speed: 200 km/h for passengers using electric trains.

140 km for goods using electric trains.

Axle load: 25 tons.

Project Supplementary Service Facilities: stations, bridges, archways, repair
workshops, sign and communication systems, houses for
the workers.

8. (Baghdad- Musaiab- Kerbala- Najaf- Samawa- Nasiriyah- Basrah- Um Qasir) Railway Project

Project type: New

Project total cost including land Acquisition: \$ 11.000 m.

Land Acquisition Cost: \$ 1.000 m.

Project estimated cost: \$ 10.000 m.

Project location: Railway line passing through the Governorates of (Baghdad, Babylon,
Kerbala, Najaf, Muthanna, Thi Qar, and Basrah).

Designed capacity: 16 Million passenger/ year

36 million tons of goods/ year

Project axis length: 663 km two-way line

Designed speed: 250 km/h for passengers using electric trains.

140 km/h for goods using electric trains.

Axle load: 25 tons.

Project Supplementary Service Facilities: stations, bridges, archways, repair workshops, sign and communication systems, houses for the workers.

9. (Ramadi- Kerbala) Railway Project

Project type: New

Project total cost including land Acquisition: \$ 11.000 m.

Land Acquisition Cost: \$ 1.600 m.

Project estimated cost: \$ 1.500 m.

Project location: Railway line passing through the Governorates of (Anbar and Kerbala).

Designed capacity: 3 Million passenger/ year

36 million tons of goods/ year

Project axis length: 138 km two-way line

Designed speed: 250 km/h for passengers using electric trains.

140 km/h for goods using electric trains.

Axle load: 25 tons.

Project Supplementary Service Facilities stations, bridges, archways, repair workshops, sign and communication systems, houses for the workers.

Second: Ports

1. Fao Port

Project type: New

Project cost: \$ 6 b.

Project location: Basrah



Designed capacity: 1st stage 2018: containers: 24 million ton/ year, sporadic items: 24 million ton/ year.
2nd stage 2028: containers: 40 million ton/ year, sporadic items: 32 million ton/ year.
3rd stage 2038: containers: 70 million ton/ year, sporadic items: 44 million ton/ year.

First: The project consists of:

- 5.5km Eastern Wave brakes.
- 7.3km western Wave brakes.
- Tow lines of Container berths, each of it is 3.5 km long, which is equals to 12 berths for each line, that is a total of 24 container berths with yards for container storage.
- berths for sporadic goods (grains, cement, etc.) of 3.5 km with the conveyor belts, which equals 13 berths.
- berths for oil derivatives export and import (located out of the port basin)
- Road and railway lines net.
- Spaces for buildings and yards for trailer parking (almost 24 sq km).
- 30 km navigation canal and 17m depth.
- 4.5 km berths for various goods, (Equals 22 berths).
- Space for the industrial area (almost 8.5 sq km).
- Depths within the harbor basin vary between 15-17 m.

Second: the new port's requirements have been specified which includes the number and the dimensions of the required berths and spaces for container and sporadic items (wheat and others) depending on the expected volume of goods handled for the next thirty years to meet the local needs.

2. Establishment of 13 multi-purpose berths at Um Qasir port

Project type: New

Project cost: \$ 500 m.

Project location: Basrah (River 1, opposite to the berths of Um Qasir port).

Designed capacity: 3.750.000 ton/ year.

This project is a complementary part to the current existed ports at Um Qasir. It aims to increase the capacity of goods charging and discharging at the port by establishing (13) multi-purpose container berths in addition to its attachments, equipments, services, service buildings, shelters, pullers, railways, internal roads, some container berths, and designated berths on a plot of 151773 sq m. at the location of river (1) opposite to the berths of Um Qasir port.

3. Establishment of 13 multi-purpose berths at Khur Al-Zubair port

Project type: New

Project cost: \$ 500 m.

Project location: Basrah (Southward of the berths of Khur Al-Zubair port).

Designed capacity: 4.250.000 ton/ year.

Since the berths capacities at the ports is limited, a suggestion was presented which is to establish a new separated concrete berths depend on steel pipe prop; four with the buildings and services for containers.

The project includes the establishment of (13) multi-purpose container berths with all their requirements on a plot of 150.740 sq m. southward of the berths of Khur Al-Zubair port to increase handle capacity of the berths as their current capacity is (4) million ton/ year. The establishment of these berths shall increase the capacity of the port.



Third: Airports:

Name of Project: Central Euphrates Airport
(Central Location amidst the Governorates of Babylon, Holy Kerbala, Holy Najaf, and Diwaniyah)

Project type: New

Project cost: unspecified.

Project location: It services the Governorates of Babylon, Holy Kerbala, Holy Najaf, and Diwaniyah

Designed capacity: 1st stage: 6 million passengers.

2nd stage: 12 million passengers.

3rd stage: 20 million passengers.



It is one of the crucial strategic projects which will facilitate transportation in the central Euphrates areas and will activate and promote religious tourism at these Governorates.

- A contract was signed with a French Company to study the technical and economic profits assumptions for the project, the company also shall prepare and present the project designs.
- The project is held on an area of 45.717 sq km.
- Project components/ 1st stage
 1. Travelers Building.
 2. 4.500 m runway (code 4 F) capable for Airbus A380 landing.
 3. 12 Contact for (2 code F airplanes, 10 code E/2C), and a number of airplane remote landing.
 4. 60 m air monitoring tower.
 5. Airport City (its service facilities will be announced as investment opportunities).
 6. Air charge building and its yard.
 7. Airplane maintenance facilities.

