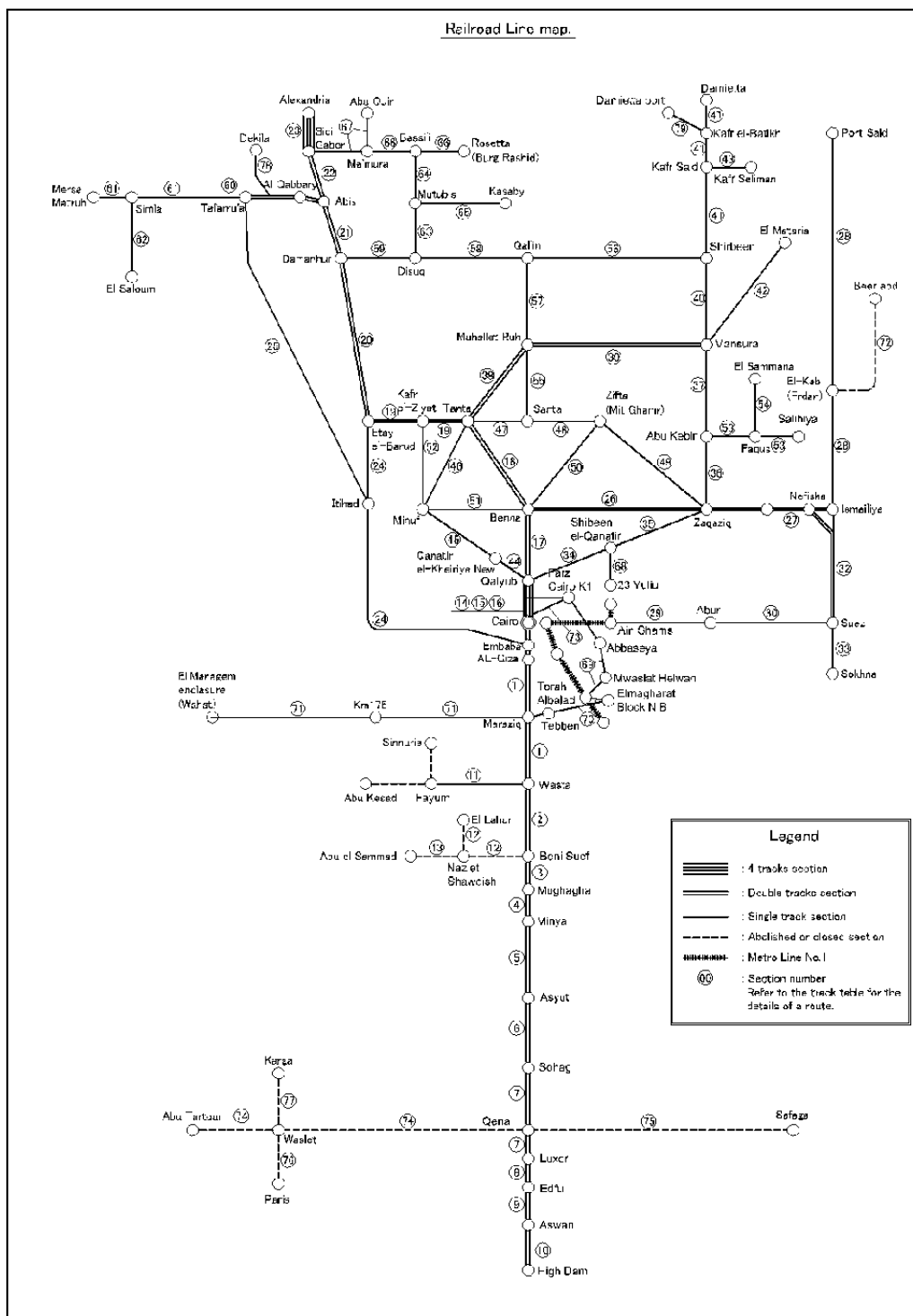


APPENDIX

1. RAILWAY LINE INFORMATION
2. TRAIN DIAGRAM
3. RUN CURVE (TRAIN OPERATION SPEED)
4. PROJECTS PROFILE

1. RAILWAY LINE INFORMATION

Figure App 1.1 indicates the route map of ENR line and Table App 1.1 indicates the information of each section.



Souse Study Team based on ENR data

Figure App 1.1 ENR Route Map

2. TRAIN DIAGRAM

Figure App 2.1 to App 2.26 show the current diagram of passenger train drawn by study team based on time table of ENR.

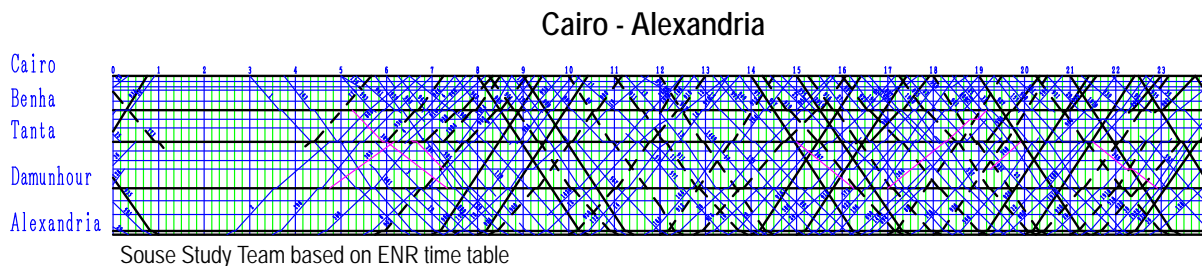


Figure App 2.1 Train Diagram

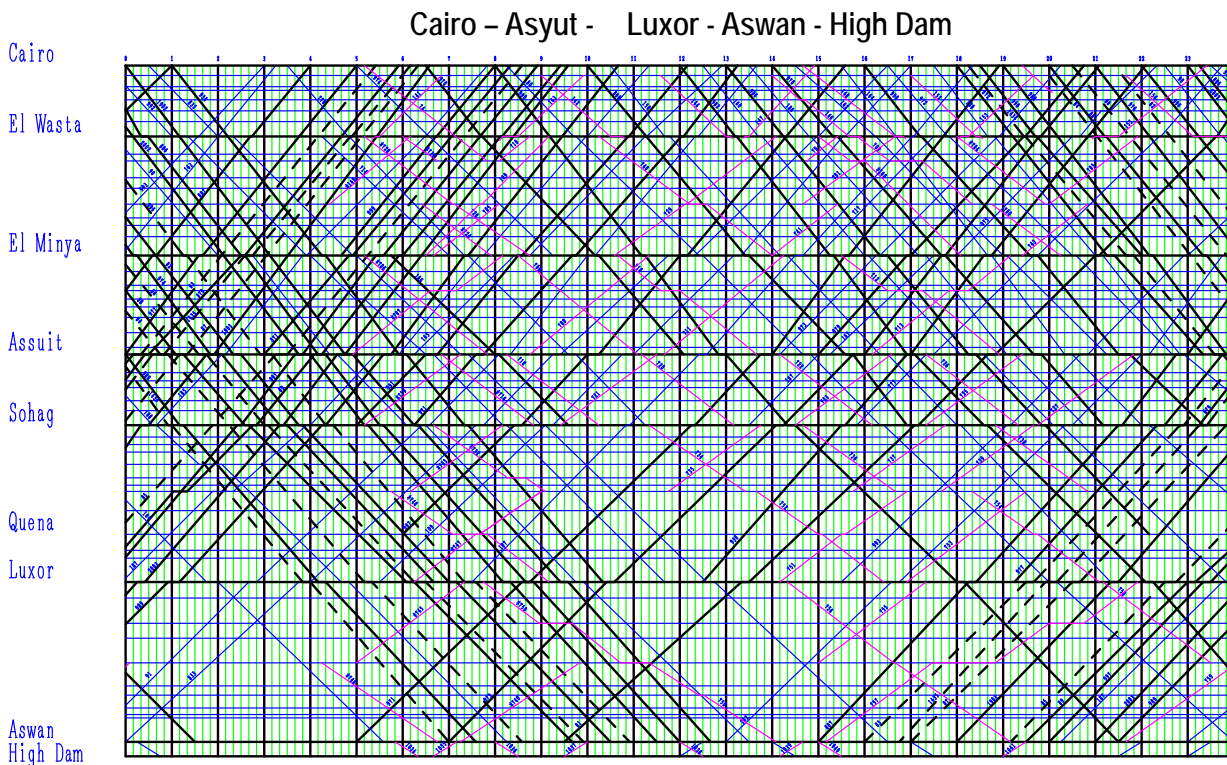


Figure App 2.2 Train Diagram

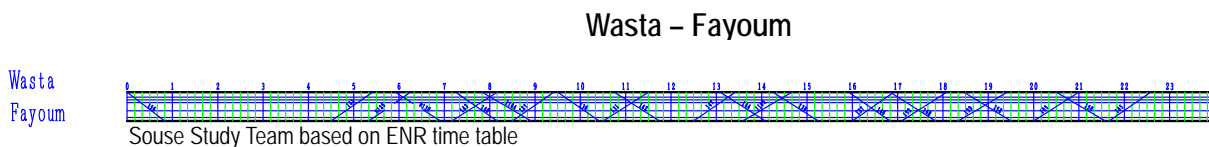
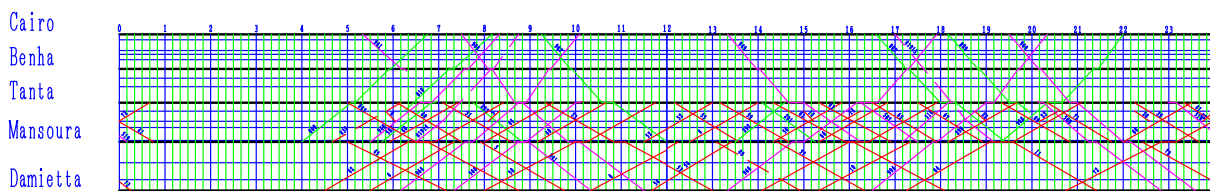


Figure App 2.3 Train Diagram

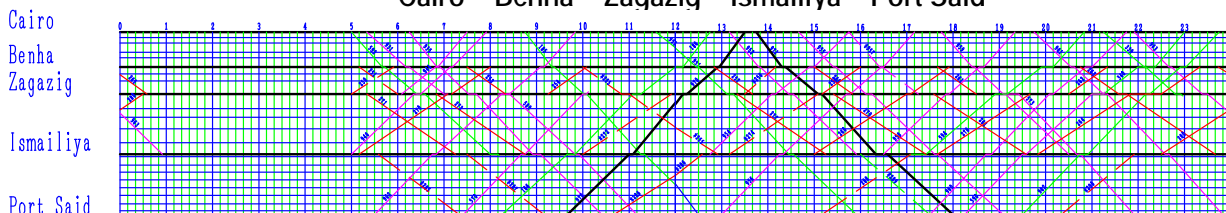
Cairo – Benha – Tanta – Mansoura - Damietta



Souse Study Team based on ENR time table

Figure App 2.4 Train Diagram

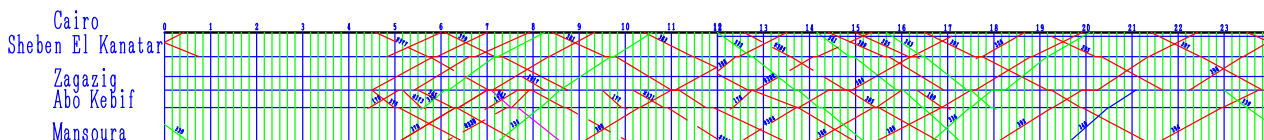
Cairo – Benha – Zagazig – Ismailiya – Port Said



Souse Study Team based on ENR time table

Figure App 2.5 Train Diagram

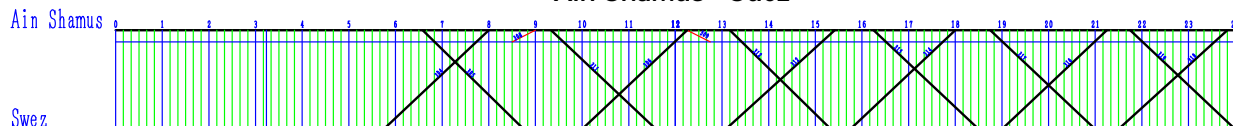
Cairo – Sheben El Kanater – Zagazig - Mansoura



Souse Study Team based on ENR time table

Figure App 2.6 Train Diagram

Ain Shamus - Suez



Souse Study Team based on ENR time table

Figure App 2.7 Train Diagram

Ismailiya - Suez



Souse Study Team based on ENR time table

Figure App 2.8 Train Diagram

23 July – Shebeen El Kanater

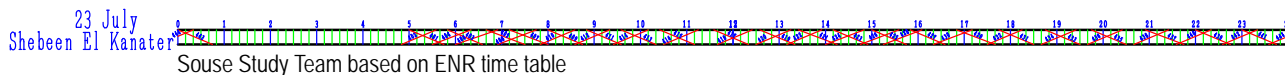
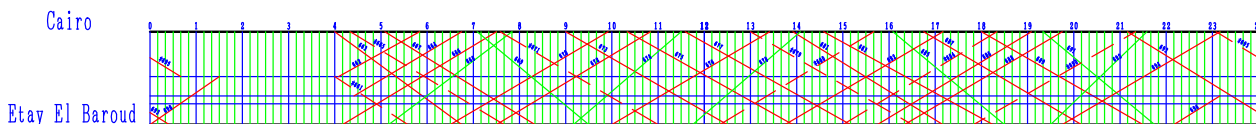


Figure App 2.9 Train Diagram

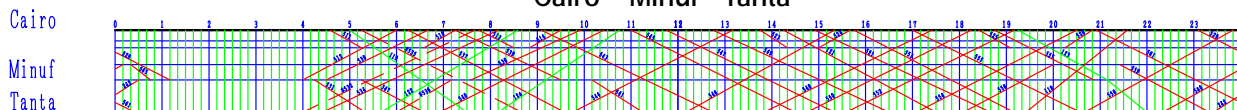
Cairo – El Ethad – Etay El Baroud



Souse Study Team based on ENR time table

Figure App 2.10 Train Diagram (10)

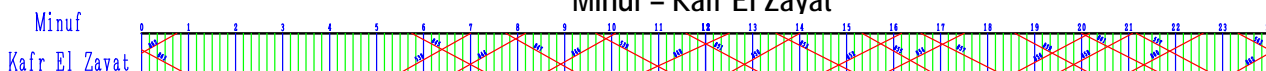
Cairo – Minuf - Tanta



Souse Study Team based on ENR time table

Figure App 2.11 Train Diagram (11)

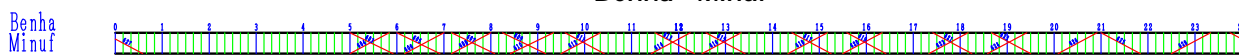
Minuf – Kafr El Zayat



Souse Study Team based on ENR time table

Figure App 2.12 Train Diagram (12)

Benha - Minuf



Souse Study Team based on ENR time table

Figure App 2.13 Train Diagram (13)

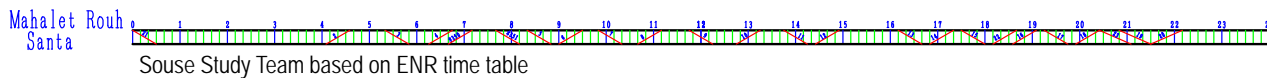
Tanta – Santa – Mit Ghamr - Zaqaizq



Souse Study Team based on ENR time table

Figure App 2.14 Train Diagram (14)

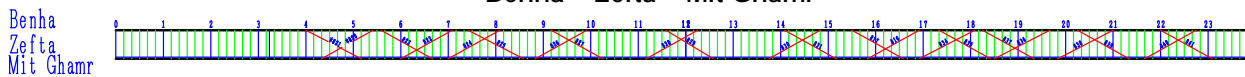
Mahalet Rauh - Santa



Souse Study Team based on ENR time table

Figure App 2.15 Train Diagram (15)

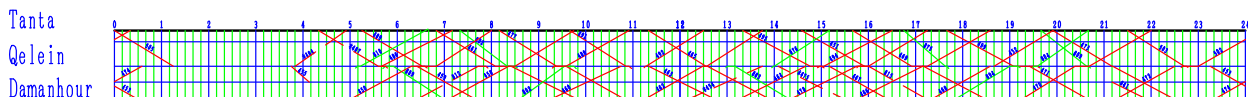
Benha - Zefta - Mit Ghamr



Souse Study Team based on ENR time table

Figure App 2.16 Train Diagram (16)

Tanta - Qelein - Damanhour



Souse Study Team based on ENR time table

Figure App 2.17 Train Diagram (17)

Qelein - Sherbin



Souse Study Team based on ENR time table

Figure App 2.17 Train Diagram (17)

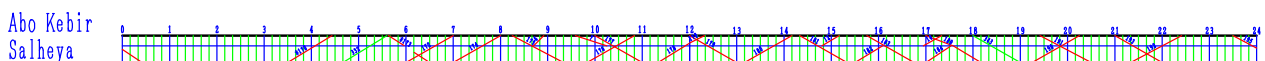
Desouk - Bouseri



Souse Study Team based on ENR time table

Figure App 2.18 Train Diagram (18)

Abo Kebir - Salheya



Souse Study Team based on ENR time table

Figure App 2.19 Train Diagram (19)

Faqous - Samaena

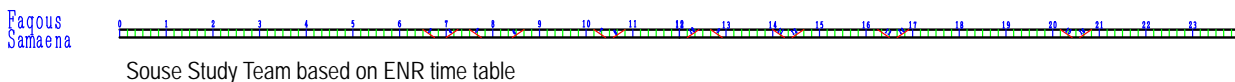


Figure App 2.20 Train Diagram (20)

Mansoura - Matareya

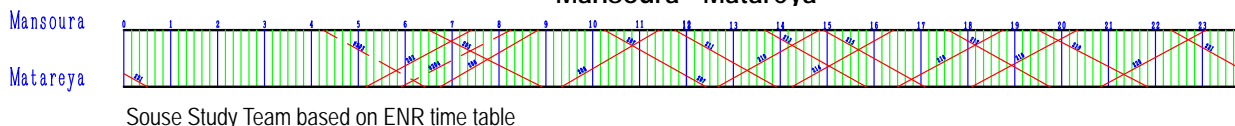


Figure App 2.20 Train Diagram (20)

Desouk – Motibus – El Bouseli

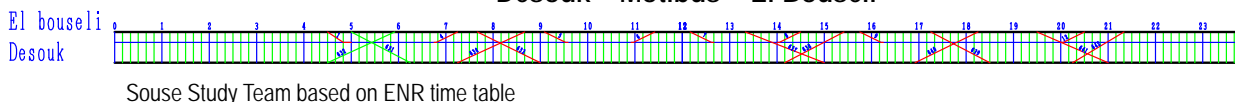


Figure App 2.21 Train Diagram (21)

Motibus – Qasabi

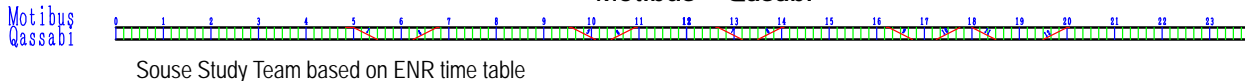


Figure App 2.22 Train Diagram (22)

Alexandria – Sidi Gabar – Manoura – El Bouseli -

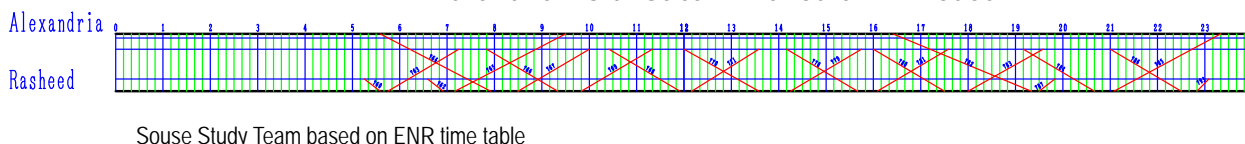
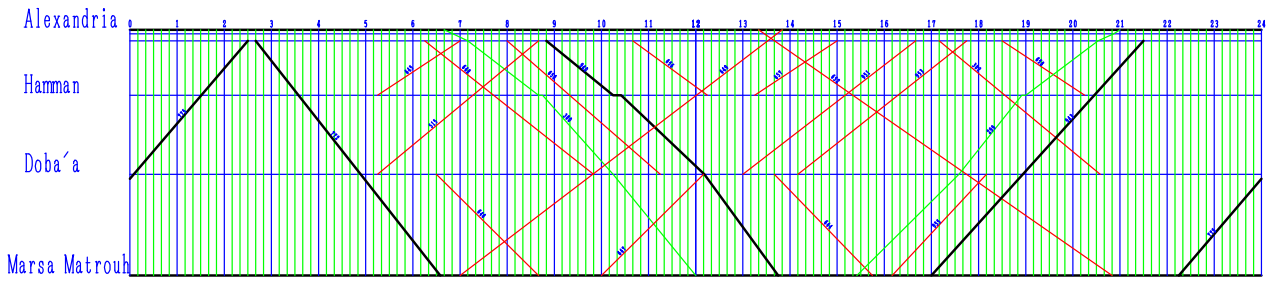


Figure App 2.23 Train Diagram (23)

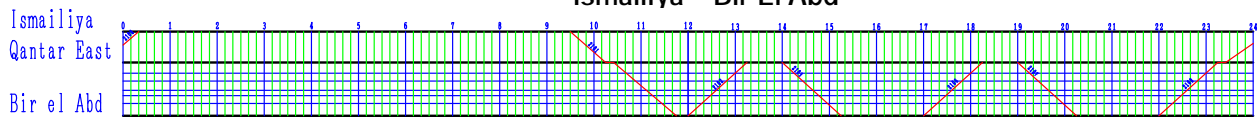
Alexandria – Marsa Matrauh



Souse Study Team based on ENR time table

Figure App 2.25 Train Diagram (25)

Ismailiya – Bir El Abd



Souse Study Team based on ENR time table

The line is currently closed due to track problem

Figure App 2.26 Train Diagram (26)

3. RUN CURVE (TRAIN OPERATION SPEED)

Figure App 3.1.1 to figure App 3.5 show the actual run curve traced by GPS data logger.

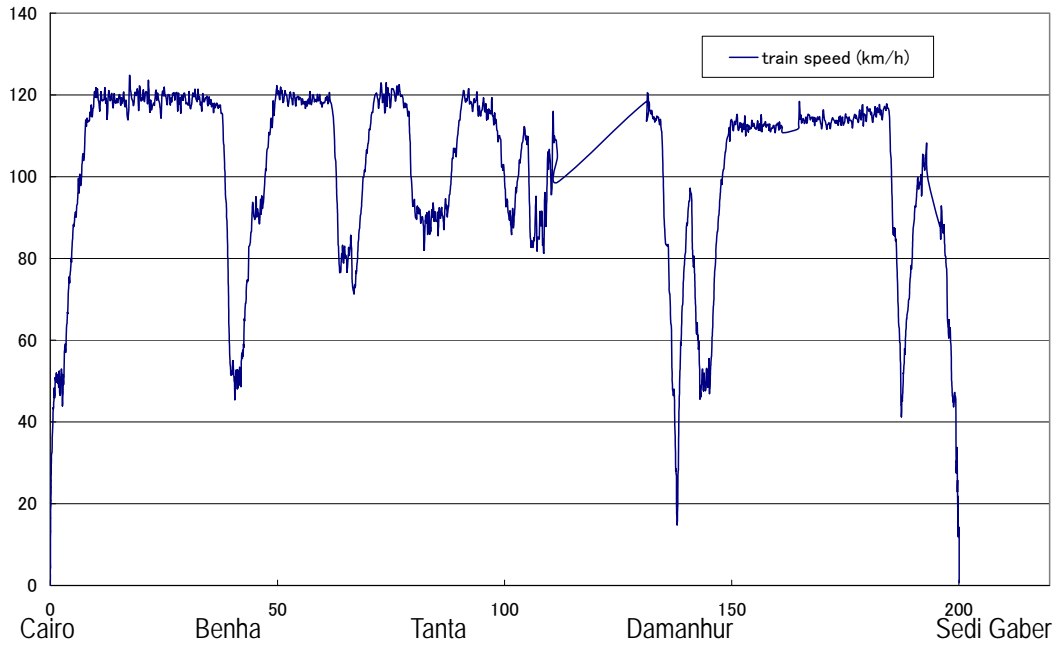


Figure APP 3.1 Run Curve (Cairo to Sidi Gabar)

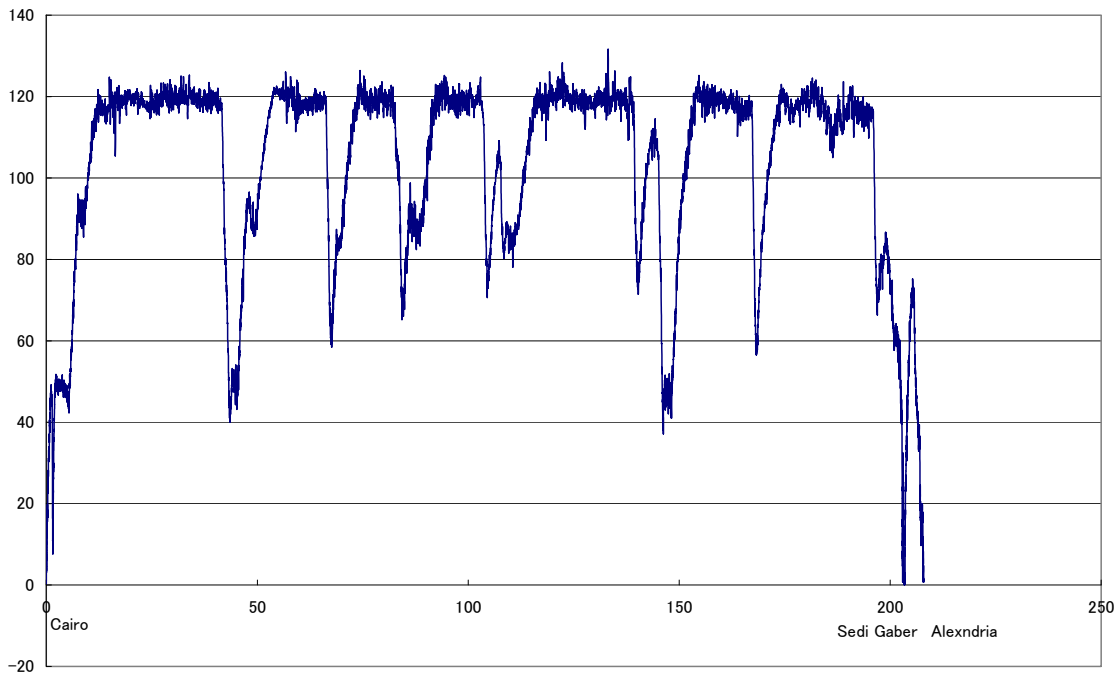


Figure APP 3.2 Run Curve (Cairo to Alexandria)

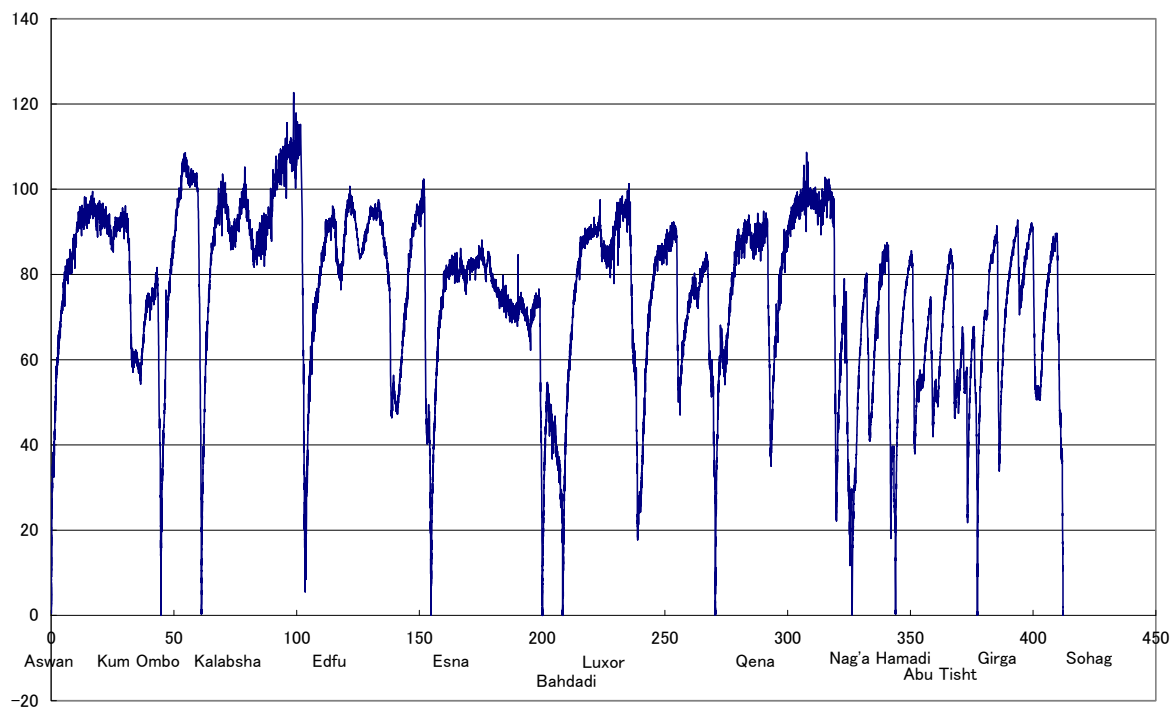


Figure APP 3.3.1 Run Curve (Aswan to Cairo 1)

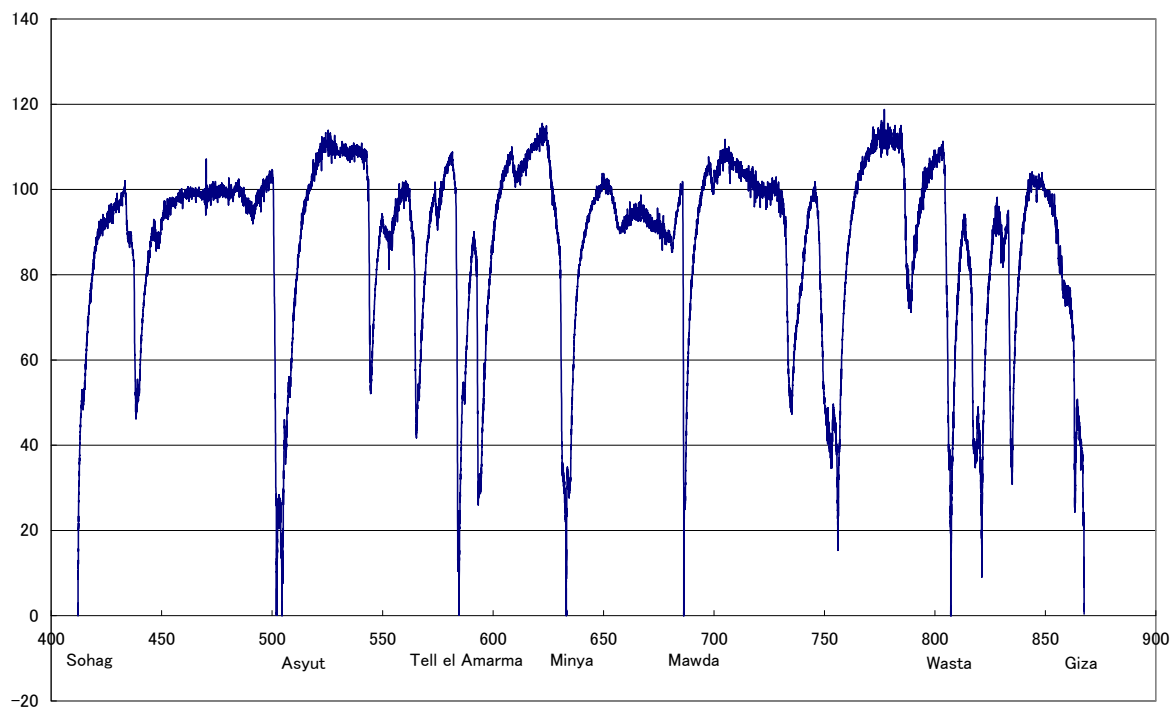


Figure APP 3.3.2 Run Curve (Aswan to Cairo 2)

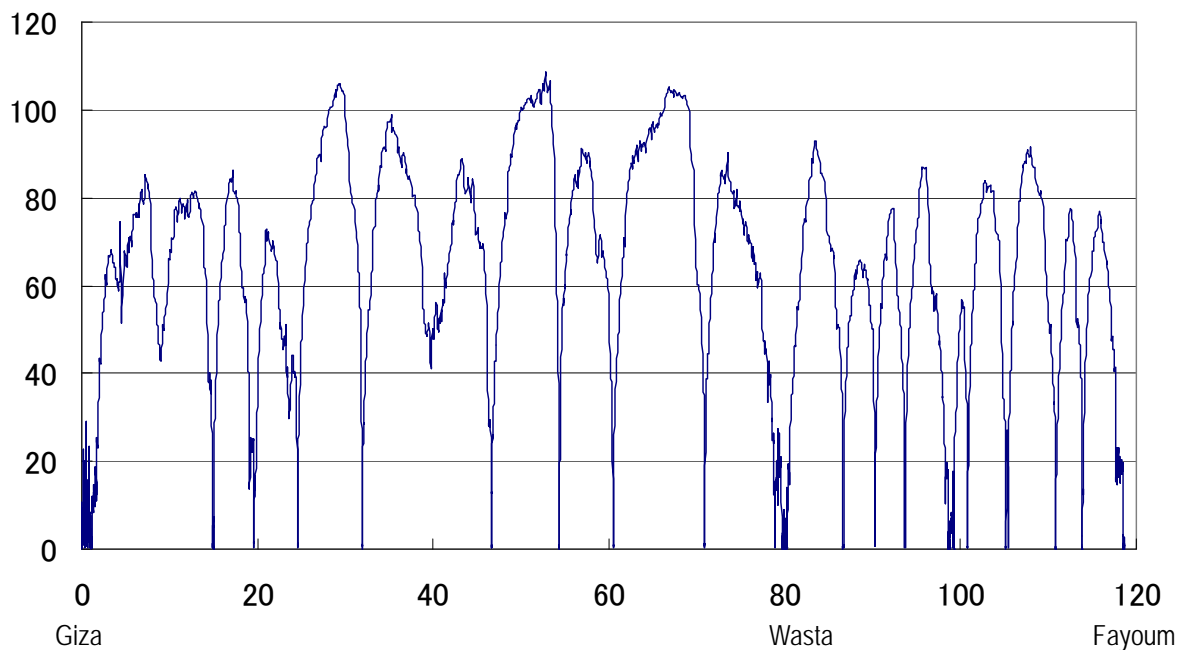


Figure APP 3.4 Run Curve (Giza to Fayoum)

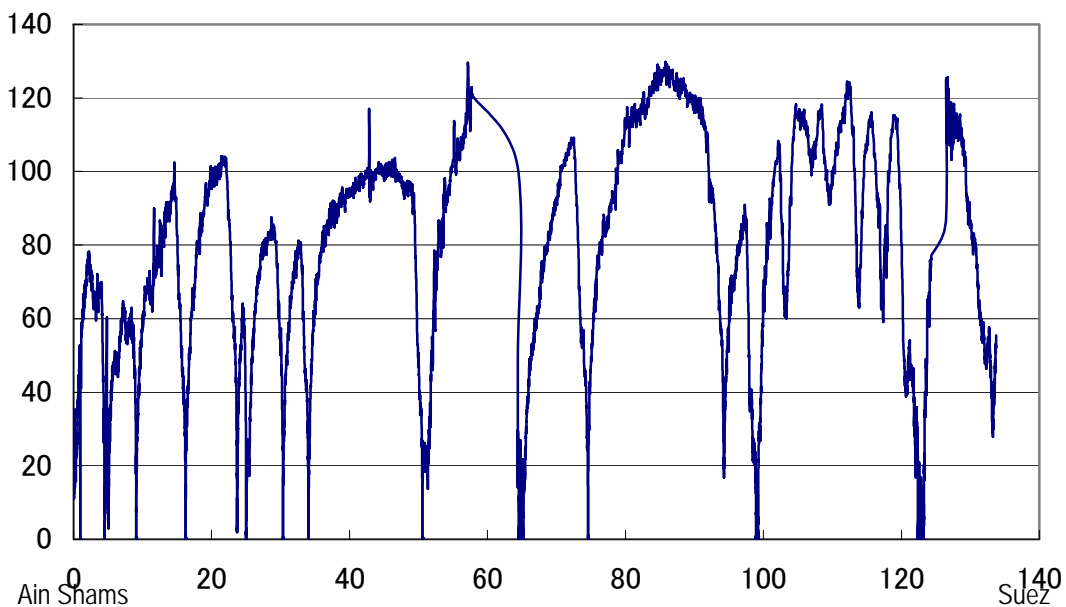


Figure APP 3.5 Run Curve (Ain Shams to Suez)

4. PROJECTS PROFILE

Following sheets are profile of the projects. Transportation Project Sheet (1) to (19) indicate the project planned by ENR. Transportation Project Sheet (20) to (30) indicate the project planned by Study Team.

Transportation Project Sheet (1)

Internal Code <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> RW 100 (to be given by the Study Team)	Prepares by: _____ Date: / / 2010
Original Code <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> (if any given by the Organization in charge) Project Title : <u> Rail Line for Borg Al Arabin - New Borg Al Arab City </u> <u> Double Tracking for Rail Line Al Qabbary Marsa Matrouh. </u>	Transport Mode <input type="checkbox"/> Road <input type="checkbox"/> IWT <input checked="" type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input type="checkbox"/> Port <input type="checkbox"/> Others
Project Description in Charge Duplication of the railway line Alkabbary Matrouh from 15 to 42.95km that the railway line Runs to the city of New Borg Al Arab. Step1: Double-tracking of the railway line . (28km in length) Step2: New railway line construction. (Double-track new line ,Single-track freight line.) (25km in length)	
Organization in charge: E.N.R – Management of projects Planned Implementation Period: <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> – <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> Information Source: Cost: E £ <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> million estimated in <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/>	Progress of the Project <input checked="" type="checkbox"/> 1 Under Construction <input type="checkbox"/> 2 Bidding/Constructing <input type="checkbox"/> 3 Financed/Budget Allotted <input type="checkbox"/> 4 D/D Completed <input type="checkbox"/> 5 F/S Completed <input type="checkbox"/> 6 Project Idea Stage
Route/Location Map 	Egypt

Transportation Project Sheet (2)

Internal Code RW 300
 (to be given by the Study Team)

Prepares by: Magdy
 Date: / / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Duplication of railway Ain Shame / Suez to serve
The new city in the east of Cairo and a link for
Tenth of Ramadan City.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 Branch link Tenth of Ramadan City the new railway line Qalyoub / Shebeen barrages /
 Zagazig at the railway station and go my Bilbeis Cairo / Ismailia Desert for agricultural and
 Reated railway Suez / Aine Shames when A:rubiky station serve the cites of the Tenth of
 Ramadan City and Badr,Sunrise. (50km in length)

Organization in charge: Management of projects and
 Contractors.

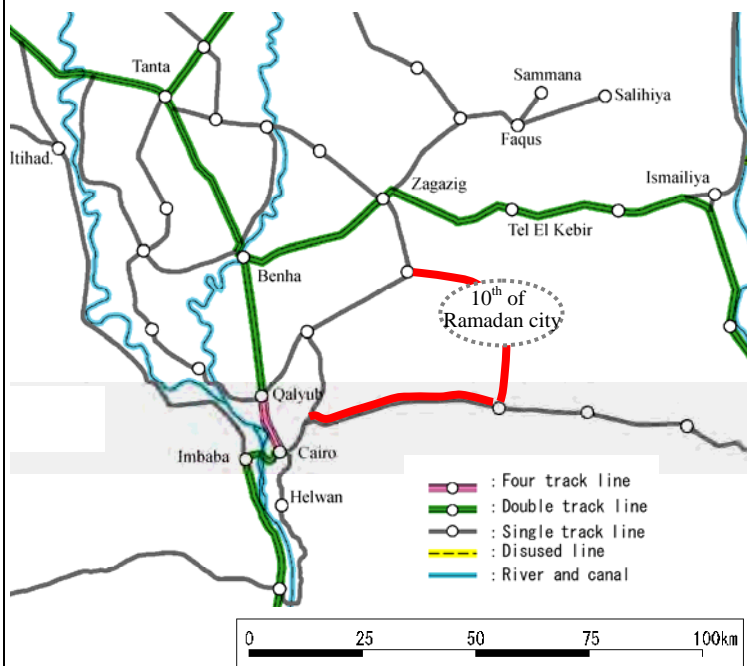
- Progress of the Project
- 1 Under Construction
 - 2 Bidding/Constructing
 - 3 Financed/Budget Allotted
 - 4 D/D Completed
 - 5 F/S Completed
 - 6 Project Idea Stage

Planned Implementation Period: -

Information Source: Infrastructure Section.

Cost: E £ million estimated in

Route/Location Map



Transportation Project Sheet (3)

Internal Code RW 307
 (to be given by the Study Team)

Prepares by: Magdy
 Date: 10 / 2 / 2010

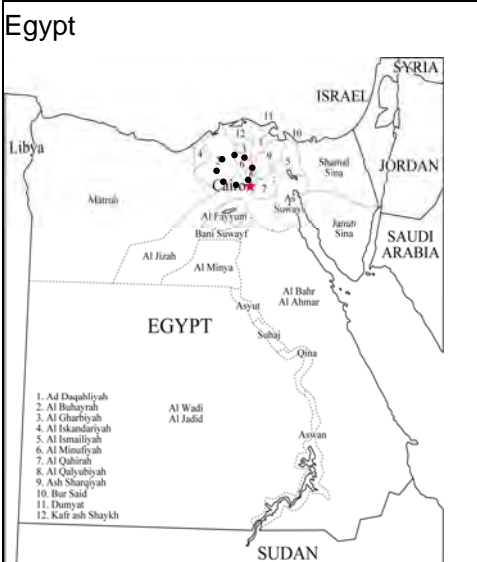
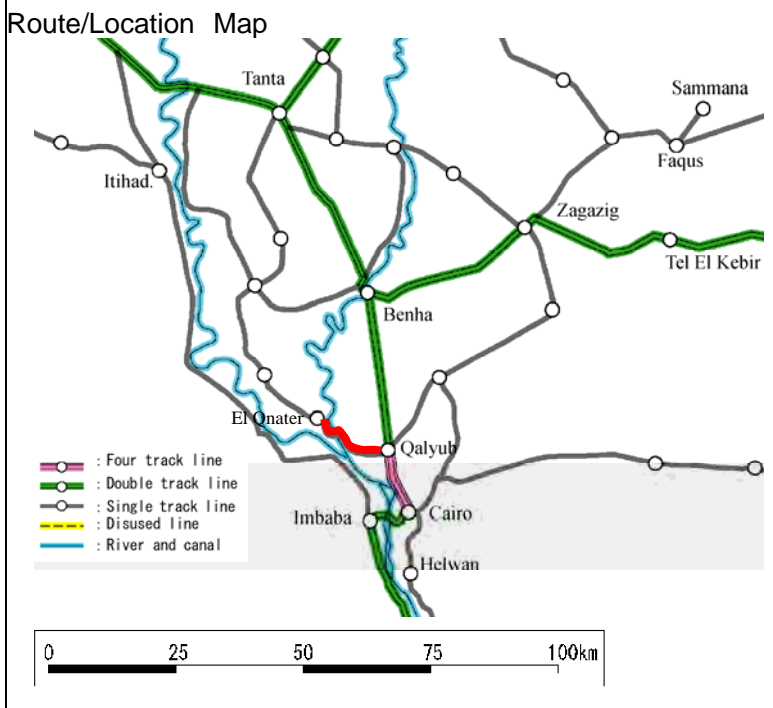
Original Code
 (if any given by the Organization in charge)
 Project Title : Double Tracking for Qalyoub – El Qnater.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 Duple tracking of the line between Qalyoub station and El Qnater station (20km in length)
 The cost is 100million EGP.

Organization in charge: E.N.R – Manegement of projects
 Planned Implementation Period: –
 Information Source: Infrastructure Section.
 Cost: E £ million estimated in

Progress of the Project
 1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (4)

Internal Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> RW 308 (to be given by the Study Team)	Prepares by: _____ Date: / 7 / 2010
---	--

Original Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> (if any given by the Organization in charge) Project Title : <u>Triple Tracking for Qalyoub- Benha.</u>	Transport Mode <input type="checkbox"/> Road <input type="checkbox"/> IWT <input checked="" type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input type="checkbox"/> Port <input type="checkbox"/> Others
---	---

Project Description in Charge

..... Triple tracking for the line between Qalyoub and Banha .(30km in length).....

..... The cost is 400 million EGP including 200million EGP of signal work.....

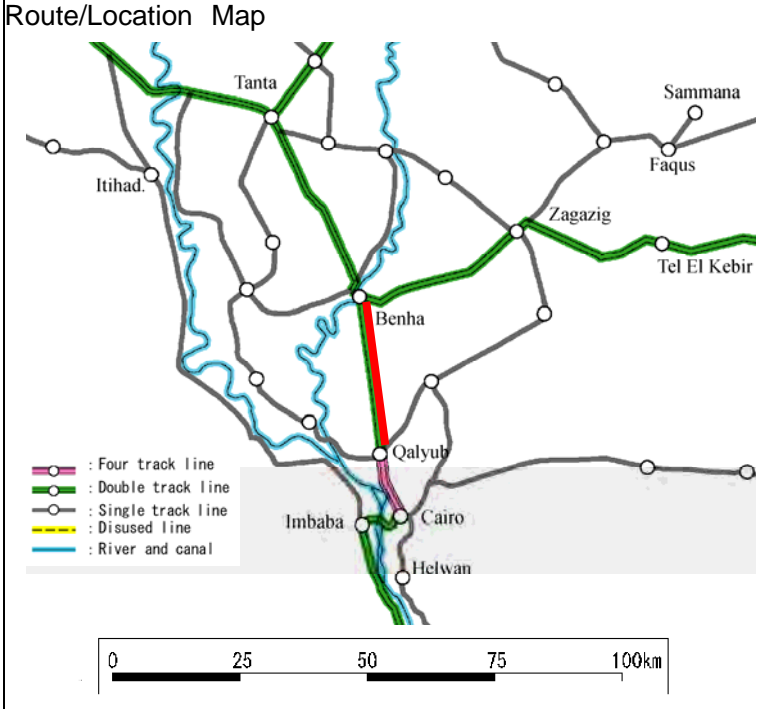
.....

.....

.....

.....

Organization in charge: E.N.R – Manegement of projects Planned Implementation Period: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Information Source: Infrastructure Section. Cost: E £ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> million estimated in <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Progress of the Project <input type="checkbox"/> 1 Under Construction <input type="checkbox"/> 2 Bidding/Constructing <input type="checkbox"/> 3 Financed/Budget Allotted <input type="checkbox"/> 4 D/D Completed <input type="checkbox"/> 5 F/S Completed <input checked="" type="checkbox"/> 6 Project Idea Stage
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Transportation Project Sheet (5)

Internal Code RW 306
 (to be given by the Study Team)

Prepares by: Magdy
 Date: 14 / 2 / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Development of Railway Bridge for Lemon – Abbaseya
- Tora.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

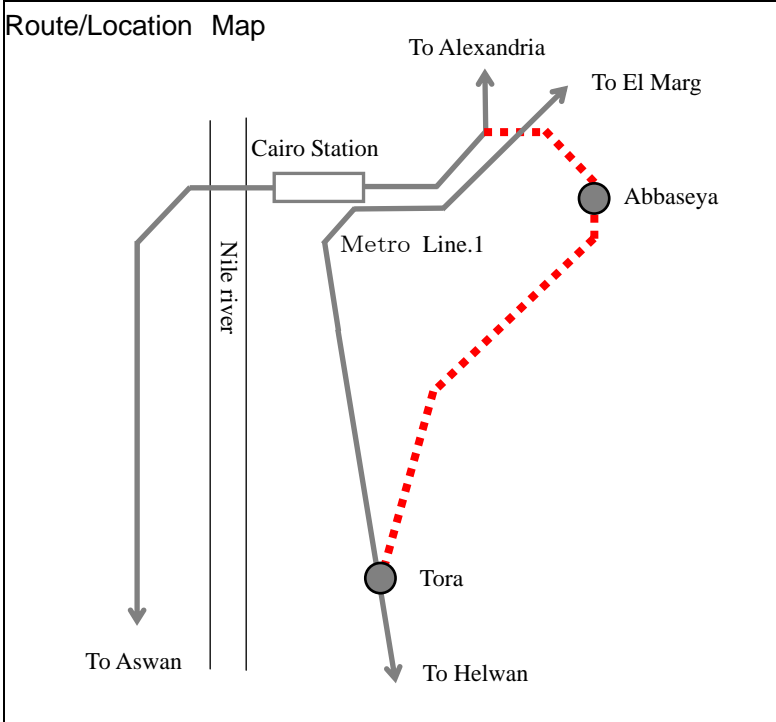
Project Description in Charge
Development of railway bridge for Lemon / Abbaseya / Tora.(20km in length)
The cost is 100million EGP.

Organization in charge: Management of projects and Contractors.

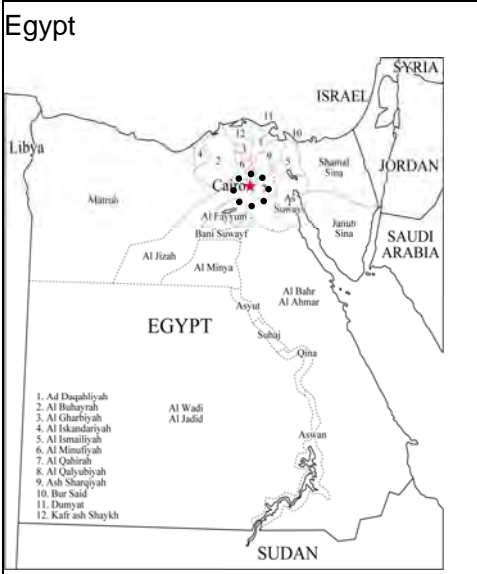
Planned Implementation Period: -

Information Source: Infrastructure Section.

Cost: E £ million estimated in



- Progress of the Project
- 1 Under Construction
 - 2 Bidding/Constructing
 - 3 Financed/Budget Allotted
 - 4 D/D Completed
 - 5 F/S Completed
 - 6 Project Idea Stage



Transportation Project Sheet (6)

Internal Code RW 309
 (to be given by the Study Team)

Prepares by: Magdy
 Date: 14 / 2 / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Double Tracking for Mansoura – Damietta.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

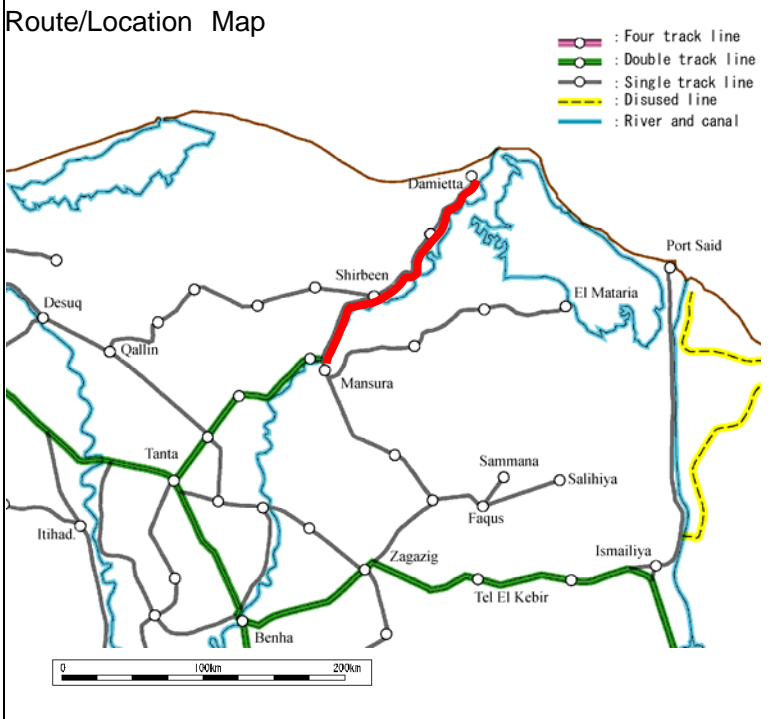
Project Description in Charge
Double tracking of the line between Mansura / Damietta. (72km in length)
The cost is 500 million EGP.

Organization in charge: Management of projects and Contractors.

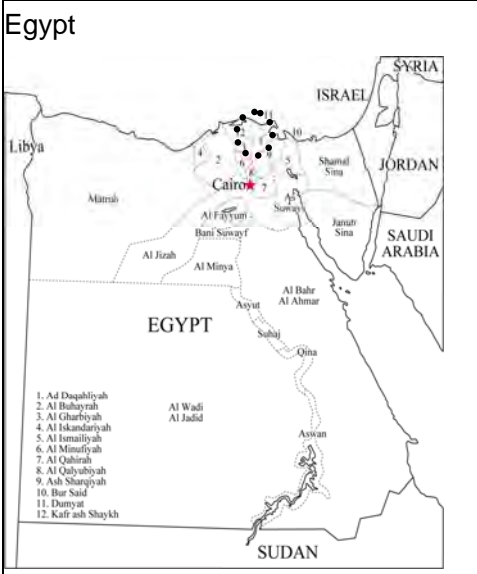
Planned Implementation Period: 2017 – 2020

Information Source: Infrastructure Section.

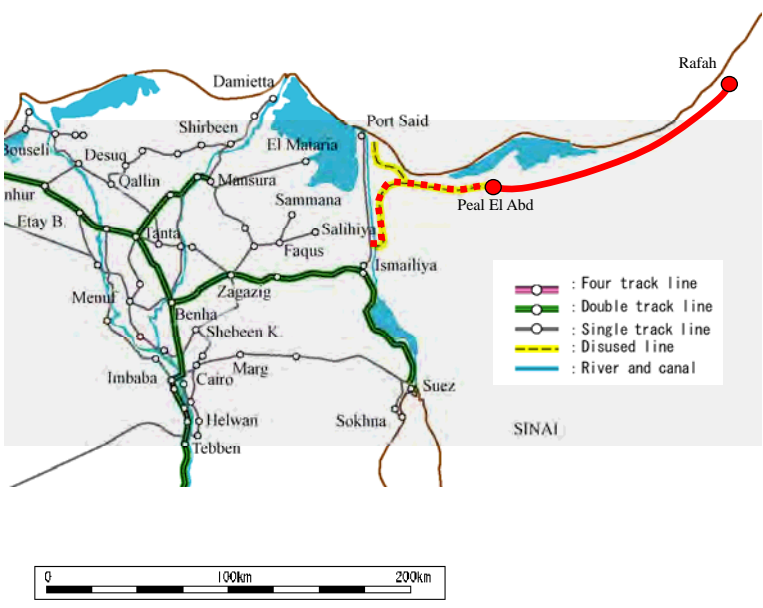

Cost: E £ 500 million estimated in 2010



- Progress of the Project
- 1 Under Construction
 - 2 Bidding/Constructing
 - 3 Financed/Budget Allotted
 - 4 D/D Completed
 - 5 F/S Completed
 - 6 Project Idea Stage



Transportation Project Sheet (7)

Internal Code <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> RW 312 (to be given by the Study Team)	Prepares by: <u>Magdy</u> Date: 14 / 2 / 2010
Original Code <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> <input style="width: 50px;" type="text"/> (if any given by the Organization in charge)	Transport Mode <input type="checkbox"/> Road <input type="checkbox"/> IWT <input checked="" type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input type="checkbox"/> Port <input type="checkbox"/> Others
Project Title : <u>Single Tracking for Bir El Abd – Rafah.</u>	
Project Description in Charge Construction of new single line for Bir El Abd / Rafah. (120km in length) The cost is 800 million EGP.	
Organization in charge: Management of projects and Contractors.	Progress of the Project <input type="checkbox"/> 1 Under Construction <input type="checkbox"/> 2 Bidding/Constructing <input type="checkbox"/> 3 Financed/Budget Allotted <input type="checkbox"/> 4 D/D Completed <input type="checkbox"/> 5 F/S Completed <input checked="" type="checkbox"/> 6 Project Idea Stage
Planned Implementation Period: <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> - <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	
Information Source: Infrastructure Section.	
Cost: E £ <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> million estimated in <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/> <input style="width: 30px;" type="text"/>	
Route/Location Map 	Egypt 

Transportation Project Sheet (8)

Internal Code RW 102
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

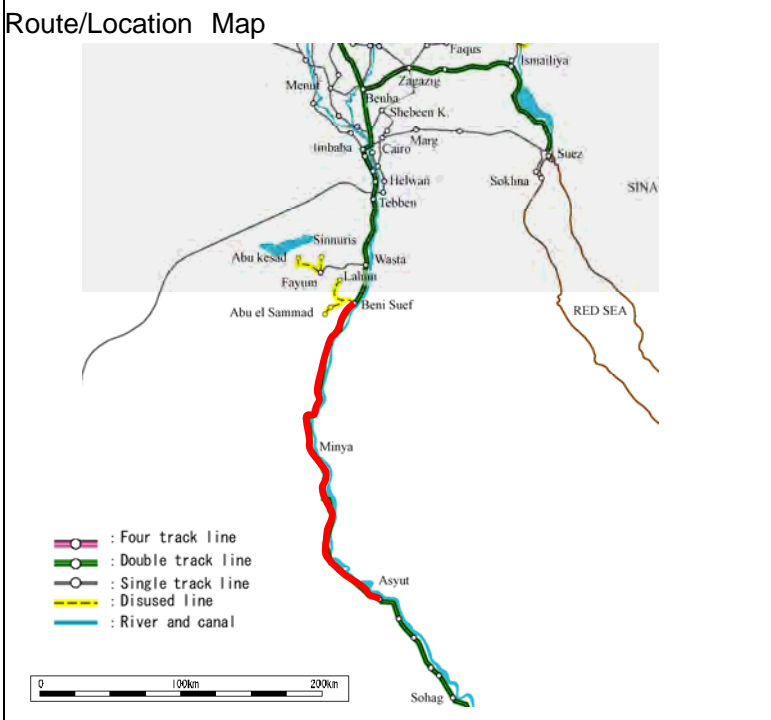
Original Code
 (if any given by the Organization in charge)
 Project Title : Replacement of the old Mechanical Interlocking system
by the Electronic Interlocking System for Beni Suef – Asyut.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 Replacement of the old mechanical interlocking system by the
 electronic interlocking system for the section from Beni Suef to Asyut. (251km in length)
 The cost is 1600 million EGP.

Organization in charge: ENR Signal Section
 Planned Implementation Period: 2012 – 2016
 Information Source: ENR Signal Section
 Cost: E £ 1600 million estimated in 2010

Progress of the Project
 1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (9)

Internal Code RW 310
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Improvement of Signaling System for Increase of Freight Trains for Tanta – Mansoura – Damietta

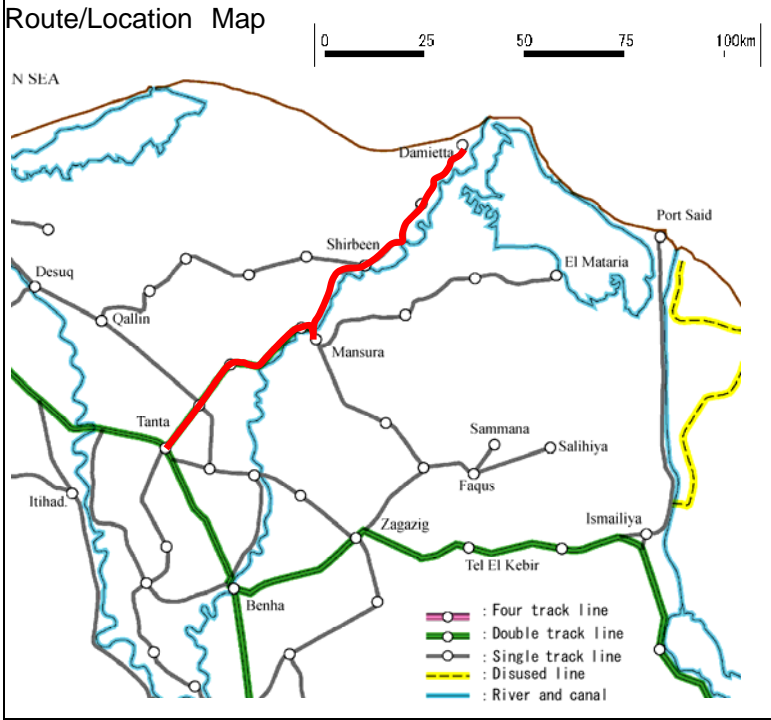
Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 Improvement of Tanta / Mansoura / Damietta corridor to secure safety and to increase the number of freight trains.
 The contents of the improvement are as follows:the upgrading of signaling installations, introduction of full new automatic block system with color light signals, replacement from current mechanical interlock system to electronic interlocking system,full new automatic level crossings, and introduction of new communication systems. (89km in length)
 The cost is 700 million EGP.

Organization in charge: ENR Signal Section
 Planned Implementation Period: 2012 – 2016
 Information Source: ENR Signal Section
 Cost: E £ 700 million estimated in 2010

Progress of the Project

- 1 Under Construction
- 2 Bidding/Constructing
- 3 Financed/Budget Allotted
- 4 D/D Completed
- 5 F/S Completed
- 6 Project Idea Stage



Transportation Project Sheet (10)

Internal Code RW 200
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Improvement of Signaling System for Increase of
Freight Trains for Benha - Port Said.

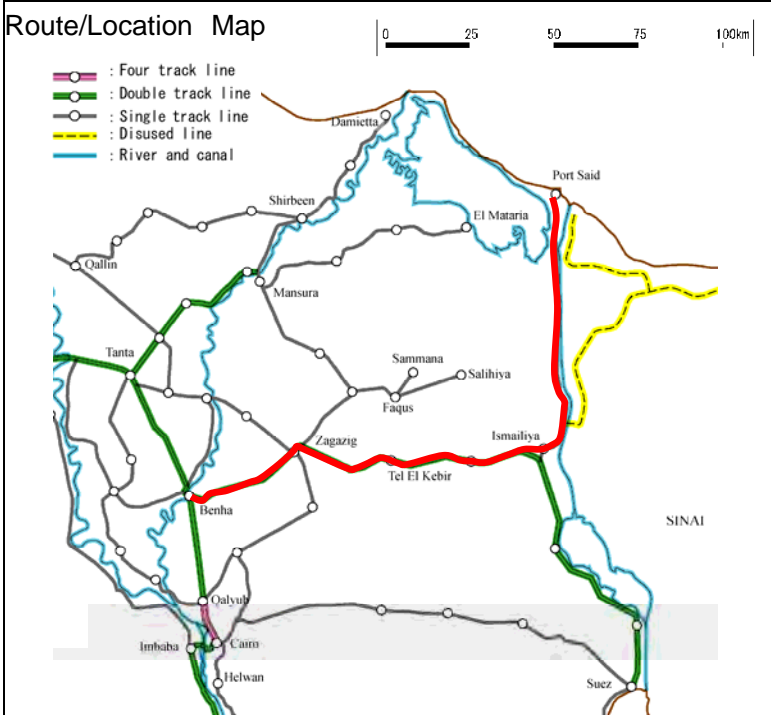
Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 Improvement of Benha / Zagazig / Ismailiya / Port Said to connect Port Said port with the ENR network, to increase the safety level, increase the maximum speed from 110 km/h to 140 km/h, and to increase the number of freight trains.
 The contents of the improvement are as follows: the upgrading of signaling, installations, introduction of full new automatic block system with color light signals, replacement of the current mechanical interlock system by the electronic interlocking system, full new automatic level crossings, and introduction of the new communication systems.
 Length : Track improvement : 79km , Signal improvement : 192km

Planned Implementation Period: -

Information Source: ENR Signal Section

Cost: E £ million estimated in



- Progress of the Project**
- 1 Under Construction
 - 2 Bidding/Constructing
 - 3 Financed/Budget Allotted
 - 4 D/D Completed
 - 5 F/S Completed
 - 6 Project Idea Stage



Transportation Project Sheet (11)

Internal Code RW 103
 (to be given by the Study Team)

Prepares by: _____
 Date: / 7 / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Improvement of Signaling System for Cairo – Alexandria, and Operation Assistance.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

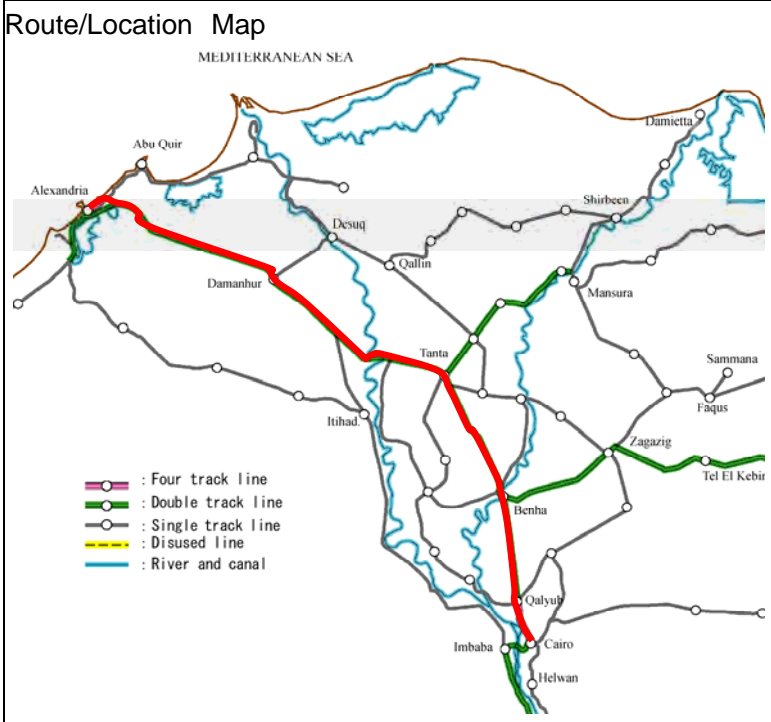
Project Description in Charge
 The improvement of signaling system from Cairo to Alexandria. (208km in length)
 This Project involves the development of the all necessary design, supplying, construction,
 Phasing, Testing and commissioning, Spare Parts, Training, Documentation, two years of Total
 guarantee and assistance in operation plus, as option maintenance services and assistance in
 operation during five years.
 - The creation of new Communication systems for the complete line.
 - Passengers' information system. - Telephony system.
 - Interfaces Radio system. - Data voice and video transmission network.
 - Increase the line speed from 140Km/h to 160Km/h

Organization in charge: E.N.R – Manegement of projects

Planned Implementation Period: 2012 – 2016

Information Source: E.N.R

Cost: E £ 1530 million estimated in 2010



- Progress of the Project**
- 1 Under Construction
 - 2 Bidding/Constructing
 - 3 Financed/Budget Allotted
 - 4 D/D Completed
 - 5 F/S Completed
 - 6 Project Idea Stage



Transportation Project Sheet (12)

Internal Code RW 108
 (to be given by the Study Team)

Prepares by: _____
 Date: / 7 / 2010

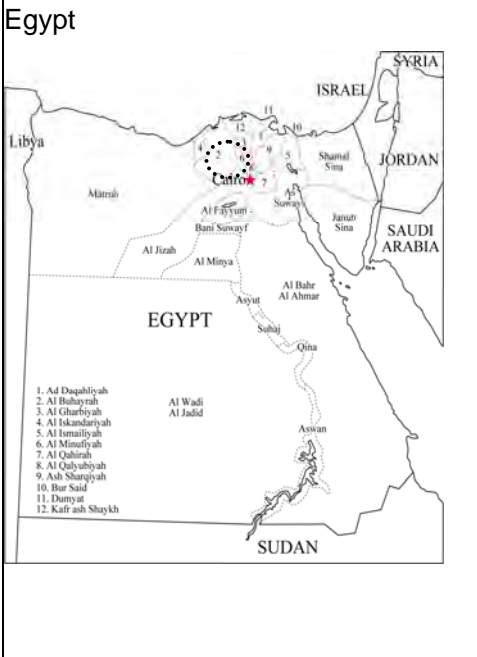
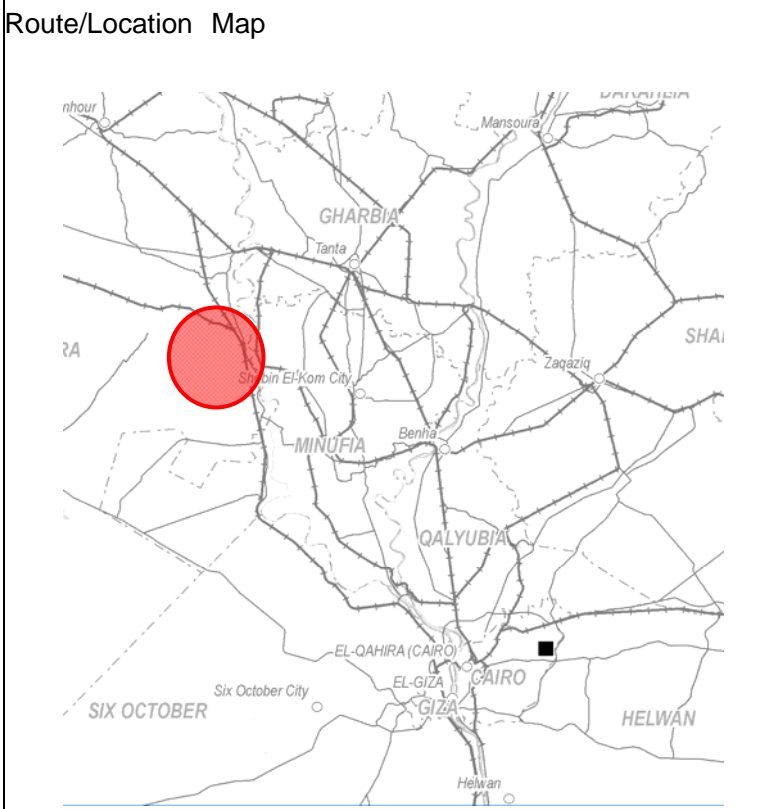
Original Code
 (if any given by the Organization in charge)
 Project Title : Single Tracking to Kafr Dawood - Sadat City

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
The new line start from 66.7km from line Embaba - Etay El Barud. (34.4km in length).....
The line consists of 3station and 1 bridge.....
Now Project is stopping because Recurred Right of way(Row) issue. (18km in length).....

Organization in charge:
 Planned Implementation Period: 2009 - 2014
 Information Source: ENR Project General Manger
 Cost: E £ 3 0 0 million estimated in 2010

Progress of the Project
 1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (13)

Internal Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> RW 301 (to be given by the Study Team)	Prepares by: _____ Date: / 7 / 2010
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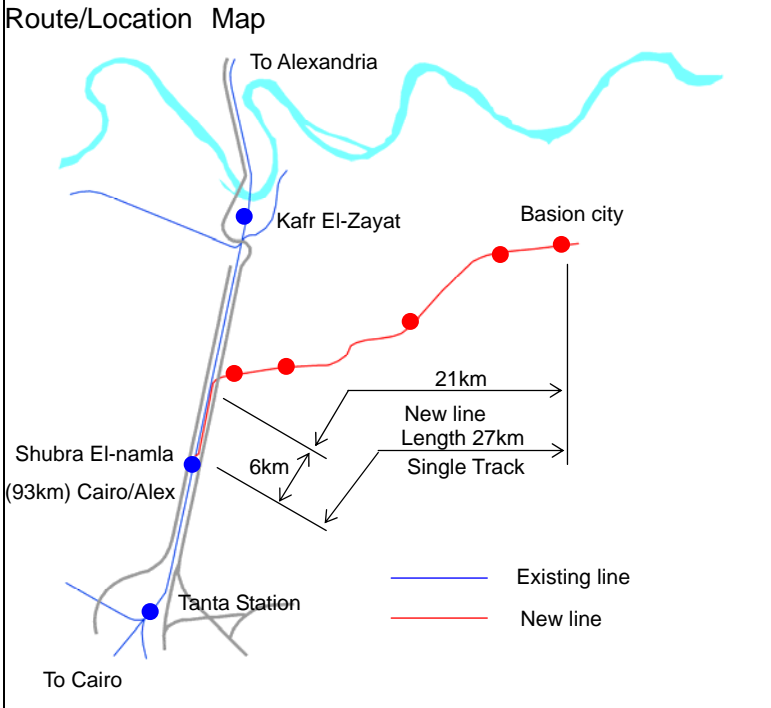
Original Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> (if any given by the Organization in charge) Project Title : <u>Single Tracking in Basion City.</u>	Transport Mode <input type="checkbox"/> Road <input type="checkbox"/> IWT <input checked="" type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input type="checkbox"/> Port <input type="checkbox"/> Others
---	---

Project Description in Charge
 Construction of a line for Basion city branched from cairo - Alex line - [shubra el Namela station].....
 (27 km in length).....
 The new line includes 4 station and 3 railway bridge.some Pipelines for passing water from.....
 canal and drainage.....
 85 acre is needed for Right of way.....

Organization in charge: E.N.R – Manegement of projects
 Planned Implementation Period: 2013 – 2016
 Information Source:
 Cost: E £ 2000 million estimated in 2010

Progress of the Project

1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (14)

Internal Code RW 302
 (to be given by the Study Team)

Prepares by: _____
 Date: / 7 / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Single Tracking for Kafr El-Batikh - New Damietta City.

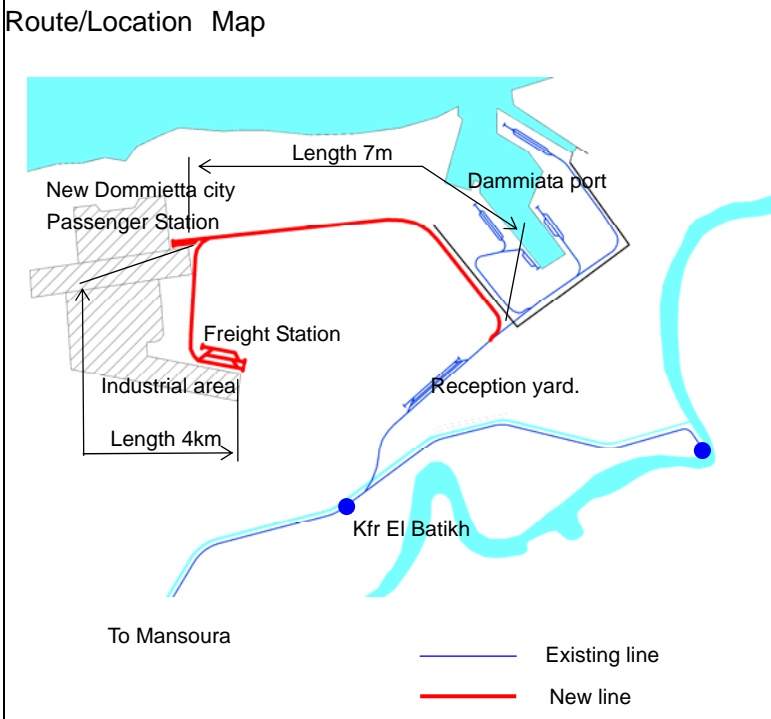
Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 This branch line starts from Kfr Batikh (Mansura / Damietta).
 Its length is 7km and another branch line to the industrial Region is 4km in length.
 17 acre is needed for right of way.

Organization in charge: E.N.R – Manegement of projects
 Planned Implementation Period: 2016 – 2021
 Information Source: ENR Project General Manger
 Cost: E £ 70 million estimated in 2010

Progress of the Project

- 1 Under Construction
- 2 Bidding/Constructing
- 3 Financed/Budget Allotted
- 4 D/D Completed
- 5 F/S Completed
- 6 Project Idea Stage



Transportation Project Sheet (15)

Internal Code RW 303
 (to be given by the Study Team)

Prepares by: _____
 Date: / 7 / 2010

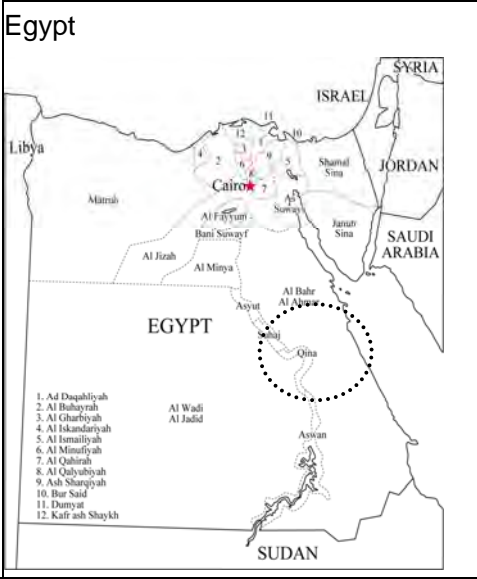
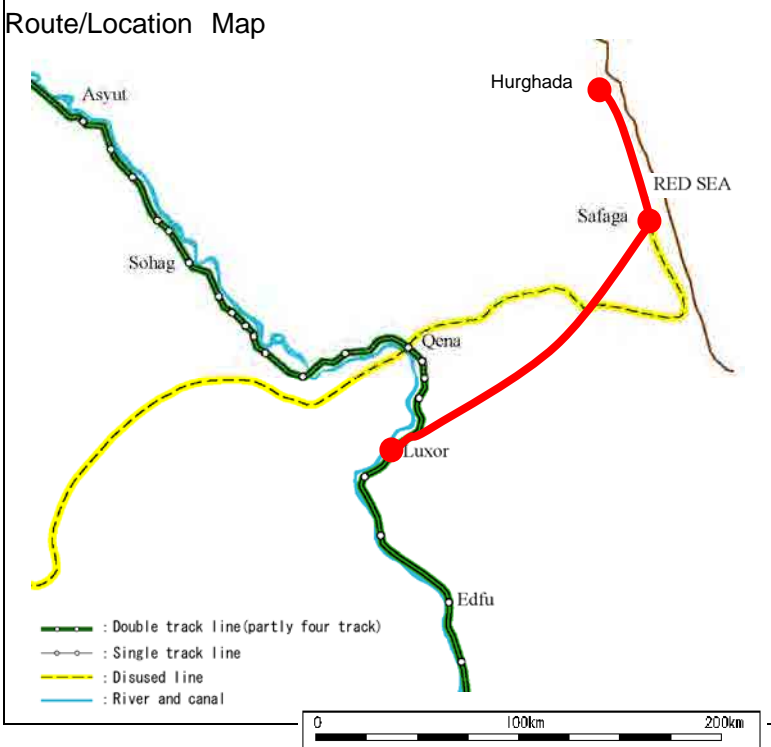
Original Code
 (if any given by the Organization in charge)
 Project Title : Single Tracking for Luxor – Hurghada.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 It takes two hours between the two cities with the speed of 150 km/h.
 The track can be divided into three sections.
 First section is about 100 km in length, starting from south Hurghada airport and running along Hurghada/Quseir road and Red Sea coast passing Safaga. This section is almost flat.
 As for the second section, it runs to the west towards Luxor direction. It is 140 km in length and passing through rugged mountainous areas.
 The third section is 54 km in length passing by easy slopes till joining Cairo/Aswan line up to Luxor.

Organization in charge: E.N.R – Management of projects
 Planned Implementation Period: 2015 – 2020
 Information Source: ENR Initial Design Report
 Cost: E £ 3600 million estimated in 2009

Progress of the Project
 1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (16)

Internal Code RW 304
 (to be given by the Study Team)

Prepares by: _____
 Date: / 7 / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : High Speed Railway for Cairo – Alexandria.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge

High-Speed-railway project is due to establish an Outdoor station in the west side of the Cairo , and to connect it to Alexandria.

The route is planned to be constructed along the desert road which exists in the west side of current Cairo-Alexandria line.

Comparison study of two main routes was carried out and comparison study of the 3 plan was carried out concerning the connection with terminal.

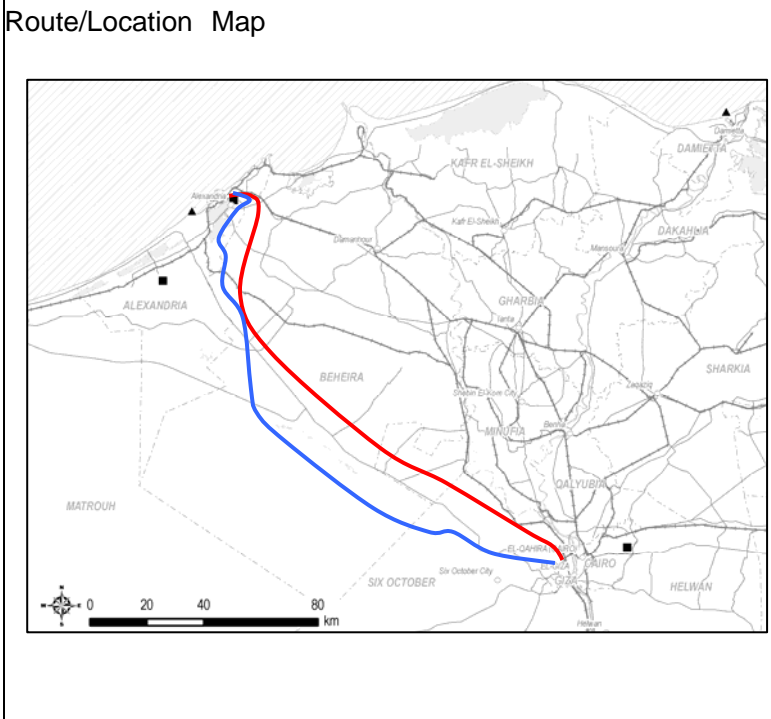
The Route is about 220 km in length.

The operational maximum speed was planned at 300 km/h.

Organization in charge: E.N.R – Manegement of projects
 Planned Implementation Period: 2022 – 2027
 Information Source: Pre-Feasibility Study Report.
 Cost: E £ 15110 million estimated in 2010

Progress of the Project

1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (17)

Internal Code RW 101
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Cairo Metro No. 3 Line Phase 1&2(Phase 3&4: F/S completed).

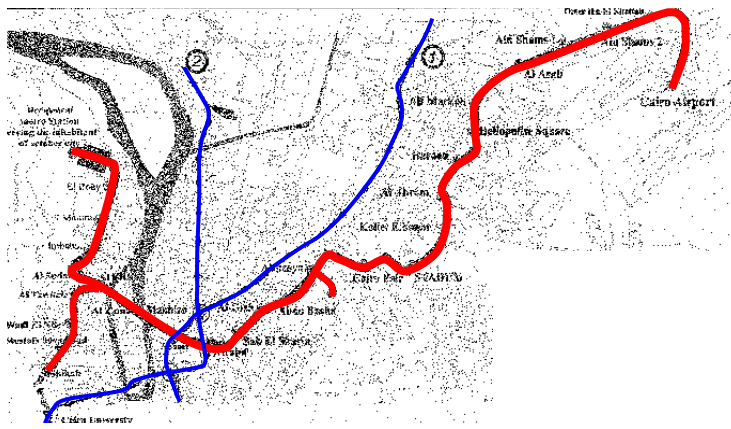
Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 A project completes the metro No. 3 line of now under construction through 4 phase of construction. Total length 34.20km. Total Number of station 33.
Phase 1. : Construction between Abbiasis-Ahram of the Cairo central part east side.
 Length:4.30 km Number of stations :5 Under construction. Cost : 3.09Billion EGP
Phase 2. : Extension to the east side of the Phase1 section.
 Length:7.12 km Number of stations :4. Under construction. Cost : 1.92Billion EGP
Phase 3. : The Nile River is crossed to the west side of the Phase1 section, and is been and extended to it. It branches in a north-south route at an intermediate Al Kitkat station.
 Length:15 km Under study .(In 2010.)
Phase 4. : It extends to the east side of the Phase2 section, and a cairo airport is accessed.
 Length:12.1 km. Number of stations :8 Some sections are under study. (In 2010.)

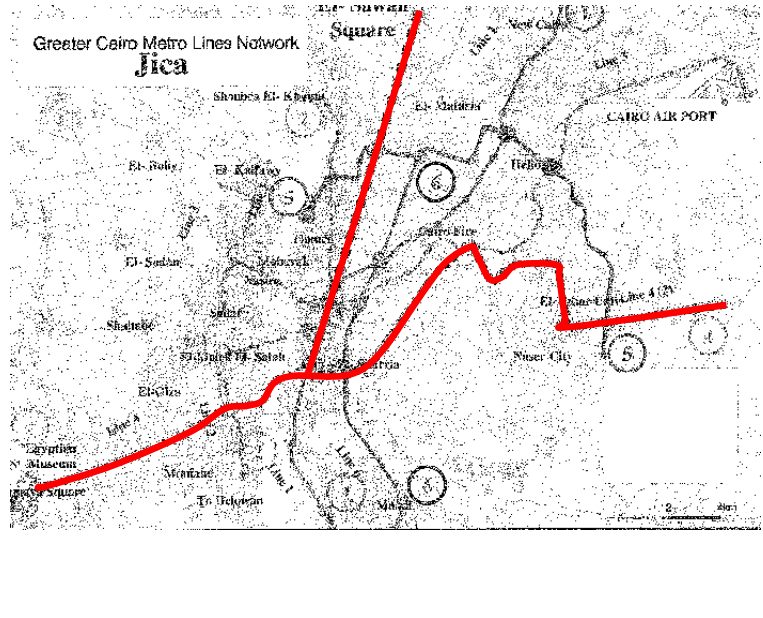

Organization in charge:
 Planned Implementation Period: -
 Information Source: National Ajthority for Tunnels (NAT)
 Cost: E £ million estimated in

- Progress of the Project**
- 1 Under Construction
 - 2 Bidding/Constructing
 - 3 Financed/Budget Allotted
 - 4 D/D Completed
 - 5 F/S Completed
 - 6 Project Idea Stage

Route/Location Map



Transportation Project Sheet (18)

Internal Code <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> RW 305 (to be given by the Study Team)	Prepares by: <u>Magdy</u> Date: 10 / 2 / 2010
Original Code <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> (if any given by the Organization in charge) Project Title : <u>Cairo Metro Line No. 4.</u>	Transport Mode <input type="checkbox"/> Road <input type="checkbox"/> IWT <input checked="" type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input type="checkbox"/> Port <input type="checkbox"/> Others
Project Description in ChargeThe metro No.4 line construction project consists of 3 phases..... Phase 1. : Construction between Grand Museum-El Malik El Salih.....Length:14 km. Cost Estimated : 5 Billion EGP F/S completed..... Phase 2,3 : Poject idea stage.....	
Organization in charge: Planned Implementation Period: <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> - <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> Information Source: National Ajthority for Tunnels (NAT). Cost: E £ <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> million estimated in <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/>	Progress of the Project <input type="checkbox"/> 1 Under Construction <input type="checkbox"/> 2 Bidding/Constructing <input type="checkbox"/> 3 Financed/Budget Allotted <input type="checkbox"/> 4 D/D Completed <input checked="" type="checkbox"/> 5 F/S Completed <input checked="" type="checkbox"/> 6 Project Idea Stage
Route/Location Map 	Egypt 

Transportation Project Sheet (20)

Internal Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> W-403 (to be given by the Study Team)	Prepares by: _____ Date: / / 2010
Original Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> (if any given by the Organization in charge)	Transport Mode <input type="checkbox"/> Road <input type="checkbox"/> IWT <input checked="" type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input type="checkbox"/> Port <input type="checkbox"/> Others
Project Title : <u>Double tracking of Bypass Line for Cairo – New Alexandria</u>	

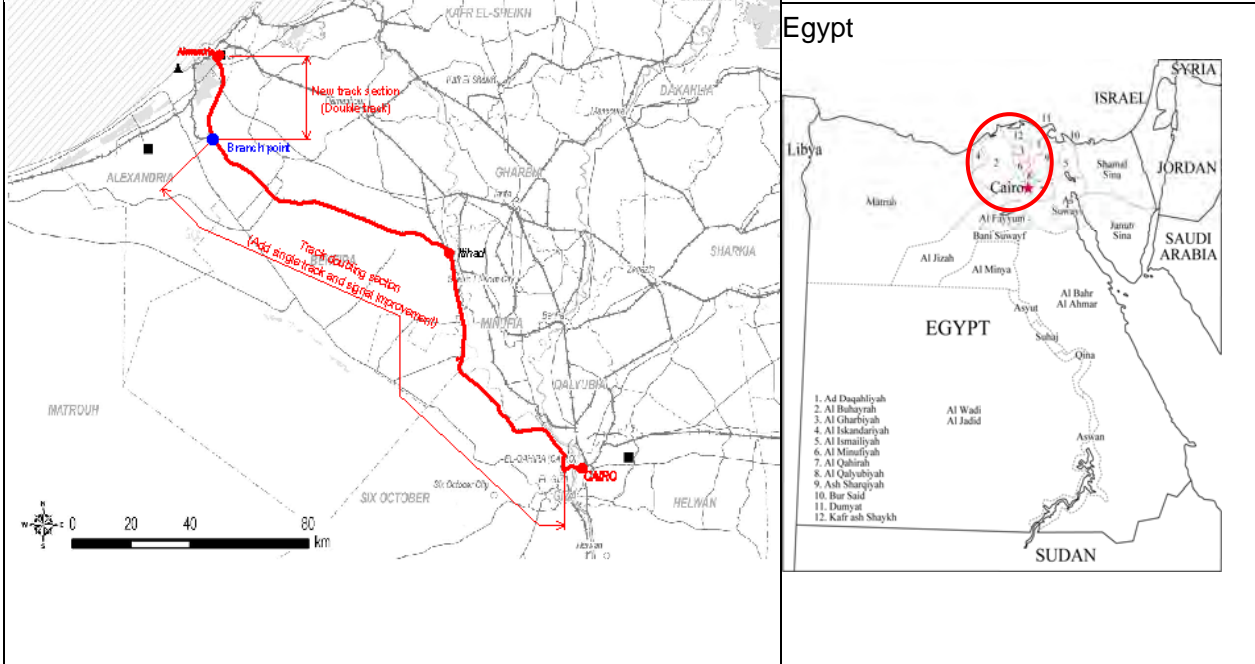
Project Description in Charge

.....The project is double tracking of El Giza – Imbaba – El lthad – Qabbary - New Alexandria to cope with the increasing demand between Cairo – Alexandria, 223 km in length. Stations is improved also...

.....By this double tracking, mainly special passenger trains between Cairo and Alexandria will be able to be transferred to this line. This line will be used for freight trains as well.....

.....

Organization in charge: Planned Implementation Period: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> – <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	Progress of the Project <input type="checkbox"/> 1 Under Construction <input type="checkbox"/> 2 Bidding/Constructing <input type="checkbox"/> 3 Financed/Budget Allotted <input type="checkbox"/> 4 D/D Completed <input type="checkbox"/> 5 F/S Completed <input checked="" type="checkbox"/> 6 Project Idea Stage
Information Source: JICA Study Team	
Cost: E £ <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 4 20 0 million estimated in <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 2 0 1 1	



Transportation Project Sheet (21)

Internal Code RW-400
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

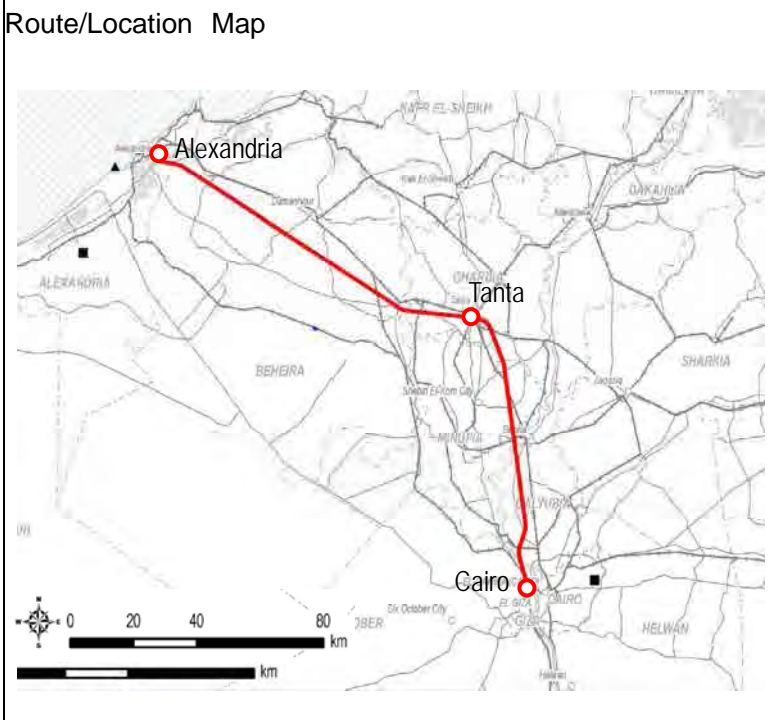
Original Code
 (if any given by the Organization in charge)
 Project Title : High Speed Railway for Cairo – Alexandria via Tanta

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 Construction of High Speed Railway between Cairo – Alexandria via Tanta. 196 km in length.....
 Maximum speed is 300 km/h.....
 At Tanta, important junction, passengers of current railway are able to exchange trains to and.....
 from High Speed Railway.....
 Construction of depot and workshop for the maintenance of High Speed Railway cars.....
 Procurement of High Speed Railway cars.....

Organization in charge:
 Planned Implementation Period: 2022 - 2027
 Information Source: JICA Study Team
 Cost: E £ 20000 million estimated in 2011

Progress of the Project
 1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (22)

Internal Code RW-407
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Single Tracking for Robeki – Helwan

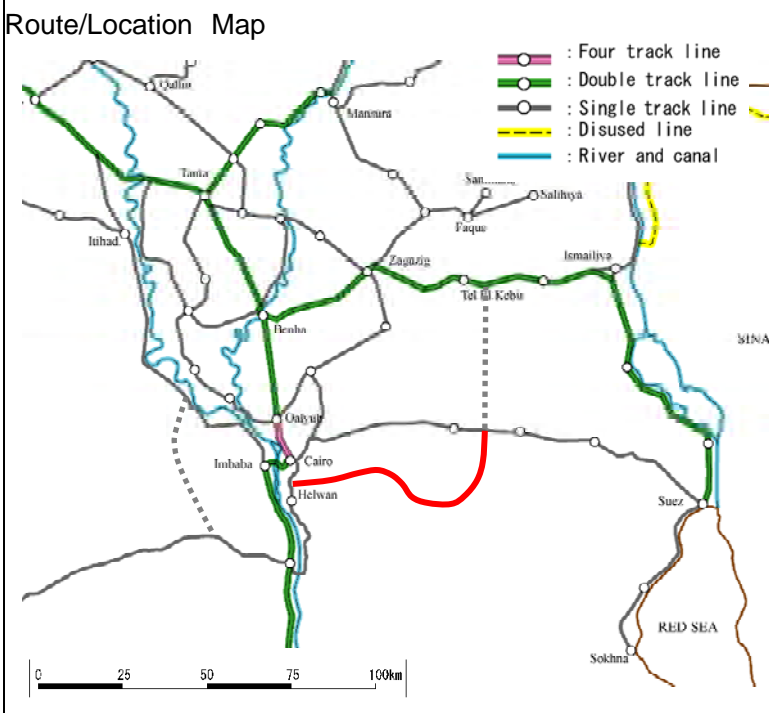
Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 The line is to connect Robeki st. (between Ein Shams and Suez) of the newly planned line
 through industrial city, 10 of Ramadan with Herwan. By this line, freight transportation between
 the line through industrial city, 10 of Ramadan to 6th of October through Herwan can be
 available.

Organization in charge:
 Planned Implementation Period: -
 Information Source: JICA Study Team
 Cost: E £ million estimated in

Progress of the Project

- 1 Under Construction
- 2 Bidding/Constructing
- 3 Financed/Budget Allotted
- 4 D/D Completed
- 5 F/S Completed
- 6 Project Idea Stage



Transportation Project Sheet (23)

Internal Code RW-406
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

Original Code
 (if any given by the Organization in charge)
 Project Title : Railway Link for 6th of October City.

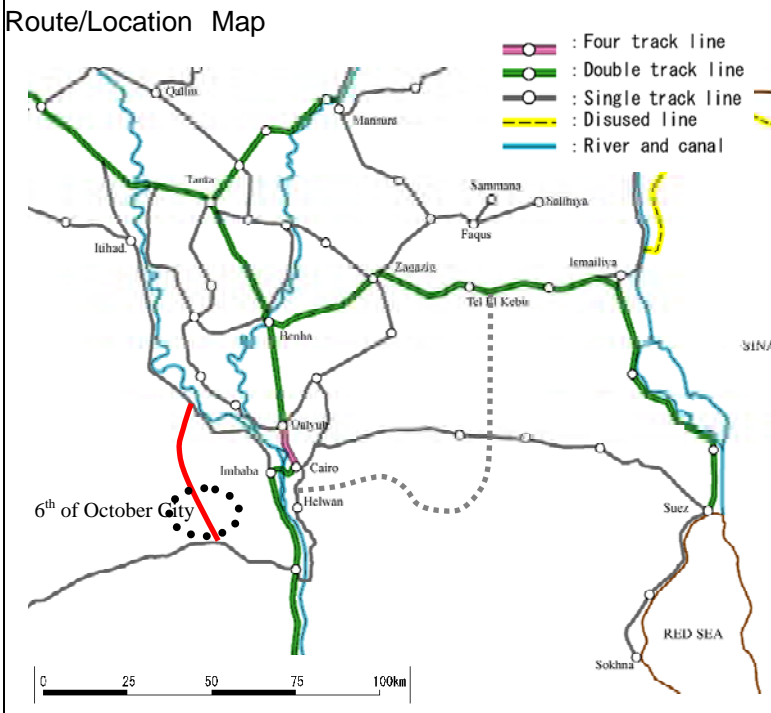
Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 The line is to connect the Double Tracking Bypass Line for Cairo – New Alexandria with the
 line (between Maraziq to Managem) through industrial city, 6th of October. By the route
 freight transportation by railway between Alexandria and 6 of October can be available.

Organization in charge:
 Planned Implementation Period: –
 Information Source: JICA Study Team
 Cost: E £ million estimated in

Progress of the Project

- 1 Under Construction
- 2 Bidding/Constructing
- 3 Financed/Budget Allotted
- 4 D/D Completed
- 5 F/S Completed
- 6 Project Idea Stage



Transportation Project Sheet (24)

Internal Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> RW-420 (to be given by the Study Team)	Prepares by: _____ Date: / / 2010
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Original Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> (if any given by the Organization in charge) Project Title : <u>Railway Link between Sokhna Port to Helwan</u>	Transport Mode <input type="checkbox"/> Road <input type="checkbox"/> IWT <input checked="" type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input type="checkbox"/> Port <input type="checkbox"/> Others
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Project Description in Charge
The line is to connect Sokhna Port to Helwan, 111 km in length.....
By this line and the new line of RW-313, the link of Sokhna Port - 10th of October – Alexandria is formed.....

Organization in charge: _____

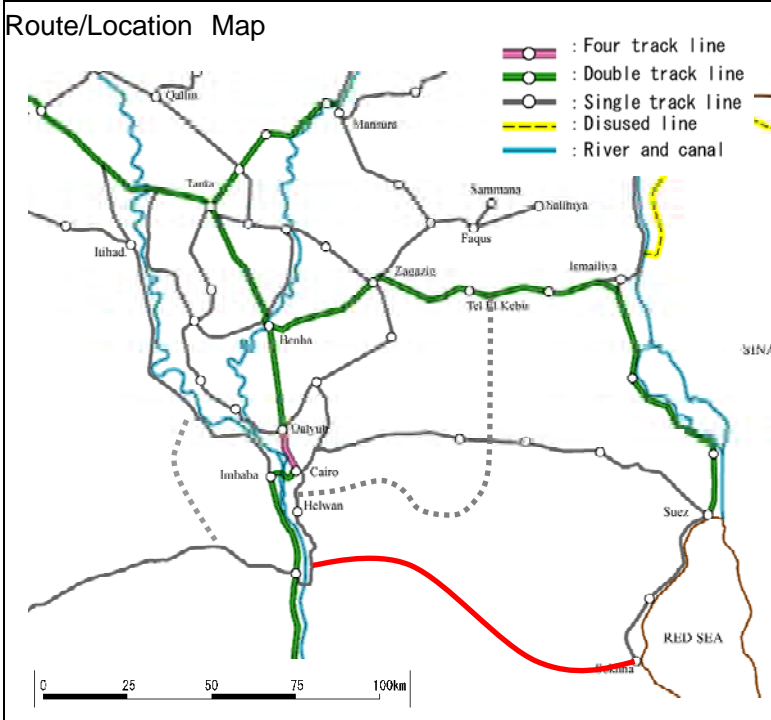
Planned Implementation Period: –

Information Source: JICA Study Team

Cost: E £ million estimated in

Progress of the Project

<input type="checkbox"/> 1	Under Construction
<input type="checkbox"/> 2	Bidding/Constructing
<input type="checkbox"/> 3	Financed/Budget Allotted
<input type="checkbox"/> 4	D/D Completed
<input type="checkbox"/> 5	F/S Completed
<input checked="" type="checkbox"/> 6	Project Idea Stage



Transportation Project Sheet (25)

Internal Code <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> RW 401 (to be given by the Study Team)	Prepares by: _____ Date: / 7 / 2010
Original Code <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> <input style="width: 40px;" type="text"/> (if any given by the Organization in charge) Project Title : <u>Improvement of Track Arrangement for Cairo - Qalyub</u>	Transport Mode <input type="checkbox"/> Road <input type="checkbox"/> IWT <input checked="" type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input type="checkbox"/> Port <input type="checkbox"/> Others
Project Description in Charge Construction of elevated railway at Qalyub Station for the train operation to and from Cairo and Minuf. Construction of new platforms and new lines at Cairo Station Rearrangement of lines at Cairo Station and Qalyub Station	
Organization in charge: E.N.R – Management of projects Planned Implementation Period: <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> – <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> Information Source: E.N.R Cost: E £ <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> million estimated in <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/> <input style="width: 20px;" type="text"/>	Progress of the Project <input type="checkbox"/> 1 Under Construction <input type="checkbox"/> 2 Bidding/Constructing <input type="checkbox"/> 3 Financed/Budget Allotted <input type="checkbox"/> 4 D/D Completed <input type="checkbox"/> 5 F/S Completed <input checked="" type="checkbox"/> 6 Project Idea Stage
Route/Location Map 	Egypt

Transportation Project Sheet (26)

Internal Code RW-408
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

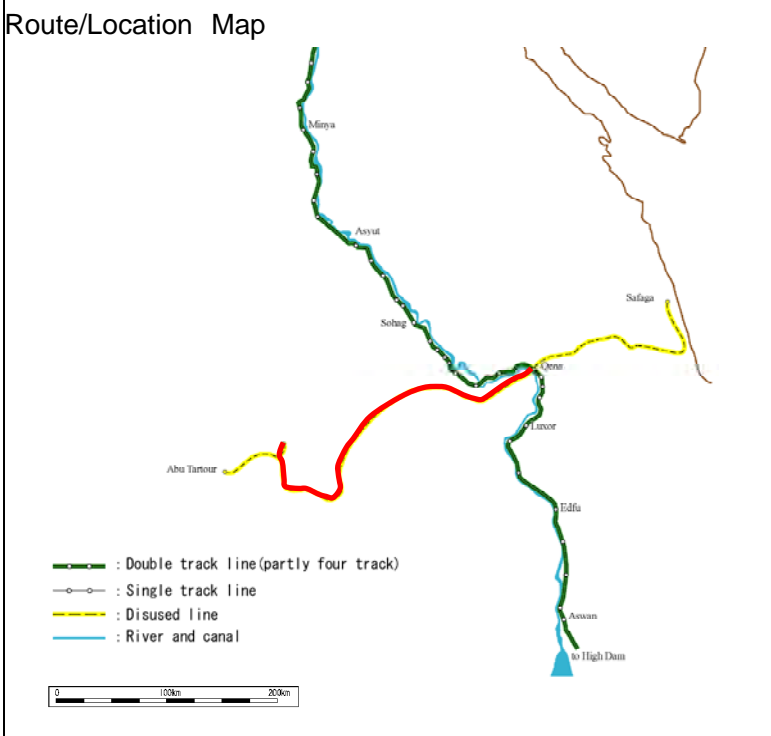
Original Code
 (if any given by the Organization in charge)
 Project Title : Rehabilitation of Tracks for Qena – Kharga.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 The project is to rehabilitate the existing railway between Qena – Kharga, 255 km in length, for both freight transportation or passenger transportation according to the result of demand forecast.....
 The project includes the following.....
 (1)..... Rehabilitation of railway.....
 (2)..... Rehabilitation of electric facilities as signaling, telecommunication, etc.....
 (3)..... To construct the new station at Kharga.....

Organization in charge:
 Planned Implementation Period: 2017 – 2021
 Information Source: JICA Study Team
 Cost: E £ 2300 million estimated in 2011

Progress of the Project
 1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (27)

Internal Code RW-409
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

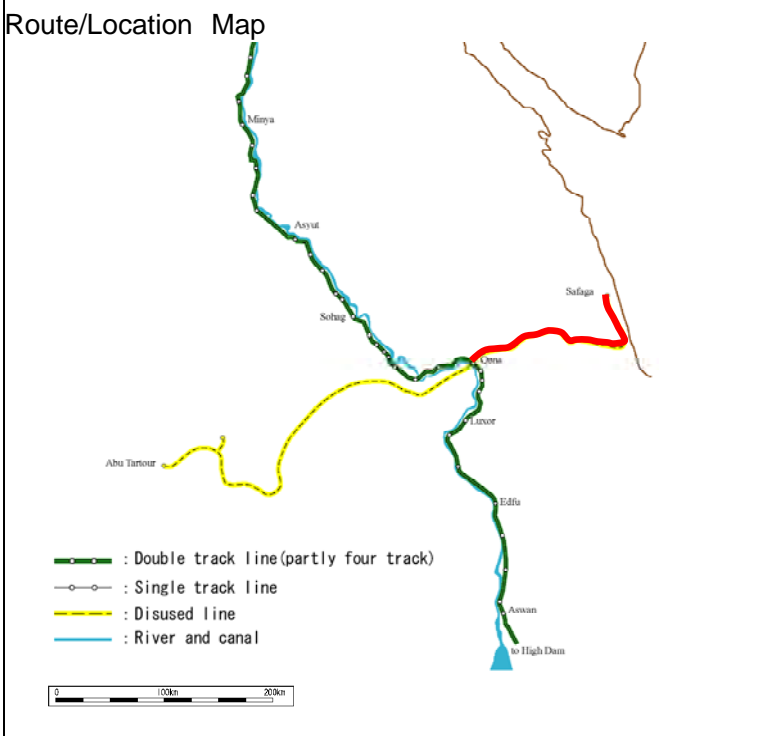
Original Code
 (if any given by the Organization in charge)
 Project Title : Rehabilitation of Tracks for Qena – Safaga.

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 The project is to rehabilitate the existing railway between Qena – Safaga, 170 km in length,
 for both freight transportation and passenger transportation according to the result of
 demand forecast.
 The project includes the following.
 (1) Rehabilitation of railway.
 (2) Rehabilitation of electric facilities as signaling, telecommunication, etc.
 (3) To construct new stations of East Qena (New), Quseir (New) and Safaga.

Organization in charge:
 Planned Implementation Period: -
 Information Source: JICA Study Team
 Cost: E £ million estimated in

Progress of the Project
 1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (28)

Internal Code RW-410
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

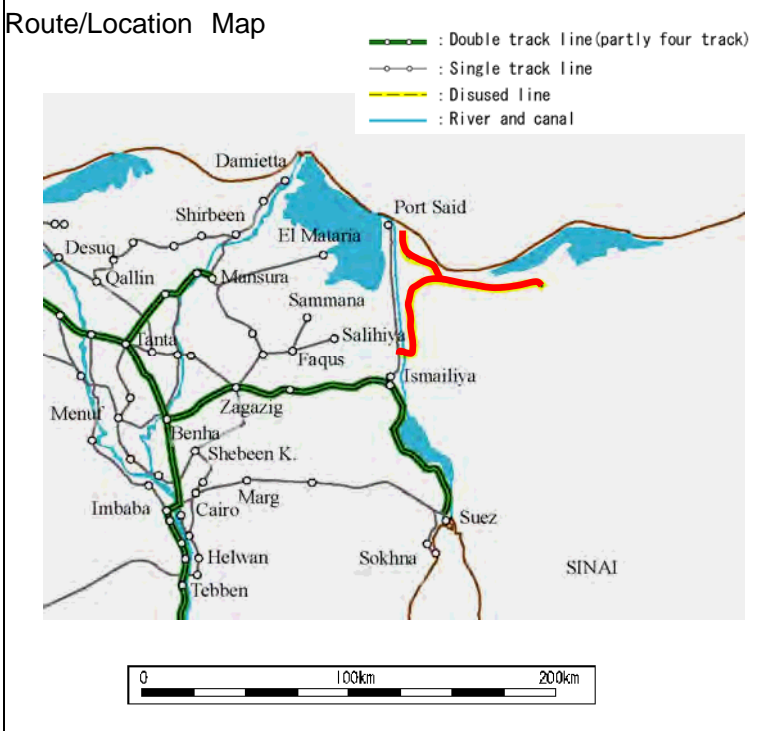
Original Code
 (if any given by the Organization in charge)
 Project Title : Rehabilitation of Tracks for El-Kab – Bir El Abd

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 The project is to rehabilitate the existing railway between El-Kab – Bir El Abd, 100 km in length,
 for both freight transportation and passenger transportation according to the result of demand
 forecast.
 The project includes the following.
 (1) Rehabilitation of railway.
 (2) Rehabilitation of electric facilities as signaling, telecommunication, etc.
 (3) To construct newly two stations of East El Kab and Romany. To improve Port Said railway
 station.

Organization in charge:
 Planned Implementation Period: -
 Information Source: JICA Study Team
 Cost: E £ million estimated in

Progress of the Project
 1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (29)

Internal Code RW-412
 (to be given by the Study Team)

Prepares by: _____
 Date: / / 2010

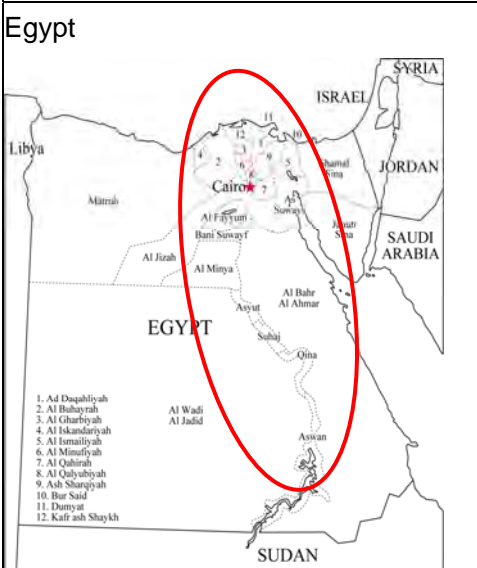
Original Code
 (if any given by the Organization in charge)
 Project Title : Freight Transportation System Change

Transport Mode
 Road IWT
 Rail Pipeline
 Port Others

Project Description in Charge
 To increase the efficiency of freight transportation consolidate the freight stations and containerize the freight transportation. Project includes:
 (1) integrate freight stations and construct container terminal
 (2) provide container wagons
 (3) provide regular schedule of container train
 Route of container trains and location of container terminal are as follows
 Cairo-Alexandria Cairo, Qabbary
 Port Said corridor Tel El Kebir, Port Said
 Damietta corridor Tanta, Mansoura, Damietta
 Aswan corridor Imbaba, Beni Suef, Asyut, Qena, Aswan

Organization in charge:
 Planned Implementation Period: 2 0 1 2 - 2 0 2 2
 Information Source : JICA Study Team
 Cost: E £ 4 6 8 0 million estimated in 2 0 1 1

Progress of the Project
 1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage



Transportation Project Sheet (30)

Internal Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> RW-999 (to be given by the Study Team)	Prepares by: _____ Date: / / 2010
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Original Code <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> (if any given by the Organization in charge) Project Title : <u>High Speed Railway for Cairo – Aswan</u>	Transport Mode <input type="checkbox"/> Road <input type="checkbox"/> IWT <input checked="" type="checkbox"/> Rail <input type="checkbox"/> Pipeline <input type="checkbox"/> Port <input type="checkbox"/> Others
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Project Description in Charge
 To cope with demand of Upper Egypt, construct new high speed railway from Cairo to Aswan.....
Project is divided to 3 phases:
Phase 1: Cairo – Asyut,
Phase 2: Asyut – Luxor,
Phase 3 Luxor – Aswan
 same standard is applied with Cairo – Alexandria High Speed Rail so that through operation is possible.....

Organization in charge:

Planned Implementation Period: –

Information Source: JICA Study Team

Cost: E £ million estimated in

Progress of the Project

1 Under Construction
 2 Bidding/Constructing
 3 Financed/Budget Allotted
 4 D/D Completed
 5 F/S Completed
 6 Project Idea Stage

