

## **Summary of Preparatory Study**

### **1. Full title of the project**

The Strategic Urban Development Master Plans Study for a Sustainable Development of the Greater Cairo Region in the Arab Republic of Egypt

### **2. Type of the study**

Master Plan, Pre Feasibility Study

### **3. Categorization and its reason**

(1) Category: B

(2) Reason:

Environmental and social considerations are required for this project, since it is to formulate a Master Plan for comprehensive urban development in metropolitan area. Moreover, a priority of this project is development of infrastructure like public transportation, and some impacts on land use and involuntary resettlement are expected.

### **4. Agency or institution responsible for the implementation of the project**

General Organization for Physical Planning, Ministry of Housing, Utilities and Urban Development

### **5. Outline of the project (objectives, justification, location, proposed activities, and scope of the study)**

#### **5.1 Objectives**

- (1) To formulate the strategic urban development master plan for the Greater Cairo Region (GCR) in the target year of 2027, which will enable the GCR to achieve a sustainable social-economical development through a balanced urban development.
- (2) To demonstrate the validity of the combination of urban development and transportation corridor development, through a pre-feasibility study for one/two development corridor(s)- which connect the inner city with new urban communities.

#### **5.2 Location**

The study area shall cover the GCR.

**5.3 Scope of the study**

- (1) Strategic urban development master plan for 2027(in consideration with urban functions relocation and new communities’ revitalization)
- (2) Pre-feasibility study for prioritized development corridor(s)

**6. Scoping (types, magnitudes of possible adverse impacts and mitigation measures)**

**(1) Project for housing/infrastructure in new urban communities**

| Environmental items                     | Rating | Reason   |
|---|--------|--|
| 1. Air pollution                        | D      | The impacts on health of residents in NUC are not expected, although traffic volume will increase in NUC.                                      |
| 2. Water pollution                      | D      | The wastewater volume from households will increase. However, the domestic wastewater treatment facilities are maintained.                     |
| 3. Soil contamination                   | D      | No impacts on soil are expected.   |
| 4. Waste                                | B      | The volume of general waste is likely to increase in NUC.  |
| 5. Noise and Vibration                  | D      | The direct impacts on residents of NUC are minimal. However, traffic volume will increase in NUC.  |
| 6. Ground subsidence and soil erosion   | D      | No impacts, which cause ground subsidence and soil erosion, are expected.  |
| 7. Offensive odor                       | D      | No impacts are expected.   |
| 8. Topography and geographical features | D      | No impacts are expected.   |
| 9. Bottom sediment                      | D      | No impacts are expected.   |
| 10. Ecosystem                           | C      | No impacts on ecosystem are expected. However, as a natural reserve, Petrified Forest Protectorate, lies next to NUC, it should be considered. |
| 11. Water usage or water rights         | B      | The volume of water conveyance will  |

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|  |   | increase.  |
| 12. Accidents  | B | The number of accident cases will increase, since it is possible to run at high speed.                               |
| 13. Global warming   | D | The volume of gas emission from vehicles is likely to decrease, since traffic congestion is mitigated in urban area. |
| 14. Involuntary resettlement                                       | D | No impacts on involuntary resettlement are expected and the number of illegal residents is small.                    |
| 15. Local economy such as employment and livelihood, etc.          | B | New employment is created in NUC and livelihood of the residents is varied.  |
| 16. Land use and utilization of local resources                    | C | Land use is likely to be reviewed.   |
| 17. Social institutions such as local decision-making institutions | C | The communities of residents in NUC are likely to be changed.  |
| 18. Social infrastructure  | D | No impacts are expected.   |
| 19. The poor, indigenous and ethnic peoples                        | D | No impacts are expected.   |
| 20. Misdistribution of benefit and damage                          | C | Misdistribution of benefit among residents in NUC is likely to occur depending on a project.                         |
| 21. Local conflict of interests                                    | C | Local conflict of interests among residents in NUC is likely to occur depending on a plan.                           |
| 22. Gender   | D | No impacts are expected.   |
| 23. Rights to child  | D | No impacts are expected.   |
| 24. Cultural heritage  | D | There is no cultural heritage in NUC.  |
| 25. Hazards(Risk)<br>Infectious diseases such as HIV/AIDS          | D | No impacts are expected.   |

Rating:

A: Serious impact is expected.

B: Some impact is expected.

C: Extent of impact is unknown (Examination is needed. Impacts may become clear as

study progresses.)

D: No impact is expected.

**(2) Project for public transportation in the east side of Cairo**

| Environmental items                                       | Rating | Reason   |
|---|--------|--|
| 1. Air pollution  | D      | The volume of gas emission from vehicles is less than the volume of traffic.   |
| 2. Water pollution  | D      | No impacts are expected.   |
| 3. Soil contamination                                     | D      | No impacts are expected.   |
| 4. Waste  | B      | The waste from construction is generated during construction.  |
| 5. Noise and Vibration                                    | B      | Noise and vibration on the side of railway increase.   |
| 6. Ground subsidence and soil erosion                     | D      | No impacts are expected.   |
| 7. Offensive odor   | D      | No impacts are expected.   |
| 8. Topography and geographical features                   | D      | No impacts are expected.   |
| 9. Bottom sediment  | D      | No impacts are expected.   |
| 10. Ecosystem   | D      | No impacts are expected.   |
| 11. Water usage or water rights                           | D      | No impacts are expected.   |
| 12. Accidents   | D      | No impacts are expected.   |
| 13. Global warming  | D      | The volume of gas emission from vehicles is less than the volume of traffic.   |
| 14. Involuntary resettlement                              | B      | The impacts on involuntary resettlement caused by new railway construction are not expected. However, the land acquisition and involuntary resettlement occur in accordance to improvement of vicinities of Ain Shams and Salam city railway stations. |
| 15. Local economy such as employment and livelihood, etc. | B      | New employment is created in NUC and livelihood of the residents is varied.  |
| 16. Land use and utilization of local resources           | C      | The impacts on military land are expected, since some parts of existing  |

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|  |   | railway pass through military land.  |
| 17. Social institutions such as local decision-making institutions | D | No impacts are expected.   |
| 18. Social infrastructure  | D | No impacts are expected.   |
| 19. The poor, indigenous and ethnic peoples                        | D | No impacts are expected.   |
| 20. Misdistribution of benefit and damage                          | C | Misdistribution of benefit among residents in NUC is likely to occur depending on a project. |
| 21. Local conflict of interests                                    | C | Local conflict of interests among residents in NUC is likely to occur depending on a plan.   |
| 22. Gender   | D | No impacts are expected.   |
| 23. Rights to child  | D | No impacts are expected.   |
| 24. Cultural heritage  | D | There is no cultural heritage in NUC.  |
| 25. Hazards (Risk)<br>Infectious diseases such as HIV/AIDS         | D | No impacts are expected.   |

Rating:

A: Serious impact is expected.

B: Some impact is expected.

C: Extent of impact is unknown (Examination is needed. Impacts may become clear as study progresses.)

D: No impact is expected.

### (3) Project for public transportation in the west side of Cairo

| Environmental items    | Rating | Reason   |
|------------------------|--------|--|
| 1. Air pollution       | D      | The volume of gas emission from vehicles is less than the volume of traffic. |
| 2. Water pollution     | D      | No impacts are expected.   |
| 3. Soil contamination  | D      | No impacts are expected.   |
| 4. Waste               | B      | The waste from construction is generated during construction.                |
| 5. Noise and Vibration | D      | No impacts are expected.   |

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| 6. Ground subsidence and soil erosion                              | D | No impacts are expected.  |
| 7. Offensive odor  | D | No impacts are expected.  |
| 8. Topography and geographical features                            | D | No impacts are expected.  |
| 9. Bottom sediment   | D | No impacts are expected.  |
| 10. Ecosystem  | D | No impacts are expected.  |
| 11. Water usage or water rights                                    | D | No impacts are expected.  |
| 12. Accidents  | C | Car accidents will occur unless car drivers do not know that it is a bus lane.  |
| 13. Global warming   | D | The volume of gas emission from vehicles is less than the volume of traffic.  |
| 14. Involuntary resettlement                                       | B | The land acquisition and involuntary resettlement occur in accordance to improvement of vicinities of Cairo University railway station. |
| 15. Local economy such as employment and livelihood, etc.          | B | New employment is created in NUC and livelihood of the residents is varied.   |
| 16. Land use and utilization of local resources                    | D | No impacts are expected.  |
| 17. Social institutions such as local decision-making institutions | D | No impacts are expected.  |
| 18. Social infrastructure  | D | No impacts are expected.  |
| 19. The poor, indigenous and ethnic peoples                        | D | No impacts are expected.  |
| 20. Misdistribution of benefit and damage                          | C | Misdistribution of benefit among residents in NUC is likely to occur depending on a project.  |
| 21. Local conflict of interests                                    | C | Local conflict of interests among residents in NUC is likely to occur depending on a plan.  |
| 22. Gender   | D | No impacts are expected.  |
| 23. Rights to child  | D | No impacts are expected.  |
| 24. Cultural heritage  | D | No impacts are expected.  |

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|---|---|--------------------------|
| 25.Hazards(Risk)<br>Infectious diseases such as<br>HIV/AIDS | D | No impacts are expected. |
|---|---|--------------------------|

Rating:

A: Serious impact is expected.

B: Some impact is expected.

C: Extent of impact is unknown (Examination is needed. Impacts may become clear as study progresses.)

D: No impact is expected.