**Appendix I Framework and Requirements** (Including but not limited to the following contents)

**Current Situation of National Drinking Water Safety**

The basic information of the country, including geographic location, length of coastline, land area, water rate, population, per capita GDP, climate, water supply, etc.

1. **Drinking water source**

**1.1.** **General situation of water resources**

Requirements: The types of water sources in the country (precipitation, groundwater, surface water, etc.) and details of each type of water source. For example, amount of renewable water resources, annual freshwater withdrawals, renewable water resources per capita, rainfall, surface water flow, groundwater reserves, etc.

**1.2.** **Main drinking water sources**

Requirements: The main types of drinking water sources in rural and urban areas. Examples include piped water supply, tube wells, wells, rivers or reservoirs, rainwater harvesting, etc.

**1.3.** **Water source pollution and protection**

Requirements: The current situation of water pollution, including main pollution sources, pollutants, etc., and current protective measures against water pollution. It can be represented by a typical region or city.

1. **Drinking water safety supervision**

**2.1.** **Relevant laws**

Requirements: Strategies, policies, plans, and measures related to water resources and drinking water.

**2.2.** **Relevant standards**

Requirements: The current national standards and industry standards for drinking water.

**2.3.** **Operation mode of water supply**

Requirements: The water supply is provided by the state, local government, private sectors, franchise or other providers.

**2.4.** **Supervision system**

Requirements: The national water resources management and drinking water quality supervision institutions and systems.

1. **Current situation of water supply technologies and infrastructures (mainly focusing on the water quality safety of urban and rural residents)**

**3.1.** **Main treatment processes of surface water and groundwater**

Requirements: Processes and technologies for surface water and groundwater treatment. It can be represented by the process and technologies applied in a typical water treatment plant.

**3.2.** **Basic information of water treatment facilities**

Requirements: The basic situation of water treatment facilities such as centralized water supply and decentralized water supply in the country, which can be represented by typical regions or cities.

**3.3.** **Basic information of water distribution networks**

Requirements: Analyze the water distribution networks for centralized water supply and decentralized water supply in the country, which can be represented by typical regions or cities.

**3.4.** **Current situation of drinking water quality**

Requirements: Drinking water compliance status, which can be represented by typical regions or cities.

**3.5. Special issues or typical situation in the country**

1. **International assistance program**

Requirements: The assistance projects, aids, or loan funds, etc. from UN, ADB, USAID and other governments or organizations.

1. **Summary**

Requirements: (1) The country's main problems and challenges related to water security, including water pollution, water management, water treatment technology, etc.; (2) The country's technical needs and international cooperation needs.

1. **References**

References to published literature must be cited in the text as follows:

Li, G., Gregory, J., 2006. Flocculation and sedimentation of high-turbidity waters. Water Research 25 (9), 1137-1143.

References to books, reports and theses must be cited in the text as follows:

Author(s), date of publication, title of book, editor(s) name(s) if applicable, page numbers, name of publisher, and place of publication.