

of the Project, in cooperation with relevant authorities during the Project period. Such security measures shall reasonably reflect the needs of the Consultant/the Contractor engaging in the Project, as shown in 1.(2).No.6 of Annex 2.

Both sides agreed that in case the additional security cost would be necessary for the implementation of the Project, such cost shall be borne by the Recipient without using the Grant.

**14. Monitoring during the implementation**

The Project will be monitored by WASA-F and reported to JICA by using the form of Project Monitoring Report (PMR) attached as Annex 3. The period for submission of the PMR is described in Annex 2.

**15. Project completion**

Both sides confirmed that the project completes when all the facilities constructed and equipment procured by the Grant are in operation. The completion of the Project will be reported to JICA by WASA-F promptly, but in any event not later than six months after completion of the Project.

**16. Environmental and Social Considerations**

**16-1. General Issues**

**16-1-1. Environmental Guidelines and Environmental Category**

JICA side explained that 'JICA Guidelines for Environmental and Social Considerations (April 2010)' (hereinafter referred to as "the Guidelines") is applicable for the Project. The Project is categorized as "B" because the Project is not likely to have significant adverse impact on the environment under the Guidelines in terms of its sectors, characteristics and areas.

**16-1-2. Environmental Checklist**

The environmental and social considerations including major impacts and mitigation measures for the Project are summarized in the Environmental Checklist attached as Annex 4. Both sides confirmed that in case of major modification of the Environmental Checklist, the Pakistani side shall submit the modified version to JICA in a timely manner.

**16-2. Environmental Issues**

**16-2-1. Environmental Impact Assessment (EIA)**

The Pakistani side confirmed to conduct the necessary procedures concerning the

environmental assessment (including stakeholder meetings, Environmental Impact Assessment (EIA) /Initial Environmental Examination (IEE) and information disclosure, etc.) and make EIA/IEE report of the Project. Both sides confirmed the EIA/IEE report shall be approved by Environmental Protection Agency (EPA) before the announcement of tender, which is expected to be September, 2021.

**16-2-2. Environmental Management Plan and Environmental Monitoring Plan**  
Both sides confirmed Environmental Management Plan (hereinafter referred to as "EMP") and Environmental Monitoring Plan (hereinafter referred to as "EMoP") of the Project is attached as Annex 5, respectively. Both sides agreed that environmental mitigation measures and monitoring shall be conducted based on the EMP and EMoP, which may be updated during the Detailed Design stage.

**16-3. Environmental and Social Monitoring**

**16-3-1. Environmental and Social Monitoring**

Both sides agreed that the Pakistani side shall submit results of environmental and social monitoring to JICA with PMR by using the monitoring form attached as Annex 6. The timing of submission of the monitoring form is described in Annex 2.

**16-3-2. Information Disclosure of Monitoring Results**

Both sides confirmed that the Pakistani side shall disclose the results of environmental monitoring to local stakeholders through their website / in their field offices.

The Pakistani side agreed JICA will disclose results of environmental and social monitoring submitted by the Pakistani side as the monitoring forms attached as Annex 6 on its website.

**17. Other Relevant Issues**

**17-1. Security Arrangement**

The Pakistani side shall take all possible and necessary measures to ensure the safety of concerned Japanese and other foreign persons during the Survey and during the implementation of the Project, whenever Japanese side requests in advance. Both sides agreed that the cost of security arrangement shall be borne by Government of Punjab.

**17-2. Resettlement of WASA and FDA officials**

Both sides agreed that WASA-F shall take due procedures for the resettlement of

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affected person in comply with the laws of Pakistan and confirmed that some WASA-F and FDA officials are living around the existing distribution centers of Abudulah Pur and Madina Town No. 2 which should be demolished under the Project. WASA-F and FDA will provide them with alternative residences or house rent as per government laws. Both sides also agreed that WASA-F shall complete the whole procedures of resettlement prior to the Grant Agreement, which is expected to be signed around February, 2021.

**17-3. Demolishment and Rehabilitation of the Existing Facilities**

Both sides agreed that the following actions shall be taken by the Pakistani side prior to the announcement of tender.

- To demolish the existing rapid sand filter, storage, and operation room, etc. and level the ground where new facilities are constructed under the Project at Old JK WTP
- To demolish the 2 existing overhead reservoirs and houses for WASA-F and FDA staff where new overhead reservoirs and ground reservoirs are constructed at the distribution centers of Abudulah Pur and Madina Town No.2
- To rehabilitate the raw water reservoir A

WASA-F explained the budget for following activities shall be secured from PC-I budget.

**17-4. Electrical Works**

JICA side explained that the installation of a new electricity supply system is required at the Old JK WTP and the distribution centers at Abudulah Pur and Madina Town No. 2. Both sides agreed that the demarcation of the electrical works is as below, and that the works taken by the Pakistani side shall be completed before the announcement of tender. WASA-F explained the budget for following activities will be secured from PC-I budget.

Item	Facility		
	Old JK WTP	Abudulah Pur Distribution Center	Madina Town No.2 Distribution Center
High-Voltage Cable Work	Pakistan (outside of WTP until High-Voltage Panel)	Pakistan	Pakistan
High-Voltage Panel	funded with the Grant		
Protective Equipment	funded with the Grant	Pakistan	Pakistan
Transformer	funded with the	Pakistan (including	Pakistan (including

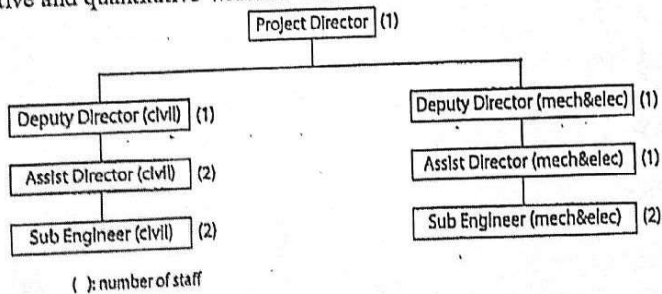
Item	Facility		
	Old JK WTP	Abudulrah Pur Distribution Center	Madina Town No.2 Distribution Center
	Grant	cable work from Transformer to Low-voltage panel	cable work from Transformer to Low-voltage panel
Low-Voltage Panel	funded with the Grant	funded with the Grant	funded with the Grant

**17-5. Rehabilitation of the Existing Water Distribution Network**

JICA side explained that the Grant will partially cover and rehabilitate the existing water distribution network in the target zone as mention in the Draft Report, and that the other parts shall be rehabilitated by WASA-F in order to ensure the improvement of water supply services, such as sufficient water pressure, water supply hour and water quality. The Pakistani side understood it and agreed to secure necessary cost of 427 million PKR in PC-I budget. Both sides agreed that WASA-F shall complete the rehabilitation, while referring to the outline design documents included in the Preparatory Survey Report, before the completion of the construction work by Japanese side, which is expected to be April, 2024.

**17-6. Project Implementation Unit**

In order to implement the Project smoothly and efficiently, both sides agreed that WASA-F will form the project implementation unit (PIU), as indicated below, with qualitative and quantitative WASA-F staff.



**17-7. Disclosure of Information**

Both sides confirmed that the Preparatory Survey Report, from which project cost, is excluded, will be disclosed to the public after completion of the Preparatory Survey. The comprehensive report including the project cost will be disclosed to the public after all the contracts under the Project are concluded.

Annex 1 Project Implementation Schedule

Annex 2 Major Undertakings to be taken by the Government of Pakistan

Annex 3 Project Monitoring Report

Annex 4 Environmental Check List

Annex 5 Environmental Management Plan and Environmental Monitoring Plan

Annex 6 Environmental and Social Monitoring Form

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