

Section VI: Requirements

Preamble

This Section shall provide sufficient information to enable Participants to prepare comprehensive, realistic and competitive proposals addressing the Client's requirements.

The Requirements shall form an integral part of the resulting Contract.

The Requirements consist of the following parts:

- Scope of Works;
- Specifications;
- Drawings.

The Client shall ensure that the ESHS requirements, specified in the Project legal agreements, are appropriately reflected in the Requirements.

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Scope of Works

The Client shall state the purpose of the Works, subject to the procurement process, provide a brief description and specify the important requirements that Participants shall include in their proposals.

If the Works are grouped into lots, the requirements shall be prepared to reflect the arrangements.

Purpose of the Works

The Client desires the Works described below to be executed in order to *[state the purpose]*.

[Please state:

Participants shall ensure that the Works they undertake to execute are fit for the stated purpose, as per the design, provided for by the Client.

or

Participants shall ensure that the Works they undertake to design and execute are fit for the stated purpose.]

Description of the Works

- **Project Overview**

[Provide the brief description of the Project]

- **Contract Overview**

[Provide the brief description of the Contract and its role in the Project.]

- **[Performance Requirements]**

[Describe the key outputs/performance parameters, which shall be achieved by the completed Works.

It shall be developed in conjunction with the Schedule of Performance Guarantees to be submitted by the Participants with their proposals and incorporated into the resulting contract, as appropriate.

Key performance requirements are typically those, which have the greatest impact on the productivity and operating costs of the completed Works and/or which are critical to verify that the Works is operating as per the intended purpose.

The set values and an acceptable deviation ranges shall be used for defining liquidated damages in the Contract terms and conditions.]

- **Collaboration with Third Parties**

[Describe involvement of any third parties with the Contract, and state any specific requirements regarding the Contractor's cooperation with them.]

- **Site Information**

[Provide details of climatic conditions, site conditions, regulatory requirements, physical constraints etc., as appropriate. The sub-section shall include the information on the site access and land acquisition, including timing, as appropriate. It shall be supplemented by relevant maps and drawings.]

- **Design**

[If the Contractor is expected to design the Works, or any part thereof, or produce any other design drawings, define the key design parameters, list the available design data, required scope of design, respective standards and any limitations imposed by the Authorities, utilities or relevant third parties.

Specification and Drawings sections of the Requirements shall be used to provide specific additional information and be referred to, as appropriate.

If the design is available, provide the essential information. The design documents may be include by reference, if available online, or as a separate set of documents to be provided to the Participants together with the Procurement Document.]

- **Scope of Works**

[Unless sufficient information is provided with the design, provide comprehensive and detailed information on the scope of works.

The information shall include an explanatory note, proposed engineering and technological solutions for the Works and respective calculations, information on permanent and temporary structures, proposed approach to construction and work methods (subject to modifications by Participants), any other information deemed essential for preparation of proposals by the Participants.

Unless the Price Schedules include detailed Bill of Quantities, provide an indicative volume of the works.

Unless listed elsewhere in the Procurement Documents, provide the list of the Plant to be supplied and installed, as part of the Contract, and list critical materials, where appropriate.

Specification and Drawings sections of the Requirements shall be used to provide specific additional information and be referred to, as appropriate.]

- **[Alternative Technical Solutions]**

[Reasonable flexibility shall be provided to allow alternative technical solutions to be offered by Participants for specified parts of the Works. These considerations shall be appropriately reflected in Section II, Data Sheet.

An appropriate description of the respective parts of the Works shall be provided with references to the drawings, Specifications, Bill of Quantities, where appropriate, and design or performance parameters, stating that the alternative solutions shall be structurally and functionally equivalent or superior to the design and the Specifications, or, where appropriate, the Requirements].

- **Scope of Services**

[If the Contract envisages services beyond the completion of the Works, e.g. operation or maintenance, include a comprehensive description of the required services, their scope, timing and conditions of performance.]

- **Approvals**

[Articulate the required approvals, their phases and respective processes, including the approvals by the Client or other parties, stated in the Contract, as well as the statutory approvals required by the laws].

- **Environmental, Social, Health and Safety Requirements**

[Provide an explicit list of the detailed Environmental, Social and Health and Safety (ESHS) requirements, taking into account the applicable environmental and social requirements and standards, including national and, where appropriate international standards and regulations, legal documents for the Project signed with the Bank, the Bank's Environmental and Social Policy, the Environmental and Social Action Plan, Environmental and Social Impact Assessment and similar documents for the Project.

The sub-section shall list key environmental and social risks and issues, and requirements for the Contractor to manage those. Where appropriate, special attention shall be paid to management and safety of hazardous materials, resource efficiency (especially water and energy), pollution prevention and control, biodiversity conservation and sustainable management of living natural resources, management of relations with the affected communities, management of working conditions on the Site, as well as living conditions of the workers, as appropriate, avoidance of the Sexual Exploitation and Abuse, or any form of the Gender-Based Violence.

Health and Safety requirements should be prepared to complement the relevant provisions of the Contract and taking into account the specifics of the works and an anticipated work methods.

The detailed ESHS requirements should, to the extent possible, describe the intended outcome rather than the method of achieving that.]

- **Inclusion**

[Where appropriate, specify any requirements for inclusion.]

- **Programme and Phasing of Works**

[Where necessary, provide information on the key phases of the Works, their implementation sequencing and/or indicative programme, allowing Participants to reflect this information, as appropriate, in preparing their proposals and especially their Work Programme.

The indicative programme or time information shall be expressed in periods (in days) and be complementary to the information provided in the conditions of the Contract and/or the Appendix to Tender, where appropriate.

Participants shall be allowed to provide for alternative Work Programmes, allowing different work methods.]

- **Insurance Requirements**

[List details of the insurance requirements to complement the respective conditions of the Contract.]

- **Information and Reporting Requirements**

[List reporting and information exchange requirements, including use of Building Information Modelling, where appropriate.

Specify any requirements, supplementary to those, specified in the conditions of Contract, in respect of as-built drawings, operation manuals for the entire Works, or any parts thereof, as well as for any Plant to be installed.]

- **[Contractor's Equipment]**

[For certain types of the works Participant may be required to own, or have assured access to (through hire, lease, purchase agreement, availability of manufacturing equipment, or other means) key items of the Contractor's Equipment in full working order. Participants may be required to demonstrate that, based on known commitments, these equipment will be available for use in the Contract. In such cases list the key equipment needs based on specific items or performance criteria, as appropriate. The items listed shall be limited to major items of equipment, which shall be critical for satisfactory performance of the Contract, and which may not readily be available for purchase, hire, or lease in the Client's country within a reasonable timeframe. Participants shall be allowed to list alternative equipment, which they would propose to use for the Contract, together with an explanation of the proposal.]

- **Key Personnel**

[Participants shall be required to provide suitably qualified personnel for the key contractual positions. For each position the Participant shall be requested to provide information on a first choice candidate and an alternate, each of whom should meet the specified experience requirements. List the key management and specialist positions and their respective minimal experience requirements. Do not include all principals or head office personnel, who are not directly involved in the Contract implementation, and other non-specialist personnel. In the event if the proposed Contract provides for a part of the Works to be designed by the Contractor, particular criteria should be specified for the design personnel that may be proposed by the Participant.]

- **Requirements for Warranties**

[Where necessary to complement the conditions of the Contract, specify the warranty requirements to the Plant or any parts of the Works.]

- **Inspection and Test Procedures**

[Where necessary to complement the conditions of the Contract, list inspection and test requirements, specifying the scope, time and place, where those shall take place and respective procedures.]

- **Commissioning and Taking Over Procedures**

[Where necessary to complement the conditions of the Contract, list specific procedures for commissioning and/or taking-over of the Works.]

- ***[Nominated Subcontracting]***

[Provide information on any nominated subcontracting arrangements to be used for the Contract, as well as the respective subcontractors, where known.]

- ***[Operation and Maintenance Parameters]***

[Insert any specific requirements for the arrangements for maintenance and/or operations, including spare parts stocking obligations during the warranty and post-warranty period, as appropriate. That may include a permanent representation in the Client's country/region, the Plant support services, spare parts stocking period and accessibility, response time periods etc.]

Specifications

A set of precise and clear Specifications are a prerequisite for Participants to respond realistically and competitively to the requirements of the Client without making their proposals conditional.

The Specifications must be generic in nature. They shall be drafted to enable a broad competition amongst qualified Participants. To the extent possible, the Specification shall be based on relevant quality characteristics and/or performance requirements. The use of brand names, trademarks, patents, copyrights, designs or other designations that would discriminate among potential Participants shall be avoided. If these are necessary to clarify the nature of technical requirements, the Procurement Document shall state that other Plant of equivalent or higher quality shall be acceptable.

The Specifications shall present a clear statement of the required standards of materials, Plant and workmanship to be provided. They shall require that all materials and Plant to be incorporated in the Works are new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

The Specifications should set out any specific requirements for the Works as outlined in the legal permits or the legal documents for the Project signed with the Bank, especially, where the Client's compliance is dependent upon the performance or activities of third parties.

The existing national or international standards shall be used, as appropriate. At the same time, where specific standards are used the Specifications should state that the materials, Plant, and workmanship meeting other authoritative standards, which ensure substantially equal quality and/or performance to the standards mentioned, shall also be acceptable.

The metric system shall be used.

It shall be noted that often the Specifications form an integral part of the design used for the Works. In such cases the section shall provide an appropriate reference to the detailed specifications included in the design documentation, and Participants shall be granted an unrestricted access to this documentation.

General

[Insert a general statement regarding the standards to be used for the execution of the Works under the Contract.]

Equivalence of Standards, Codes and Products

Wherever reference is made in the Specifications to specific standards and codes to be met by the materials, Plant or workmanship to be furnished, the provisions of the latest current edition or revision of the relevant standards or codes in effect shall apply, unless otherwise expressly stated in the Specifications. Where such standards and codes are national or related to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Wherever a reference is made in the Specifications to specific brand names, trademarks, patents, copyrights, designs or other designations, other Materials or Plant of equivalent or higher quality and/or performance will be acceptable.

The Contractor shall use the Materials and Plant, which meet the following standards and specifications:

Materials

Item no.	Title	Specification
...

Plant

Item no.	Item name	Specification
...

The Contractor shall execute the Works in accordance with the following standards and in the following manner:

Works and Workmanship

Item no.	Title	Specification
...

[The Contractor shall provide the Services in accordance with the following standards and in the following manner:

[Services]

No.	Title	Specification
...

Drawings

The Client shall attach pertinent documentation such as drawings, diagrams, plans, etc. which should assist Participants in understanding the Requirements and preparing a comprehensive proposal.

The drawings shall show sufficient details to enable Participants to understand the type and complexity of the work involved.

Participants may be requested to provide drawings with their proposals. Such requirement shall be addressed in Section II, Data Sheet and respective forms (Section V, Forms).

It shall be noted that often the Drawings form an integral part of the design used for the Works. In such cases the section shall provide an appropriate reference to the drawings included in the design documentation, and Participants shall be granted an unrestricted access to this documentation.