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## **101. GENERAL REQUIREMENTS**

### **101.1 APPLICATION OF PARTICULAR SPECIFICATION**

This Particular Specification is to be read and construed together with the General Specification of the Contract Documents for this Tender. In case of ambiguities or discrepancies between this Particular Specification and the General Specification, the Particular Specification shall prevail, except if and to the extent otherwise provided by the Contract or directed by the Engineer.

Whenever the term "Specification" without further qualification is used in the Contract Documents, it shall mean the General Specification together with the Particular Specification.

### **101.2 LOCATION OF WORKS**

The Works cover the rehabilitation of Deir Dalloum road in Akkar Governate, North of Lebanon. Deir Dalloum road, connecting Deir Dalloum to Zouq El Moqachrine at the point having the following coordinates 34.520749°N 36.025765°E. it connects with Halba main road at the following coordinates 34.522421°N 36.023366°E. The road is around 850m long consisting mostly of natural terrain and surrounded by olive trees. A sewage pipe travels underneath the road from its start point along for around 130m. The road is bounded by one or both side's irregular rocky wall all along the studied path.

### **101.3 THE SITE**

For work along pipelines within public roads and tracks, the limits of the Site shall be the limits of land in public ownership which shall be taken to be any boundary fence or wall or if there is no such clearly identified boundary the width shall be taken as one meter beyond the edge of the carriageway.

In some areas the width of the Site will be physically restricted by physical boundaries such as boundary wall or by natural topographic features. The Contractor shall have inspected the Site and shall have included for the provision of any additional working area that he may require outside the limits of the Site.

### **101.4 SCOPE OF WORK**

Rehabilitation of Deir Dalloum road is noteworthy since it facilitates the accessibility

to the surrounding agricultural lands.

The scope of works includes clearing Deir Dalloum road of all vegetation, shrubs and trees as indicated in the specifications, leveling the road from rocks if any, supplying of sub-base/base coarse with right aggregates and compacted it to the desire final level.

In addition, construction/rehabilitation of walls made from stones have to be executed where instructed.

### **101.5 CONDITIONS PREVAILING AT SITE OF WORKS**

The Contractor's attention is drawn to his obligation to satisfy himself, before submitting his Tender, as to the conditions prevailing at the Site of Works and its surroundings and relevant sections of the General Specification for Civil Engineering Works.

### **101.6 PRIVATE LANDS**

The Contractor shall not enter upon or occupy with men, tools, or materials of any nature, any lands other than the working areas shown on the Drawings, except after consent shall have been received by him from the proper parties and a certified copy of such consent shall have been furnished to the Engineer. Any rentals or damages paid for occupying private lands shall be at the Contractor's expense.

### **101.7 EXISTING SERVICES**

In the course of works, the Contractor will encounter within the limits of the working areas and in the vicinity, miscellaneous above ground and underground services such as drains, pipes, cables, telephone and electric poles and lines, water supply and similar existing services. The Contractor's attention is directed to the provisions of Clause 101.10.4 of the General Specification with regard to such existing services.

### **101.8 ACCESS ROADS**

#### Temporary access roads

The necessity of construction of Access Roads and/or temporary roads may arise, in which case such temporary roads shall be subject to the provisions of Clause 101.10.3 of the General Specification for Civil Engineering Works, and shall be

executed at the contractor responsibility and expenses in coordination with the concerned Authorities and according to the Engineer requirements.

#### **101.9 PROGRAM AND MONITORING**

It is a primary requirement of the Employer that a comprehensive knowledge of the status of progress to date, predicted progress, costs and cash flow forecasts is available at all times. The Contractor shall be responsible of the requisite information and shall be responsible for programming the Works, preparation of cash flow estimates and measuring and reporting the progress of the works in an approved format. In order that programming, progress measurements and reporting is executed in a timely and efficient manner, the Contractor shall program the Works, monitor progress and generate cost reports and cash flow projections by utilizing a recognized industry standard approved P.C. based Project Management software package.

The Contractor's master program and cash flow estimates and subsequent updates, submitted detail the sequence of procurement, installing, testing and commissioning, and handing over for each of the works items including each item described in the Bill of Quantities.

#### **101.10 OR EQUAL CLAUSE**

Wherever reference to Standard Specifications, such as British Standards, are made they shall not be construed to restrict materials to British products. Materials from other scheduled countries will be considered provided that the producer of the material certifies its conformity to the appropriate Standard Specification.

Similarly whenever a material or article required is specified or shown in the plans by using the name of the proprietary product or of a particular manufacturer or vendor; any material or article which will perform adequately the duties imposed by the general design will be considered equal and satisfactory provided the material or article so proposed is of equal substance and function in the Engineer's opinion. It shall not be purchased or installed without his written approval.

#### **101.11 GOVERNMENT REGULATIONS**

The Contractor shall comply with all provisions of the rules, regulations and orders of Government and Municipal agencies, such as the Public Works Department.

The Contractor shall co-operate with the Employer in promptly furnishing any information that may be required by such governmental agencies. It shall be the obligation of the Contractor to keep himself informed of these governmental rules, regulations, and orders and the Contractor shall make the requirements of this article a part of any sub-contract he may enter into.

#### **101.12 NOTICE BOARDS**

The Contractor shall provide and erect sign boards at the sites where works are being executed, giving information to the public on the Project and the Employer and further details as will be prescribed by the Employer. The location and number of the sign boards at the sites will be indicated by the Engineer. The Contractor shall maintain, alter, move and adapt the sign boards from time to time as instructed by the Engineer. The display of any named Subcontractors or any other information associated with the Works shall be to the approval of the Engineer.

#### **101.13 PRECAUTIONS AGAINST CONTAMINATION OF THE WORK**

The Contractor shall at all times take every possible precaution against contamination of the works. The site and all permanent and temporary works shall be kept in a clean, tidy and sanitary condition. The Contractor shall at all times take measures to avoid contamination of the existing water courses and drains by petrol, oil or other harmful materials.

#### **101.14 ACCESS TO PROPERTIES**

The Contractor shall not disrupt any private or public access way without first providing alternative arrangements.

#### **101.15 DRAWINGS AND DOCUMENTS**

All drawings and documents submitted by the Contractor shall have been checked, signed and be ready for issue and shall bear the title of the drawing, the scale, the date, the Contract number and name, the document number complying with an approved numbering system, the name and references of the Contractor, the name of the Employer and the Engineer, the date of approval by the Contractor and the signature of the person responsible for approval.

Unless otherwise specified the Contractor shall allow a minimum of 15 days for approval of drawings and documents by the Engineer.

## **101.16 MEASUREMENT AND PAYMENT**

Unless otherwise provided for in the B.O.Q, all costs incurred in complying with the requirements of this Division 101 shall be deemed to be included by the Contractor in his unit rates in Bill of Quantities and shall not be paid for separately.