

## STANDARD SPECIFICATIONS FOR DREDGING

### Part A – Facilities for the Engineer

#### Part A.1.1 Offices and Laboratories for the Engineer

1. The Contractor shall provide and maintain field offices and testing laboratories, including all the necessary electricity, water, drainage and telephone services for the use of the Engineer and his staff. The offices and laboratories shall have at least the floor area prescribed on the Plans and shall contain the equipment, supplies and furnishings specified in the Contract. Testing equipment supplied in accordance with the Special Provisions shall be located in testing laboratories as required by the Engineer. All offices and laboratories shall be ready for occupancy and use by the Engineer within two (2) months of the commencement of the Works. Their location and final plan shall require the approval of the Engineer prior to the start of construction. It is the intent of this specification to locate the field offices and laboratories in government owned lots so that the use by the government of these facilities can be maximized even after the completion of the project. However, if no government lot is available, and these structures are to be erected on private property, it is the responsibility of the Contractor to make the necessary arrangements with the landowner(s) regarding the use of the lot for the Engineer's office and laboratories and to remove and/or transfer, if so required under the Contract, the improvements thereon, including all appurtenances upon completion of the Works.

All facilities provided by the Contractor shall be near the job site, where necessary and shall conform to the best standard for the required types. On completion of the Contract, the facilities provided by the Contractor including utilities and communication facilities shall revert to the Government including office equipment, apparatus, pieces of furniture, laboratory equipment, etc, unless otherwise specified in the Contract documents.

The Contractor shall be responsible for raising the ground (if necessary), grading and drainage in the vicinity of each facility with suitable access walkways, seeding and sodding of the ground around as directed and approved by the Engineer. Also, the Contractor shall construct a parking area for the compound near the buildings and a satisfactory access road to the parking areas.

The Contractor shall be responsible for the maintenance and protection of all facilities to be provided during the duration of the Contract, including providing adequate stock of all expendable items, such as light bulbs, light tubes, laboratory equipment and supplies at all times to ensure proper and continuous functioning of all the Engineer's facility.

The whole area of the Engineer's compound shall be fenced with barbed wire (or equivalent) with necessary gates as directed by the Engineer.

The Contractor shall provide suitable utilities and services, such as potable water, electricity, sewerage and security on a 24-hour basis.

2. The Contractor shall provide qualified and experienced laboratory staff to carry out all the materials quality control and all the tests specified in the Contract and required by the Engineer. The person so appointed by the Contractor to manage the laboratory shall be well experienced in the type of work to be undertaken and shall be subject to the approval of the Engineer. He shall work full time and shall be responsible to the Engineer for all works carried out.

3. The telephone service, if required in the Contract shall have a separate connection direct to the telephone company's telephone exchange single line for the exclusive use of the Engineer and his staff.

4. The Contractor shall provide, if required in the Contract, a two-way radio communication service.

5. Any portable offices required in the Contract shall be dismantled, moved and erected from time to time as directed by the Engineer.

6. All offices, stores and testing laboratories shall be proficiently guarded at all times of the day and night, regularly and properly cleaned, adequately supplied and maintained for the duration of the Contract.

## **PART A.2 Measurement and Payment**

Lump-sum items shall be provided for the provision of:

- Office building for the Engineer including pieces of furniture, appliances and equipment.
- Laboratory building for the Engineer including furniture, appliances and equipment.
- Survey equipment for the Engineer.

## **ITEM 1703 - DREDGING**

### **1703.1 - Description**

This item shall consist of the excavation of river beds, bottom of creeks or esteros, and other bodies of water for the purpose of deepening or removal of unsuitable soil layers and disposal of same at areas shown on the Plans or as established by the Engineer.

#### **1703.2.1 Construction Surveys and Reference Elevation**

All elevations shall be referred to the datum plane specified on the Plans. A pre-construction survey shall be undertaken by the Contractor under the control of the Engineer to confirm that the work has been executed to the prescribed lines and grades at regular intervals of time which serve as a basis for the computation of the actual volume of dredging materials.

#### **1703.2.2 Equipment**

The Contractor shall provide and mobilize at the jobsite the minimum number and type of dredging equipment specified in the information to Bidders. Equipment

