



Republic of the Philippines
Department of Agriculture
Regional Field Office No.1
City of San Fernando, La Union

SPECIFICATIONS AND SCOPE OF WORK

PROJECT NAME: IMPROVEMENT OF GAYUN-GAYUN DD CANAL LINING

LOCATION: Brgy. Tupa, Agno, Pangasinan

BRIEF DRESCRIPTION: Construction of concrete canal lining

The contractor/implementer of the project shall verify all dimensions and conditions of the site and shall notify the DA Project Engineer for any discrepancies between actual conditions and information shown in the drawing before proceeding with the work.

The structural drawings and specifications represent the general framework of the structure. They do not indicate methods of construction, unless so stated, the contractor/implementer shall provide all necessary measures to protect the structure, the contractor/ implementer's obligation to notify the DA Project Engineer of any conditions that may endanger the stability or cause distress in the structure during phases of construction.

This set of specifications shall govern the methods of construction and kinds of materials to be used for the proposed Project shown on the accompanying plans and detailed drawings.

All parts of the construction shall be finished with first class workmanship to the fullest talent and meaning of plans and the specifications, and to the fullest satisfaction of the Department of Agriculture through its Project Engineer. Any defective material or poor workmanship should be replaced or improved by the Contractor without additional cost to the Owner.

I. MOBILIZATION AND DEMOBILIZATION OF EQUIPMENT

The Contractor shall mobilize and move into the Project Site the required construction equipment needed for the successful completion of the Contract.

MINIMUM EQUIPMENT REQUIREMENT

- 1 - Backhoe (0.75 cu.m.)
- 1 - One-Bagger concrete mixer
- 1 - Bar Cutter
- 1 - Bar Bender

II. PROVISION OF SAFETY AND HEALTH (PPE, OHS Staff & Signages)

The Contractor shall ensure that every person working on or visiting the site, as well as the public in general, shall be made aware of the dangers/hazards likely to arise from site activities, including the precautionary measures to be taken to avoid or minimize those risks associated to those dangers/hazards.

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III. ACCESS ROAD

The work under this shall consist of surface preparation and quarrying of materials including stockpiling, loading, hauling, dumping, spreading, and compaction of road surfacing materials into access road and service roads.

IV. CONSTRUCTION OF TEMPORARY FACILITY

The Contractor shall furnish all materials, labor, equipment, tools and install such temporary works as are necessary for the successful completion of the Contract Work. The Contractor shall negotiate the site for his construction camp, office and work areas.

V. IRRIGATION WORKS

A. Common Excavation

The work under this shall include clearing removal, hauling and disposal of all excavated materials tamping and trimming of foundation bed required for the construction of conveyance canal.

Foundations shall be excavated according to the outline of the footings and floors of structure as shown on the Drawings or as directed by the DA Project Engineer.

B. Structural Backfilling

All horizontal and sloped earth surfaces shown in the drawings or specified by the DA Project Engineer, upon which backfill material is to be placed shall consist of undisturbed or well compacted material and shall be clean, damp, free from water and free from organic matter.

C. Reinforcing Steel Bars

All reinforcing steel bars required for the works as detailed in the Construction Drawings or as directed by the Project Engineer.

D. Form Works

Forms shall be used to confine the concrete during vibration and to shape it to the required lines. Forms shall have sufficient strength to withstand the pressure resulting from placement and vibration of the concrete, and shall be maintained rigidly in position. The strength and rigidity of the forms shall be such that formed surfaces will conform to specification requirements relating to the surface irregularities and tolerances for concrete construction. Forms shall be tight to prevent loss of mortar from concrete.

E. Concrete Works Class "A"

This covers all the materials as cement, aggregates, water, reinforcing steel bars, admixtures and proportioning, mixing, transporting, placing, finishing, curing and protecting of concrete, including supplies, equipment, tools and all other incidentals necessary for concrete works.

F. Levelling Course


This item shall consist of approved granular fill material furnished and placed as required to replace unsuitable material encountered below foundation elevation.

VI. MARKER

Marker shall be clearly identified with the project type and other project information as indicated in the approved project plans and design. Component of marker shall show no greater deterioration in physical condition, color change or fade and shall be in accordance with the dimension and shapes specified in the plan.

The above specifications are intended for the Improvement of Gayun-gayun DD Canal Lining located in Brgy. Tupa, Agno, Pangasinan

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