



**CONSTRUCTION ENVIRONMENTAL
MANAGEMENT PLAN - CEMP**

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ENVIRONMENTAL SPECIALIST COURSE





**CONSTRUCTION METHODOLOGY
FOR ENVIRONMENTAL PROFESSIONALS**

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WHAT SHOULD YOU LEARN





Construction Methodology : This section defines the project details which are undertaken for construction work. It will cover the detailed description of scope of work.

Project Overview

Mobilisation

Preliminary and Preparatory Works

Civil Construction Works

Demobilisation



CONSTRUCTION METHODOLOGY

The construction activities for the any construction package are broadly categorized into the following:

- ✓ Mobilisation
- ✓ Preliminary and Preparatory Works
- ✓ Earthworks and Grading
- ✓ Demobilisation.

The information provided within this Section is based on the Contractor's draft construction method statements.

MOBILISATION

The Contractor will mobilize all relevant personnel, equipment, subcontractors and material to site from various locations within and outside the Middle East region.

Mobilization will be scheduled according to the proposed construction programme. The initial facilities that will be established for the project will comprise temporary site offices, construction of access roads and fencing.

CIVIL CONSTRUCTION WORKS

The earthworks works shall include the following:

- ✓ Provide temporary shoring for any additional structures.
- ✓ Strip and remove the surface layer. Prepare the subgrade.
- ✓ Excavate and replace with approved engineering fill any excessive wet, unstable, garbage, organic, yielding, low bearing capacity materials, or any materials which do not comply with the contract specification. T
- ✓ Transportation of materials.
- ✓ Make up levels to the proposed final grading levels using approved engineering fill in accordance with the requirements of the specification.
- ✓ Carry out all material compliance tests and layer compaction tests.
- ✓ Management of all temporary access roads, haul roads, hardstands and drainage works. No blasting works is required for this works package.

QATAR REGULATIONS AND GUIDELINES (PERTAINING TO WASTE MANAGEMENT)



Construction waste, Hazardous waste and waste materials, Hazardous waste Facility and Regulations per phase of waste cycle.

Movement of Hazardous Substances: Requirements and procedures for the importation, handling and shipment of hazardous waste are established by Articles 42 to 46.

Safety Management: Articles 52-54 and 59 provide guidelines with regard to the safety management of hazardous materials.

In addition the works shall comply with GSAS Technical Guide issued by the Gulf Organization for Research and Development (GORD) and Qatar Construction Specification (QCS) 2014 Section (7) Green Construction, issued by MME.

DEMOBILISATION



Upon completion of the works, equipment and all temporary Contractor infrastructures will be demobilised from site. The Contractor will undertake an inspection to ensure demobilisation is complete before project handover.

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