

BEYOND

SMART CITIES

CONSTRUCTION ENVIRONMENTAL
MANAGEMENT PLAN - CEMP

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ENVIRONMENTAL SPECIALIST COURSE

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SMART CITIES

LEGAL AND REGULATORY
REQUIREMENTS
FOR ENVIRONMENTAL PROFESSIONALS

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WHAT SHOULD YOU LEARN

The following section provides a review of the environmental legislative and regulatory requirements that are applicable to the construction of the Project.

International and country-specific regulations

Qatar Regulations and guidelines (pertaining to Waste management)

International Protocols & Conventions

Additional Permits Required for Construction as applicable

QATAR STATUTORY REGULATIONS

The following section provides a review of the environmental legislative and regulatory requirements that are applicable to the construction of the Project.

Contractor is responsible for compliance with applicable legislations, laws and standards like environmental Law of Qatar or UAE or India-Decree law 30 of 2002 and the Executive By-Laws 2005 , QCS-2014, GSAS as applicable, ISO 14001, Client requirements and international environmental treaties signed by Qatar.



QATAR STATUTORY REGULATIONS +

Law No. 1 of 1983 for protection of animal health;

The resolution of the Council of Ministers No. 4 of 1986 providing that all plans and projects of

Decree No. 55 of 1996 approving the Convention on Biodiversity such that it has power of law;

Rules on Environmental Impact Assessment 2003 fulfilling order of Decree No. 30 of 2002 by delineating requirements and procedures related to SEAs;



WHAT IS CEMP



The purpose of a construction environmental management plan is to outline how a construction project will avoid, minimise or mitigate effects on the environment and surrounding area.

Construction environmental management plans often detail the implementation of measures in accordance with environmental commitments outlined in; an Environmental Statement, an environmental policy or environmental plan, requirements of planning conditions, Section 106 agreements or other legislative requirements.



PURPOSE OF CEMP



To describe all the environmental management practices, protocols and methodologies to be applied for implementation during the Project's construction phase. The project will have impacts; however, these will be mitigated to as low as reasonably practicable.

The purpose of the CEMP is to set environmental targets for a sustainable growth by measuring its performance throughout the construction phase.

This plan has been developed to provide a management framework for planning and execution of construction work in terms of environmental best practices adoptability. This aims at reducing the risk of adverse impacts of construction activities on sensitive environmental resources and to minimize disturbance to local residents.

All projects within Qatar require an Environmental Permit from the Ministry of Municipality & Environment (MME) prior to construction and operation.

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.

QATAR ENVIRONMENTAL EMISSION REGULATIONS



The Executive Order (By-Law) for the Environmental Protection Law and its Annexes (2005) provides standards for pollutants when discharged in the water environment in Qatar,

Noise Emissions 50 mg/Nm³ 35 mg/Nm³ 240 mg/Nm³ Table 4-2-2 - Cement Industry Air Quality Limits in Qatar The Executive Order (By-Law) for the Environmental Protection Law and its Annexes (2005) provides maximum allowable ambient noise limits in Qatar,

Water Quality The Executive Order (By-Law) for the Environmental Protection Law and its Annexes (2005) provides the standards for seawater quality in Qatar

CLIENT REQUIREMENTS



The Client has developed the following environmental and sustainability requirements for the project Development, which have subsequently been amalgamated within this CEMP:

- a) HSEMS-Design Requirements (as part of 'Project HSE Manual General Requirements on client for Contractors).
- b) Clients Environmental Protection Management Manual for construction contractors.
- c) Minimum GSAS Sustainability requirements as part of tender documents.

SUSTAINABILITY REQUIREMENTS



The Global Sustainability Assessment System (GSAS), is a sustainability rating system, which aims at creating a sustainable built environment that minimizes ecological impact while addressing specific regional needs and the environment of Qatar.

INTERNATIONAL PROTOCOLS & CONVENTIONS



The State of Qatar is signatory to several international conventions, including the following that are relevant to the Project:

Convention for the Protection of the World Cultural and National Heritage;

United Nations Convention on the Law of the Sea (UNCLOS) (Montego Bay, 1982);

United Nations Conventions on Biological Diversity (United Nations, 1993);

Vienna Convention for the Protection of the Ozone Layer (1985);

Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) assessed by the State of Qatar in May 2001, which later became a Party to CITES in August 2001.

ADDITIONAL PERMITS REQUIRED FOR CONSTRUCTION AS APPLICABLE



Dewatering permit requirements;

Applications for environmental permits for crushing, sieving and transportation of spoil;

Hazardous materials imports, storage, transportation, and disposal;

Site offices (except porta cabins), asphalt production if applicable, concrete batching, new construction workers accommodation, vehicle and equipment maintenance areas, and others;

Geotechnical investigations & survey;

Temporary diesel storage tanks permit shall be required from MME.



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