

BEYOND
SMART CITIES

**CONSTRUCTION ENVIRONMENTAL
MANAGEMENT PLAN - CEMP**

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP
ENVIRONMENTAL SPECIALIST COURSE



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SAMPLE CEMP PRESENTATION - 1

FOR ENVIRONMENTAL PROFESSIONALS

KRISHNAJI PAWAR, LEED AP BD+C, GSAS CGP, ISO 14001:2015, GCP
ENVIRONMENTAL SPECIALIST CURRICULUM



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**BEYOND SMART CITIES
UM AL HOUL QATAR
ECONOMIC ZONE -3 PROJECT**





WELCOME

TO BEYOND SMART CITIES
(QEZ-3) PROJECT
CONSTRUCTION ENVIRONMENTAL
MANAGEMENT PLAN (CEMP) PRESENTATION
MINISTRY OF MUNICIPALITY AND
ENVIRONMENT (MME)

“ Scope of This Presentation

- ▶ Project Overview
- ▶ Environmental Aspects and Impacts
- ▶ Related Permits
- ▶ Beyond Smart Cities HSE Management System
- ▶ Construction Environmental Management Plan
- ▶ Mitigation of Environmental Aspects and Impact
- ▶ Inspection and Monitoring
- ▶ Data Collection and Retention
- ▶ Training and Awareness
- ▶ Reporting

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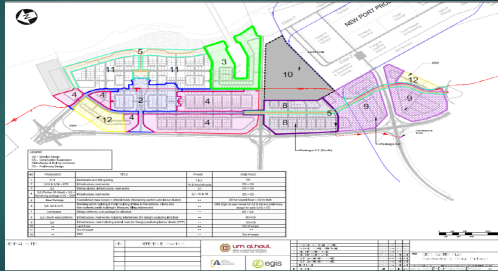
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Project Overview

- ▶ **Project Title:** Um Al Houl Qatar Economic Zone Project (QEZ-3)
- ▶ **Client:** Economic Zones Company, Qatar
(Project Manager)
HSE Manager
- ▶ **PM/CM:** Egis International
(Senior Resident Engineer)
- ▶ (Design Consultant for AJP)
- ▶ **Contractor :** BSC CONSTRUCTION
(Project Manager)



§ 3.11 (Packages)
Earthwork and
Site grading(Al
Jaber and
Partners)
§ 3.1A and 3.1B
(Packages)_Cons
truction of Roads
and
Infrastructure(LC
Q)
§ 3.3(Packages)_M
arsa Um Al Haul,
Infrastructure and
road
works(Muhibbah
Engineering
Middle East LLCMEME)



Scope of Work

- Design and Build Earthworks and Site Grading PARCEL – A , PARCEL – C and Coastal Road Project.
 - Site clearance/relocation (Flora & Fauna) including the removal of waste material, fencing, internal roads, existing utilities.
 - Earthworks and site grading.
 - Removal of unsuitable material.
 - Topographical survey.
 - Removal of existing fence and gates.
 - Dewatering.
 - Site Perimeter Drainage excavations.
 - Coastal Road and Plots works.(V.O No:1)

Project Specific Environmental Aspects

- Generation of dust
- Generation of noise
- Exhaust emissions
- Spillage of hydrocarbons
- Spillage of chemicals/hazardous substances Erosion and sedimentation
- Discovery of contaminated soil
- Habitat disturbance
- Generation of solid waste
- Consumption non-renewable resources (Energy and Water).

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Environmental Permits

SEA

• SEA Permit for QEZ-3 Project Site
• (1-4347-2016) Dated on (22 March 2016)

MME

• Mobile Crushers and Screens
• (1-15081-2015)Dated on (03 September 2015)

MME

• Dewatering Parcel-A (EP-4468/14) on 15 June 2016
• Dewatering Parcel-C (EP-5564/16) on 17 August 2016
• Dewatering Coastal Road (EP-6045/16) on 04 Jan 2017

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Permit Condition Compliance Verification Register

Permit No.	Permit Title	Permit Issued Date	Permit Expiry Date	Permit Status	Permit Condition Compliance Verification Register	Permit Condition Compliance Verification Register	Permit Condition Compliance Verification Register
SEA-1-4347-2016	SEA Permit for QEZ-3 Project Site	22 March 2016		Active			
MME-1-15081-2015	Mobile Crushers and Screens	03 September 2015		Active			
MME-EP-4468/14	Dewatering Parcel-A	15 June 2016		Active			
MME-EP-5564/16	Dewatering Parcel-C	17 August 2016		Active			
MME-EP-6045/16	Dewatering Coastal Road	04 Jan 2017		Active			

Sr No	SEA - Environmental Permit (EP) Conditions	Compliance Remarks	Compliance Yes/No	Reference Documents
1	The individual project or facility or industry needs to submit an application for environmental authorisation and separate Environmental Impact Assessment Report (EIA) study.	Not applicable to infrastructure project. Since MME requested the SEA report instead of an EIA report for management.	Yes	2023-WPMP-RT-0006-038 GEZ3 SEA Report R3 Consolidated
2	During construction phase of the project, contractor has to submit Construction Environmental Management Plan (CEMP) for MME approval.	CEMP and submitted by Environmental Management Plan (CEMP) to MME for approval.	In process	2023-AJF-PL-006-0065 E2023-0103, Separation of 2.2.1.
3	During operational phase of the project, all projects to submit the Construction Environmental Management Plan (CEMP).	CEMP will be collected during construction phase of the project.	In process	2023-WPMP-RT-0006-038 GEZ3 SEA Report R3 Consolidated
4	The Environmental permit conditions are for master plan, as well as for construction of roads and infrastructure.	The project following the Master Plan with CEPPs project monthly Environmental monitoring report, inspection and audit.	In process	Reports, CEMP, & site inspection
5	Use appropriate plant handling techniques, good maintenance and housekeeping to control dust at site. Use of cleaner diesel fuel for all vehicles and avoid the use of diesel/powered generators where practicable.	The project incorporated the dust control measures and Air quality parameters.	Yes	1,20610-AJF-RT-0025-0103, Separation of 2.2.1.

AJP Environmental Management System

Environmental Management System Manual

Environmental Management Plans

Environmental Procedures

Environmental Forms, Checklists and Templates

CERTIFICATE

The Certification Body
of ISO 9001 Management Systems
certifies that



**Al Jaber and Partners for
Construction & Energy Projects (W.L.L.)**
P.O. Box 23987
Doha, Qatar

has implemented and applies
an Environmental Management System for

**Engineering Design, Procurement, Construction,
Installation and Commissioning of Oil, Electrical, Mechanical,
Civil, Building Services, Piping, Instrumentation and
Associated Works for Oil & Gas, Petrochemical,
Power Plant and Other Utility Projects and
Infrastructure Systems Including Plants and Bridges**

as stated in certificate, Report No. 7673/2004

has been found to conform to the requirements
according to

ISO 14001:2004

see Table 1

The certificate is valid from: 2013-03-05 until: 2015-03-04.
Certificate Registration No. 12 164 207 269.



Integrating Smart Quality Capabilities in Mechanical and Electrical Services

ENVIRONMENTAL POLICY

At Jaber and Partners a full range of the types of business operations on the environment and its responsibilities towards the protection of the existing environment of better living conditions for the future generations. The management of At Jaber and Partners is committed to:

- Conduct business activities in an environmentally sensitive manner with full respect to the health and the local regional environment
- Promote the use of modern technologies and equipment in the design and construction of buildings and infrastructure
- Comply with all environmental legislation, standards and statutory provisions and guidelines
- Take all reasonable initiatives to minimise pollution of the environment
- Promote the use of non-renewable natural resources and minimisation of waste
- Minimise the usage of non-renewable natural resources and minimisation of waste
- Actively support the principles of sustainable development
- Develop and manage specific and measurable environmental objectives and targets
- Promote the use of energy and procedures for continuous improvement of environmental performance
- Promote the use of energy and procedures for continuous improvement of environmental awareness and skills
- Promote the use of energy and procedures for continuous improvement of communication and consultation of relevant stakeholders with clients, employees, shareholders and the community
- Conduct regular environmental management processes and performance

This Environmental Policy shall be communicated to all employees, contractors, service providers, and suppliers and made available to clients and the public upon request.

Amr Jaber Jaber
Managing Director
18/09/2010

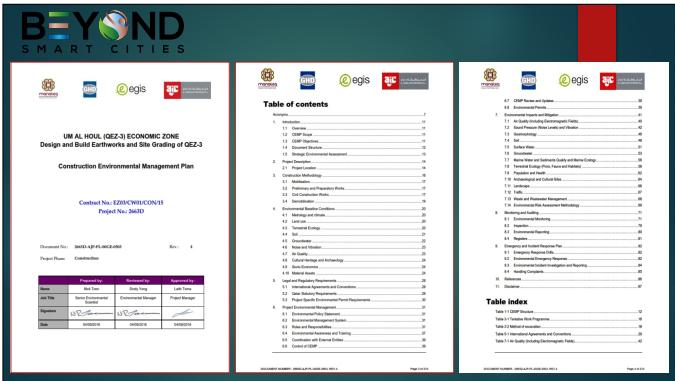
ENVIRONMENTAL SUSTAINABILITY POLICY

ANBEN & PARTNERS commits itself to maintaining its impact on our environment through:

- Providing a safe and healthy workplace;
- Having an environmentally sustainable aware culture, where responsibility is assigned and understood;
- Being an environmentally responsible neighbour in our community;
- Conserving natural resources by reusing and recycling;
- Using, in our own operations, processes that do not adversely affect the environment;
- Ensuring the responsible use of energy throughout the organisation;
- Participating in efforts to improve environmental protection and understanding;
- Taking steps to improve environmental performance continually;
- Conducting rigorous audits, evaluations, and self-assessments of the implementation of this policy;
- Encouraging suppliers who promote sound environmental practices; and
- Encouraging awareness among our employees, volunteers, and users – educating and motivating them to act in an environmentally responsible manner.

By the way, I have a small note for you. I have a small note for you. I have a small note for you.

Environmental Policy
 Approved by the Board
 10 January 2018



CEMP References

- QCS 2014 • Qatar Construction Specification (QCS)-2014
- MME • Decree Law No 30 of 2002 and it's Executive By Laws of 2005 and Annexure
- SEA • QEZ-3 – Strategic Environmental Assessment
- ISO • International Organization for Standardization(ISO)-14001
- CDTR • Contract Requirements
- AJPEMS • AJP Environmental Management System(EMS)



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THANK YOU

**THE WORLD'S 1ST GREEN TECHNOLOGY
MARKETPLACE**