

BEYOND

SMART CITIES

CONSTRUCTION ENVIRONMENTAL

MANAGEMENT PLAN - CEMP

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ENVIRONMENTAL SPECIALIST COURSE

ENVIRONMENTAL SPECIALIST

BEYOND SMART CITIES



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PROJECT ENVIRONMENTAL

MANAGEMENT

FOR ENVIRONMENTAL PROFESSIONALS

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ENVIRONMENTAL SPECIALIST CURRICULUM

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WHAT SHOULD YOU LEARN



The Contractor's environmental responsibilities are defined in the following key documents:

International Agreements and Conventions (Section 5.1)

Qatar Environmental Laws (Section 5.2);

The Contractor is committed to responsible environmental management and will implement appropriate awareness and training programmes throughout the duration of the contract package.

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BEYOND SMART CITIES PRIVATE LIMITED

People's Health and Safety are fundamental values for Beyond Smart Cities. Because this is so, Beyond Smart Cities applies the following rules for action:

- Beyond Smart Cities, Our Safety Attitude

www.beyondsmartcities.in

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To put this in to practice, Beyond Smart Cities is offering its commitment to continual improvement by applying a Sustainability/Quality/Health/Safety and Environment policy, based on the Beyond Smart Cities's four fundamental core values:

- a creative company
 - a caring company
- To achieve its ambitions, Beyond Smart Cities is committed to implement the Beyond Smart Cities Policy as defined in Impact Mutual and in any concrete terms, i.e.
- be close to its specialists, clients, manufacturers and to its marketplace;
 - foster responsibility among its employees and specialists;
 - think green and act green;
 - organise and reallocate skills development;
 - manage risks associated with the activities and projects;
 - attract and have others adopt the "Society, Kikido, Kikido";
 - prevent injury and its health/environmental pollution through continual improvement in HSE management and performance;
 - complying with applicable legal, green building regulations and other requirements relating to safety;
 - build its employees and specialists environmental sustainability culture.
- We are organising in general commitment of each employee and specialists to ensure that our management system is shared and applied by everyone.

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ROLES AND RESPONSIBILITIES

The purpose of this chapter is to identify the roles and responsibilities of the key parties involved in the implementation of the CEMP and to define the environmental hierarchy on the project.

Government (Ministry of Municipality & Environment)

Client ,Project Management / Construction Management (PMCM),Supervisory Consultants & Design Consultants, Contractors , Environmental Manager/ Representative



ENVIRONMENTAL AWARENESS AND TRAINING

Induction and Orientation :

The Contractor's Environmental Representative will present a site environmental induction to new staff within seven (7) days of their first day of work. This includes all site managers and relevant field staff.

Environmental Training : The Contractor CEMP will not be effectively implemented unless all staff is aware of their specific responsibilities and required actions. Provisions for training will be described in the Contractor CEMP and outline training sessions should be included as an appendix.



ENVIRONMENTAL AWARENESS AND TRAINING +

Tool Box Talks :

Tool box talks for all laborer and supervisory staff will be held every week / fortnight, and will contain environmental updates or awareness.

Topics that will be covered in toolbox talks are: a) Specific issues / sections in CEMP; b) Location of fuel spill clean-up materials, and procedures; c) Environmental incidents or recurring non-conformances; and d) Waste recycling.



ENVIRONMENTAL AWARENESS AND TRAINING +



Training Records :

Records of trainings will be maintained by the Environmental Representative and reviewed periodically. Sign-in sheets for each training session will be filled in by all attendees as well as the facilitator. The training attendance sheet will be completed for all training sessions and will include:

- a) Description of training;
- b) Date;
- c) Location;
- d) Facilitator name; and
- e) Trainee's details: name, company, position and signature.



COMMUNICATION



The purpose of this chapter is to guide the Contractor and sub-contractors on communication protocol and procedures both within their own organization, with second party organizations (such as PMCM and Client) and with third party external organizations (such as the MME).

The communication of relevant environmental related information internally among various levels and functions of Contractor and Developers may be done through inductions, bulletin boards, communication posters, behavior observations, suggestion boxes, newsletters, work team briefings, Project environmental meetings, milestone celebrations and feedback sheets.



COMMUNICATION +



Each Contractor and Developer site office and work site should have a HSE bulletin board with a substantial portion dedicated to environment and sustainability, in order to display posters and informational materials. In addition, field operations use banners, signs, and whiteboards as part of the program.

HSE bulletin boards can be customized but must include monthly awareness materials, and procedures to report safety and environmental incidents and unsafe conditions. The bulletin boards can also contain industry environment news, HSE meeting minutes, training announcements, and performance measures.



CONTROL OF CEMP



The most recent controlled copy of the CEMP will be maintained on site at all times. It will be available for all parties and for auditing purposes.

The Environmental Officer is responsible for all aspects of the CEMP (including the distribution of controlled copy and collection of the superseded copies).

A formal review will be undertaken of the CEMP on at least an annual basis by the Environmental Representative in order to evaluate whether the CEMP still reflects the nature of the operations and activities.



CONTROL OF CEMP

Additionally, the environmental officer will be responsible in implementing the following control plans:

- ✓ Waste Management Plan;
- ✓ Soil and Water Management Plan;
- ✓ Air Quality and Dust Control Plan;
- ✓ Noise and Vibration Control Plan;
- ✓ Fuel Storage and Refuelling Procedure;
- ✓ Chemical and Hazardous Materials Control Plan;
- ✓ Contaminated Soil Management Plan;
- ✓ Terrestrial Ecology Control Plan; and
- ✓ Archaeological and Cultural Heritage Control Plan.



CEMP REVIEW AND UPDATE +

CEMP will be updated at a minimum of annually as well as when there are major changes to any of the following:

- ✓ Environmental legislation;
- ✓ Environmental permit conditions;
- ✓ Organisation structure;
- ✓ Method statements; or
- ✓ Environmental risks associated with the works
- ✓ As variation scop of work.



ENVIRONMENTAL PERMITS

Separate environmental permits applications will be lodged with the MME/Authority where required. The following list of activities may require additional permit applications;

- ✓ Crushing sieving and transporting soil
- ✓ Geo-environmental testing and management
- ✓ Hazardous material removal Dewatering
- ✓ Site office installation





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