

BEYOND

SMART CITIES

HABITAT PRESERVATION PLAN - HPP

FOR ENVIRONMENTAL SPECIALISTS

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

ENVIRONMENTAL SPECIALIST CURRICULUM

CLIMATE CHANGE SPECIALIST

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TREES REMOVAL AND RELOCATION

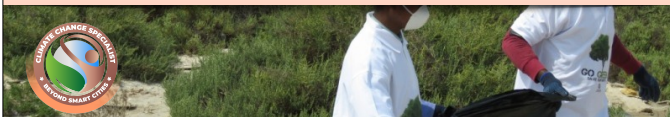
FOR ENVIRONMENTAL PROFESSIONALS

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LEARNING OBJECTIVES



The purpose of method statements

Work Organization and Responsibilities

Preparation

Procedure

Relocated Sample trees

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WHY PRESERVE TREES?

By their very nature, trees and green space provide benefits and add value to developments.

The ability of trees to improve and maintain the quality of water, soil, and air and to remove pollutants from the air is well known.

Trees also provide shade and help lower temperatures during hot weather.

Trees enrich people's lives and beautify landscapes. Preserving trees has positive effects on the image and attractiveness of developments and enhances developers' reputations and profits.

Preserving trees in developments increases a project's attractiveness, monetary value, and marketability by providing aesthetic and functional values.



REMOVE EXISTING TREES

The purpose of this Method Statement is to describe the methodology for the removal/extraction of existing Trees of Qatar Design & Build Earthworks and Site Grading of QEZ.

The procedure covers the documentation, site investigation, excavation, cutting, grub-up and removal/extraction, replanting and backfilling of the existing Trees in the project area.

EQUIPMENT & TOOLS : Small hand tools (shovel), Wheel Loaders ,Mobile Crane Hand roller, Backhoe excavator/Rock breaker, Prime mover ,Tipper Trucks ,Vibrating rollers Water bowser and Survey Equipment



ROLE & RESPONSIBILITIES

- Project Manager
- Construction Manager
- Section Engineer
- QA/QC Manager,
- Engineer and Inspector
- Surveyor Control Manager/Chief Surveyor
- HSSE Manager, Engineer and Inspector
- QA/QC Inspector -
- Site Surveyor
- Site Engineers
- General Foreman



PREPARATION

Works at site will commence following the approval of the Method Statement by PMCM and the relevant permit shall be obtained from the concerned authority prior starting.

Confirmation will be made that all required material, plant and labour are readily available prior to start the works.

All equipment operators were trained, experienced and competent and will hold the necessary certification and approval. Equipment must be in good working condition.



PREPARATION

Safety officer/s will ensure that the location and set up of the equipment does not compromise the safety of another activity/manpower.

Confirmation will be made that all required material, plant and labour are readily available prior to start the works.

Secure Clearance/Permission from MOE (Ministry of Environment) office and Wakra Municipality. Contractor will liaise through PMCM environmental departments with SCENR for the necessary clearances and approval if required.



PROCEDURE

Locations of the existing trees in a project area will be determined at site and drawing will be prepared as per survey.

Examine the site for all the removal work based on the trees location drawings and marked the trees that are needed to be removed and replant.

Investigate for any existing underground utilities nearby to the trees subjected for removal. Documentary checks will be made for the existence of the existing services in the area of excavation and removal. The Site engineer shall account trees subjected for removal, and will keep record/log of the relevant information in the presence of surveyor.



PROCEDURE

The removed trees shall be replanted according to the relevant authority instruction - Wakra Municipality.

Removed trees shall be transported by Contractor to the locations defined by Wakra Municipality.

Barricade and warning sign must be provided in work areas to ensure safe work procedure.

The Tree felling and grub up/ removal will commence in the opposite or away from wind direction as per actual condition.

Load, unload, and transport the removed trees to the designated locations/area.

EXISTING TREE RELOCATION TO AL-WAKRA MUNICIPALITY YARD



EXISTING TREE RELOCATION TO AL-WAKRA MUNICIPALITY YARD

Tree Inventory Table	
Tree No.	Tree Name
1	Acacia robusta
Total Tree Inventory: 1	

Tree Inventory Table	
Tree No.	Tree Name
1	Acacia robusta
2	Acacia robusta
3	Acacia robusta
4	Acacia robusta
Total Tree Inventory: 4	

TREES REMOVAL AND RELOCATION PLAN

Contractor is responsible for removal, replacement or relocation of trees in accordance with the requirements stated here.

✓The removal process for trees and shrubs shall be made in accordance with the procedures and conditions prescribed by the Department of Agriculture at the Ministry of Environment.

✓Relocated trees and shrubs shall be planted only at the specific sites approved by the management of protected flora and wildlife.

✓Contractor shall consider design features that will ensure biodiversity through the establishment of wildlife corridors, preservation of native flora along the route of the work and take measures to prevent weed invasion.



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