| TSC Category | Arboriculture |
| TSC Description | Develop and implement tree conservation and protection programmes |

<table>
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<th>TSC Proficiency Description</th>
<th>Level 1</th>
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<td>Implement tree conservation and protection programmes</td>
<td>Establish objectives, guidelines and plans for tree conservation and protection programmes</td>
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### Knowledge

- Principles and concepts of tree protection and conservation
- Tree protection and conservation methods and approaches
- Causes of trees damages
- Tree protection zones and root protection zones
- Types of tree protection devices, construction, installation and maintenance procedures
- Arboriculture and horticultural principles, procedures and standards
- Waste management procedures and practices for tree conservation sites
- Methods and procedures to monitor tree conservation and protection
- Regulatory compliance requirements for tree protection and conservation
- Principles and concepts of tree protection and conservation
- Tree protection and conservation methods and approaches
- Environmental implications of tree removal and deforestation
- Factors influencing protection and conservation of trees
- Resources required for tree protection and conservation
- Arboriculture and horticultural principles, procedures and standards
- Regulatory compliance requirements for tree protection and conservation

### Abilities

- Clarify tree conservation and/or protection requirements with key stakeholders
- Determine the trees to be conserved and/or
- Establish the tree conservation and/or protection objectives
- Track regulatory compliance
protected based on project plans
- Assess the environmental implications of tree conservation works for reporting to key stakeholders
- Assess the risks and hazards associated with tree conservation works
- Implement established horticultural and arboriculture principles and procedures for successful conservation of trees
- Establish barriers to ensure site safety before commencement of tree protection works
- Implement the construction and installation of tree protection devices in accordance with tree conservation and protection plans
- Implement tree protection devices maintenance according to arboriculture practices and standards
- Assess the effectiveness of tree conservation and protection plans

requirements for tree conservation works
- Review the environmental implications of tree conservation works
- Conduct assessment of trees to identify protection and/or conservation requirements
- Determine the tree conservation and/or protection requirements and approaches
- Develop the project plans and work schedules for tree conservation projects
- Prepare tree conservation reports in accordance to project and/or regulatory requirements
- Communicate risks and hazards associated with tree conservation and protection works to key stakeholders