## SKILLS FRAMEWORK FOR LANDSCAPE
**TECHNICAL SKILLS AND COMPETENCIES (TSC) REFERENCE**

<table>
<thead>
<tr>
<th>TSC Category</th>
<th>Landscape Implementation</th>
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<tbody>
<tr>
<td>TSC</td>
<td>Plants and Materials Procurement for Landscape Projects</td>
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<tr>
<td>TSC Description</td>
<td>Plan and execute the procurement of plants, trees and other materials for landscape projects</td>
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<thead>
<tr>
<th>TSC Proficiency Description</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
<th>Level 5</th>
<th>Level 6</th>
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<tbody>
<tr>
<td>LNS-PMT-3025-1.1 LNS-PMT-4025-1.1</td>
<td>Support and execute procurement of plants, trees and other materials for landscape projects</td>
<td>Develop procurement plans for landscape projects based on project requirements</td>
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### Knowledge
- Methods and techniques for cost estimation of bulk procurement of goods
- Methods of assessing market for availability of required resources and newer technologies and alternatives
- Methods to prepare cost estimates and bill of quantities
- Suppliers of arboriculture, horticultural and landscape materials
- Tender contract specifications for landscape projects
- Plant species and their alternatives available for use in landscape sites
- Horticultural principles and considerations for plant selection and procurement for landscape projects
- Negotiation methods and techniques
- Interpretation of landscape designs and plant palettes
- Characteristics, benefits and drawbacks of plants and tree species used in landscape projects
- Pre-growth requirements for trees and large shrubs
- Costing techniques for procurement decisions
- Plant species and their alternatives available for use in landscape sites
- Suppliers of arboriculture, horticultural and landscape materials
- Procurement processes and guidelines for landscape projects

### Abilities
- Assess proposed landscape designs and plans to create an inventory of all horticultural and other related materials to be used in the project
- Assess landscape designs to analyse plant palettes for landscape implementation
- Assess plant and other material inventory requirements from proposed designs
| • Conduct feasibility studies to estimate materials cost during tendering stage of projects  
• Determine the tools, equipment and machinery to be procured  
• Provide inputs on material costs to support evaluation of pricing and project bids  
• Check availability of materials according to contract specifications  
• Recommend alternatives for unavailable plants and other related materials  
• Prepare contract variations based on agreed alternatives for unavailable materials  
• Negotiate with suppliers on pricing, delivery dates, pre-growth requirements and replacement terms to establish procurement agreements  
• Prepare purchase orders for procurement in alignment with the procurement plans | • Advise clients and designers on plant palettes and tree selection based on maintainability and plant health considerations  
• Guide clients and project management teams on plant and tree selection for procurement  
• Prepare procurement plans in alignment with project implementation plan  
• Identify available alternate plant species by visiting nurseries  
• Propose alternative plant species and/or materials to clients and designers in case of unavailability of agreed plants and/or materials  
• Review purchase orders in alignment with the procurement plans  
• Oversee procurement process to ensure the needs of the organisation and the projects are met |