

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

TSC Category	Landscape Implementation					
TSC	Plants and Materials Procurement for Landscape Projects					
TSC Description	Plan and execute the procurement of plants, trees and other materials for landscape projects					
TSC Proficiency Description	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6
			LNS-PMT-3025-1.1	LNS-PMT-4025-1.1		
			Support and execute procurement of plants, trees and other materials for landscape projects	Develop procurement plans for landscape projects based on project requirements		
Knowledge			<ul style="list-style-type: none"> • 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 of 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 	<ul style="list-style-type: none"> • 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			<ul style="list-style-type: none"> • Assess proposed landscape designs and plans to create an inventory of all horticultural and other related materials to be used in the project 	<ul style="list-style-type: none"> • Assess landscape designs to analyse plant palettes for landscape implementation • Assess plant and other material inventory requirements from proposed designs 		

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			<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 		
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