

## Gardening Products and Services

### Definition:

*These product group criteria are applicable for the direct procurement of the main products/elements used in garden maintenance: plant species, soil improvers, gardening materials and tools, machinery (lawnmowers, shredders...), irrigation systems; and for the procurement of gardening service.*

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Soil improvers														
1.1	Subject Matter (suggestion on how to draft the tender title)													
	Purchase of environmentally friendly soil improvers.													
1.2	Technical Specification (to be included in the terms of reference / technical specifications)													
	<b>General constituents</b>  The product shall not contain the following substances: <ul style="list-style-type: none"><li>• Peat<sup>14</sup></li><li>• Sewage sludge</li></ul>													
	Organic matter content must be derived from the processing and/or re-use of waste (as defined in Council Directive 2006/12 /EC of 5 April 2006 on waste and its Annex I).													
	<p>(Non-sewage) sludges are allowed only if they are identified as one of the following wastes according to the European list of wastes (as defined by Commission Decision 2001/11 8/EC of 16 January 2001 amending Decision 2000/532/EC as regards the list of wastes and when these have not been mixed with effluents or sludge outside the specific production process):</p> <ul style="list-style-type: none"><li>• 020305 sludges from on-site effluent treatment in the preparation and processing of fruit, vegetables, cereals, edible oils, cocoa, coffee, tea and tobacco; conserve production; yeast and yeast extract production, molasses preparation and fermentation.</li><li>• 020403 sludges from on-site effluent treatment in sugar processing.</li><li>• 020502 sludges from on-site effluent treatment in dairy products industry.</li><li>• 020603 sludges from on-site effluent treatment in baking and confectionery industry</li><li>• 020705 sludges from on-site effluent treatment in the production of alcoholic and non-alcoholic beverages (except coffee, tea and cocoa).</li></ul> <p>Maximum concentrations of heavy metals in the waste before treatment (mg/kg dry weight) must meet the requirements of the next criterion on hazardous substances.</p>													
	Verification:	Bidders must provide the detailed composition of the product, the origin of organic matter and a declaration of compliance with the above requirements. Products carrying the EU Ecolabel will be deemed to comply. Other appropriate means of proof, such as a technical dossier of the manufacturer or a test report of an independent body, will also be accepted.												
	<b>Hazardous substances</b>  In the final product, the content of the following elements shall be lower than the values shown below, measured in terms of dry weight: Element - mg/kg (dry weight)													
	<table><tr><td>Zn - 300</td><td>Cr - 100</td><td>Cd - 1</td><td>Mo (*) - 2</td></tr><tr><td>Cu - 100</td><td>Pb - 100</td><td>As (*) - 10</td><td>Se (*) - 1.5</td></tr><tr><td>Ni - 50</td><td>Hg - 1</td><td>F (*) - 200</td><td></td></tr></table>		Zn - 300	Cr - 100	Cd - 1	Mo (*) - 2	Cu - 100	Pb - 100	As (*) - 10	Se (*) - 1.5	Ni - 50	Hg - 1	F (*) - 200	
Zn - 300	Cr - 100	Cd - 1	Mo (*) - 2											
Cu - 100	Pb - 100	As (*) - 10	Se (*) - 1.5											
Ni - 50	Hg - 1	F (*) - 200												
	(*) Data relating to the presence of these elements are needed only for products containing material from industrial processes.													
	Verification:	Bidders must provide the relevant test reports (EN 13650, ISO 16772 or equivalent) demonstrating that the above criterion is met. Products carrying the EU Ecolabel will be deemed to comply. Other appropriate means of proof, such as a technical dossier of the manufacturer or a test report of an independent body, will also be accepted												

Ornamental plants		
2.1	Subject Matter (suggestion on how to draft the tender title)	
	Purchase of ornamental plants and trees	
2.2	Technical Specification (to be included in the terms of reference / technical specifications)	
	<b>Plant characteristics</b>  Vegetation to be used has to selected based on the “ Common Species used for Landscaping in the Maltese Islands” issued by the Environment Management Unit Planning Directorate dated 2009, or any other subsequent updated version.	
	<b>Verification:</b>	Bidders must present a list of all the species they propose to supply, together with the prices and the total number of units to be delivered. Within this list bidders must ensure that the list conforms with the guidelines set out in the “ Common Species used for Landscaping in the Maltese Islands “ issued by the Environment Management Unit Planning Directorate dated 2009.

Irrigation systems		
3.1	Subject Matter (suggestion on how to draft the tender title)	
	Procurement of automatic irrigation systems	
3.2	Technical Specification (to be included in the terms of reference / technical specifications)	
	The irrigation system must be adjustable in terms of volume of dispensed water by zones.	
	The irrigation system must have adjustable timers, to programme the watering period.	
	The irrigation system must have hygrometers that measure soil humidity levels and automatically block irrigation when the humidity level of soil is high enough (for example after rain).	
	Verification:	Bidders must provide appropriate technical documentation demonstrating that these criteria are met.

Gardening machinery			
The following criteria apply only to the following gardening machines:			
<ul style="list-style-type: none"><li>• Lawn-mowers (incl. lawn tractors) and scarifiers</li><li>• Brush saws</li><li>• Chainsaws</li><li>• Trimmers</li><li>• Trimmers and hedge trimmers</li><li>• Leaf collectors and leaf blowers</li><li>• Auto-scyths</li><li>• Rotary cultivators</li><li>• Compost shredders</li></ul>			
4.1	Subject Matter (suggestion on how to draft the tender title)		
	Procurement of environmentally friendly <i>[insert the type/s of garden machine/s to be purchased according to the list above]</i> .		
4.2	Technical Specification (to be included in the terms of reference / technical specifications)		
	<b>Fuel types</b>  If the machine has a combustion engine, this shall be designed so that it can be run on one or more of the following fuel grades: unleaded petrol with a benzene content of <1.0 % by volume, alkylate petrol, class A diesel oil, or biofuel-based engine fuel.		
	Verification:	Bidders must present a signed declaration of compliance. Machines carrying a type I ecolabel meeting the above requirement will be deemed to comply.	
	<b>Noise Emissions</b>  The noise emission level of the machine shall be below the noise levels outlined in the table below. The machine shall be tested for noise output in accordance with the general standard specified in the EU Noise Directive (2000/14/EC), EN-ISO 3744/1995 and by a testing laboratory qualified under Article 15 of the same Directive.  Maximum admissible value of :		
	Machine	Details	Sound power level LWA
	Lawn-mowers (incl.tractors), lawn scarifiers	L ≤ 50 cm: 50 < L ≤ 12 0 cm: L > 12 0 cm:	94 dB/1 pW 98 dB/1 pW 103 dB/1 pW
	Brush saws	1,5 kW: > 1,5 kW:	107 dB/1 pW 11 0 dB/1 pW
	Chainsaws	2,5 kW: > 2,5 kW:	105 dB/1 pW 11 0 dB/1 pW
	Trimmers	Electric engine Combustion engine	94 dB/1 pW 104 dB/1 pW
	Trimmers and hedge trimmers	Electric engine Combustion engine	96 dB/1 pW 103 dB/1 pW

	Leaf collectors and leaf blowers	For professional use	105 dB/1 pW
	Auto-scythes	1,5 kW: > 1,5 kW:	107 dB/1 pW 110 dB/1 pW
	Auto-hoes		96 dB/1 pW
	Rotary cultivators		93 dB/1 pW
	<b>Verification:</b>	The bidder must present the laboratory test results or an appropriate technical dossier demonstrating compliance. Machines carrying a type I ecolabel meeting the above requirements will be deemed to comply.	
<b>4.3</b>	<b>Award Criteria (to be considered when BPQR is utilised)</b>		
	<b>Noise Emissions</b>  Machines with lower noise emissions than the maximum included in the specifications		
	<b>Verification:</b>	Bidders must present the laboratory test results, or an appropriate technical dossier indicating noise emission values according to the test methods outlined in the specifications or equivalent	

Machinery lubricant oils (except 4-stroke engine lubricants)		
5.1	Subject Matter (suggestion on how to draft the tender title)	
	Purchase of readily biodegradable lubricants	
5.2	Technical Specification (to be included in the terms of reference / technical specifications)	
	<b>Renewable raw materials</b>  The formulated product shall have a carbon content derived from renewable raw materials (derived from vegetal oils or animal fats) that shall be equal or bigger than:  <ul style="list-style-type: none"><li>• ≥50 % (m/m) for hydraulic oils</li><li>• ≥45 % (m/m) for greases</li><li>• ≥70 % (m/m) for chainsaw oils and other total loss lubricants</li><li>• ≥50 % (m/m) for two-stroke oils</li></ul>	
	<b>Verification:</b>	Bidders must provide the detailed composition of the product, the origin of renewable raw materials and a declaration of compliance with the above requirement. Products carrying the EU Ecolabel will be deemed to comply.
	<b>Environmental and human health hazards</b>  The product shall not have been assigned any R-phrases indicating environmental and human health hazards according to Directive 1999 /45/EC. The following R-phrases are considered relevant for this product group:  R 20, R 21 , R 22 , R 23, R 24, R 25 , R 26, R 27, R 28, R 33, R 34, R 35, R 36, R 37, R 38, R 39, R 40, R 41, R 42, R 43, R 45, R 46, R 48, R 49, R 50, R 51 , R 52 , R 53, R 59 , R 60, R 61, R 62, R 63, R 64, R 65, R 66, R 67, R 68, and combinations thereof.	
	<b>Verification:</b>	Products carrying the EU Ecolabel will be deemed to comply. Alternatively bidders must present: a list of all the main components (any substance accounting for more than 5 % by weight of the lubricant) included in the product, giving their names and where applicable, their Einecs or Elincs number and the concentrations in which they are used; the product safety data sheet (meeting the requirements of Commission Directive 91 /155 /EEC); and the safety data sheets of each main component (meeting the requirements of Directive 91 /155 /EEC and Council Directive 67/548/EEC).

Gardening services		
6.1	Subject Matter (suggestion on how to draft the tender title)	
	Gardening services using environmentally friendly products and practices	
6.2	Technical Specification (to be included in the terms of reference / technical specifications)	
	<b>Fertilisation with soil improvers</b>  The soil improvers to be used in carrying out the service must comply with the following criteria:  <i>(Insert criteria relating to the purchase of soil improvers, section 1.).</i>	
	<b>Verification:</b>	Bidders must present a list with the products to be used in carrying out the service (manufacturer and commercial name). If the products are certified with the European Ecolabel they will be deemed to comply. If not, bidders must provide the documentation mentioned with the specifications for each product they propose.
	<b>New Ornamental Plants</b>  <i>[If they are to be provided by the contractor]</i> The new ornamental plants to be planted in carrying out the service must comply with the following criteria:  <i>(Insert criteria relating to the purchase of ornamental plants, section 2.).</i>	
	<b>Verification:</b>	Bidders must present all the documentation mentioned with the specifications corresponding to the nursery or nurseries from which they will buy the plants.
	<b>Machinery</b>  Bidders must have shredders to treat woody organic waste and transform it into mulch.	
	<b>Verification:</b>	Bidders must present all the documentation to show that this criterion is met.