



**Environmental criteria for sustainable public
procurement of**

Mobile Equipment Contracting

Version 30 March 2017

1. Scope/definition

The Mobile Equipment Contracting product group includes the rental of mobile machinery not intended for the road, such as mobile equipment, conveyable industrial equipment or vehicles with or without a body, not intended for the road transport of passengers or goods, in which an internal combustion engine as described in annex I, part 1 of Directive 97/68/EC is installed.

The contracting of the mobile equipment includes the operating/steering personnel. Mobile equipment refers to earth moving equipment such as loaders and excavators, mowers, street sweepers, tractors, etc. In general, this involves equipment with a diesel engine and variable/constant rpm and without a registration number. Forklift trucks are also considered mobile equipment, although these may also incorporate different engine types, such as electric or LPG engines.

This product group does not include any electrical vehicles like those used in warehouses for instance.

For the benefit of the contracting authority, a number of CPV codes that might be of relevance to this product group have been included in this document. This selection is by no means exhaustive or complete. The contracting authority retains responsibility for compiling the correct set of CPV codes that matches the relevant tender.

The following products (with their corresponding CPV codes) are part of this product group. This list of products is not intended to be exhaustive.

Products	CPV code
Shovel loaders	34144710-8
Hoisting cranes	42414100-2
Forklift trucks	42415100-9
Earth moving and excavating machinery, and accompanying parts	43200000-5
Steamrollers	43312500-8
Cherry pickers	44481000-5

This document describes the environmental criteria. Information about the other elements of sustainable public procurement, such as social conditions and social return, may be found on the PIANOo website, on the specific product group page: <https://www.pianoo.nl/document/10846/productgroep-mobiele-werktuigen-uitbesteding>.

2. Criteria documents and approach to sustainable groundwork, road and hydraulic engineering

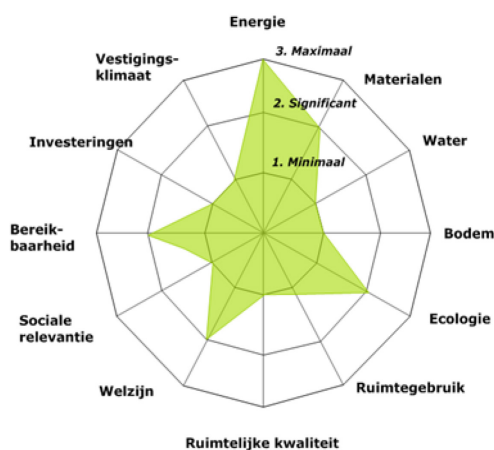
The core of the Sustainable Groundwork, Road and Hydraulic Engineering Approach is to allow sustainability aspects to be a consideration from an early planning stage, with a focus on the whole life cycle of the infrastructure or object(s) to be built. This is the approach that facilitates the biggest gains in sustainability, and it allows a good and broad-based consideration of People, Planet and profit to be made in every project (see also <http://duurzaamqww.nl>).

The AmbitionWeb has a key role in the Sustainable Groundwork, Road and Hydraulic Engineering Approach. It helps clarify ambitions at an early stage of a project, so they can then be maintained throughout the entire project process, from start to finish. For more information about the Sustainable Groundwork, Road and Hydraulic Engineering Approach and AmbitionWeb, see <http://duurzaamqww.nl/ambitieweb>.

The AmbitionWeb revolves around a number of sustainability themes, each with three ambition levels:

1. insight into the biggest impactors and flows for the theme in question, with the achievement of a minimum level, “state of the art”;
2. drafting specific reduction targets and achieving a significant improvement on the theme in question;
3. adding value, instead of just making things “less bad”.

Not only is the impact on people/planet/profit zero, but a positive contribution is made.



Part of level 1 is meeting the suitability requirements, minimum requirements and contract provisions of the Sustainable Procurement criteria documents. The award criteria may be used to make a contribution to levels 2 and 3.

The following table presents the themes, based on the classification used in the criteria documents, on which the buyer can actually have an impact by using the requirements and criteria in this criteria document. It should be noted that a slightly different classification is used in the AmbitionWeb.

Below is a list of the requirements and criteria broken down by the individual themes. The criteria documents identify a total of five themes (the corresponding theme from the AmbitionWeb is shown in brackets):

- energy and climate (AmbitionWeb: “energy”);
- supplies and raw materials (AmbitionWeb: “supplies”);
- water and soil (AmbitionWeb: “water” and “soil”);
- living environment (AmbitionWeb: “welfare”);
- nature and space (AmbitionWeb: “ecology”).

The following table presents the themes on which the buyer can actually have an impact by using the requirements and criteria in this criteria document.

Themes	Level 1 AmbitionWeb Selection criteria (SC) Technical specifications (ME) Contract provisions (CB)	Level 2 AmbitionWeb Award criteria (GC)
Living environment	ME1. Emissions requirements	GC1. Emissions requirements

3. Assignment of criteria to project phases

The criteria in this document pertain to mobile equipment to be used in the performance of works.

4. Selection criteria

Not defined for this product group.

5. Technical specifications

No.	Technical specifications (ME)
ME1	<p>Emissions requirements</p> <p>The mobile diesel equipment with engines with a variable rpm are at least in compliance with the following phase standards (see Directive 2004/26/EC):</p> <ul style="list-style-type: none">• 19 kW to 130 kW power: Phase standard III-A;• 130 kW to 560 kW power: Phase standard III-B. <p>For equipment in the category 130-560 kW with a very specific application, there may not be more than one supplier of equipment in compliance with phase standard III-B. The purchaser must explore the options in advance. If there proves to be an insufficient number of suppliers, this equipment will be subject to phase standard III-A.</p> <p>The mobile diesel equipment with engines with a constant rpm are at least in compliance with phase standard II (see Directive 2004/26/EC):</p> <p><i>Explanation</i></p> <p>The emission requirements for mobile equipment with diesel engines are laid down in Directive 2004/26/EC. Mobile equipment must be inspected in accordance with the European Stage limits. Mobile equipment inspected in accordance with the American TIER standards does not satisfy the minimum requirement.</p> <p>It is important that every effort is made to make the cleanest use possible of mobile equipment. It cannot be the case however that the contracting of services is subject to the same requirements that apply for procurement. That would require the tenderer who carries out the activities to renew all its equipment.</p> <p><i>Verification</i></p> <p>The tenderer may be asked for a copy of the statement of conformity for the mobile equipment that will be used for the performance of the contract. Which emission(s) have been granted for each type of mobile equipment can be derived from these, as well as other issues.</p>

6. Award criteria

No.	Award criteria (GC)
GC1	<p>Emissions requirements</p> <p>The greater the share of the mobile diesel equipment to be supplied that meets or exceeds the following phase standards, the higher the rating the tender may be awarded:</p> <ul style="list-style-type: none"> • Mobile equipment with engines with variable rpm: <ul style="list-style-type: none"> ○ 19 kW to 130 kW power: Phase standard III-B; ○ 130 kW to 560 kW power: Phase standard IV; • Mobile equipment with engines with constant rpm: <ul style="list-style-type: none"> ○ Phase standard III-A. <p>If in ME1 a choice is made for adjustment of the phase standard for equipment in the 130-560 kW category, then in this award criteria, phase standard IV can be adjusted to phase standard III-B for this equipment.</p> <p><i>Explanation</i></p> <p>The emission requirements for mobile equipment with a diesel engine have been defined in the Directives 2004/26/EC and 2005/13/EC. Mobile equipment must be inspected in accordance with the European phase standards. Mobile equipment inspected in accordance with the American TIER standards does not satisfy the minimum requirement.</p> <p>Suppliers may still have equipment with lower phase standards. In order to realise the cleanest use possible of mobile equipment, the cleanest equipment must be used for the contract. The intention is that suppliers use equipment that causes the lowest emissions into the air and the lowest noise emissions.</p> <p><i>Verification</i></p> <p>The tenderer may be asked to submit a copy of the statement of conformity for the mobile equipment that will be used for the performance of the contract. Which emission(s) have been granted for each type of mobile equipment can be derived from these, as well as other issues.</p>

7. Contract provisions

Not defined for this product group.