



Environment and Spatial Planning
*Ministry of Housing, Spatial Planning and
the Environment*

Criteria for the Sustainable Public Procurement of **Mobile Equipment**

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These criteria for Sustainable Public Procurement were developed by NL Agency at the request of the Ministry of Housing, Spatial Planning and the Environment (VROM). The programme for sustainable operational management for public authorities (DBO) is a joint initiative of the Dutch Government, the Association of Netherlands Municipalities (VNG), the Association of Provincial Authorities (IPO) and the Association of Water Boards (UvW).

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1 Introduction

The Dutch government wants to take concrete steps towards a sustainable society, and to set a good example. Each year, government organisations spend more than EUR 50 billion on the purchase of Supplies, Services and Public works. By purchasing sustainably, the government can significantly boost the market for sustainable products. Governmental authorities have set clear objectives to achieve this: the central government is aiming for 100% sustainable public procurement in 2010, while the municipalities aspire towards 75% in 2010 and 100% in 2015. Provincial governments and water boards have set themselves the target of at least 50% in 2010. 100% Sustainable Public Procurement is understood to mean that all purchases meet the minimum requirements that have been set for the relevant product groups at the time of purchase. More information on this topic is available from the website Sustainable Procurement (www.agentschapnl.nl/sustainableprocurement).

NL Agency supports government authorities in various ways to help reach these objectives. These include developing criteria for Supplies, Services and Public works procured by these authorities. This document focuses on the criteria for the Mobile Equipment group, the elaboration of the criteria in specification texts and a more detailed assessment of the criteria, as well as a number of points for attention in the pre- and post-procurement stages. Additional background information and considerations regarding the content of the criteria can be found in the criteria document on the website Sustainable Procurement (www.agentschapnl.nl/duurzaaminkopen/criteria), available in Dutch only.

1.1 Definition of the product group

The Mobile Equipment product group includes mobile machinery not intended for the road, such as mobile work vehicles, 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.

This kind of Mobile Equipment includes earth moving equipment such as loaders and excavators, mowers, street sweepers, tractors, etc. In general this involves equipment with a diesel engine, variable/constant rpm and without a registration number. Forklift trucks are also considered Mobile Equipment, even though these may 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. The selection is by no means exhaustive or complete. The contracting authority will remain responsible for compiling the correct set of CPV codes to match the relevant tender.

The following CPV codes apply to this product group:

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

2 Sustainability in the procurement process

The criteria in this document have been classified in the various steps of the Public Procurement Process. More information about these steps and how to combine them with sustainability can be found in the Sustainable Public Procurement Manual. This manual can be downloaded from the website Sustainable Procurement www.agentschapnl.nl/sustainableprocurement.

2.1 Preparatory stage (points for consideration)

Every purchase or call for tender starts with drawing up the inventory of the needs of the internal or external customer. Sustainability can be incorporated into this stage by considering whether the purchase is truly necessary and whether a more sustainable alternative might be available. Specific points for consideration regarding procurement for the Mobile Equipment Contracting product group are:

- Reducing the desired volume of the procurement (in numbers of vehicles). Before the decision to purchase Mobile Equipment is made, the following questions must be answered: Is it really necessary to purchase new Mobile Equipment? Is it possible to accomplish the task by temporarily renting equipment? In the case of incidental use, a rental contract is a possible alternative to purchasing new Mobile Equipment. Or is it possible to make more efficient use of the existing Mobile Equipment, so that expanding the fleet is not (yet) necessary. The rented Mobile Equipment must satisfy the criteria.
- Opt for the smallest possible engine capacity. Equipment with smaller engine capacity is less expensive to purchase and uses less fuel.

2.2 Specification stage (criteria)

During the specification stage, the needs of the internal or external customer are translated into a tender document. This stage entails the formulation of:

- Criteria for supplier qualification. These could include grounds for exclusion, suitability requirements, i.e. requirements with regard to suppliers, and, in the case of restricted procedures, any selection criteria, i.e. wishes with regard to suppliers.
- A description of the minimum requirements pertaining to supply, service or task (the Schedule of Requirements).
- Award criteria, i.e. wishes regarding Supplies, Services and Public works. These are only applicable when the tendering process is based on the principle of the Most Economically Advantageous Offer ('Economisch Meest Voordelige Inschrijving' or EMVI).
- The contract stipulating the contract provisions.

More information on the various types of criteria and the various tender options can be found in the Sustainable Public Procurement Manual. Innovation is also included in the award criteria, where relevant. Innovation is oriented towards the development and introduction of new ideas and products.

The criteria in this document have been formulated to support the purchaser in the Sustainable Procurement of Mobile Equipment. The criteria have been subjected to legal review. However, every procurement and tender process is unique. For that reason, the drafting of a tender document remains the responsibility of the purchaser.

2.2.1 Supplier qualifications

No criteria have been formulated for this specific product group with regard to supplier qualification. More information on the possibilities of incorporating sustainability at this stage of the process can be found in the Sustainable Public Procurement Manual.

2.2.2 Schedule of requirements

Minimum requirements

Minimum requirement no. 1	<p>Mobile diesel equipment must satisfy the emission requirements of Phase IIIA (according to decision 2004/26/EC) and have a soot filter.</p> <p><u>Means of proof:</u></p> <ol style="list-style-type: none"> 1. A statement from the tenderer included in the tender that he satisfies (this requirement in) the Schedule of Requirements; 2. A statement included in the tender indicating the vehicles to be supplied, specified by mark and type. 3. A copy of the type approval statement (can be obtained from the manufacturer) which indicates which emission(s) have been granted for the type/types of vehicles to be supplied.
Notes for purchaser	<p>The emission requirements for mobile equipment with diesel engines are laid down in the Directive 2004/26/EC. Mobile equipment with a diesel engine that is purchased after 1 January 2007 must in any event satisfy the emission requirements from phase IIIA. The European standards coincide with the US standards (phase IIIA coincides with TIER III and phase IIIB coincides with TIER IV). The market is not yet broad enough for a requirement that all equipment satisfy phase IIIB.</p> <p><u>Verification:</u></p> <ol style="list-style-type: none"> 1. No further verification or request for further information/documentation. 2. No further verification. 3. No further verification.

Minimum requirement no. 2	<p>Upon delivery of mobile equipment, the supplier must provide the protocol for use. The protocol for use contains information on using the mobile equipment in an energy efficient manner.</p>
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	<p><u>Means of proof:</u></p> <ol style="list-style-type: none"> 1. A statement from the tenderer included in the tender that he satisfies (this requirement in) the Schedule of Requirements.
Notes for purchaser	<p><u>Verification:</u></p> <ol style="list-style-type: none"> 1. No further verification.

2.2.3 Award criteria

Award criteria

Award criterion no.1	<p>If the mobile diesel equipment to be supplied satisfies the emission requirements of phase IIIB (decision 2004/26/EC), [XX] points are awarded for this section.</p> <p><u>Means of proof:</u></p> <ol style="list-style-type: none"> 1. A statement from the tenderer included in the tender that he satisfies this award criterion. 2. A statement included in the tender indicating the vehicles to be supplied, specified by mark and type. 3. Included in the tender: a copy of the type approval statement (can be obtained from the manufacturer) which indicates which emission(s) has/have been granted for the type/types of vehicles to be supplied.
Notes for purchaser	<p>As long as Phase IIIB mobile equipment is not easily available enough to make this categorisation a requirement, the requirements of Phase IIIA suffice. Phase IIIB can be included as a desire (award criterion) in order to bring further-reaching environmental ambitions a step closer. The emission requirements for mobile equipment with diesel engines are laid down in the Directive 2004/26/EC. The European standards coincide with the US standards (phase IIIA coincides with TIER III and phase IIIB coincide with TIER IV). Mobile equipment with capacity of 130-560 kW must satisfy the emission requirements of Phase IIIB after 2011; mobile equipment with capacity of 56-130 kW must satisfy these requirements after 2012.</p> <p><u>Verification:</u></p> <ol style="list-style-type: none"> 1. No further verification or request for further information/documentation. 2. No further verification. 3. No further verification.

2.2.4 Contract

No contract provisions have been formulated for this product group.

2.3 Utilisation stage (points for consideration)

Once the procurement stage has been concluded and a product or service has been purchased, there are opportunities for using the product in a sustainable manner. Specific points for consideration for this product group are:

Timely and correct maintenance

During the working life of the mobile equipment, regular and professional maintenance is essential to maintain the environmental performance of the vehicles. Criteria for the maintenance of means of transport are included in the procurement package "maintenance of means of transport". An important point for consideration in connection with the fuel consumption of a vehicle is proper tyre pressure. This can save 2 to 3% on fuel consumption. Periodically checking the tyre pressure is an important aspect of maintaining vehicles.

Biodegradable lubricants and oil

There are sustainable varieties of oils and lubricants, specifically biodegradable non-toxic lubricants and hydraulic oil. The use of biodegradable lubricants, oils and fuels reduces emissions that pollute the environment (air and soil) during the utilisation stage.