

## ***Sustainable Public Procurement-fiche: advanced***

### ***1) Subject matter***

Towel rolls and dispensers and the towel cleaning services that make use of environmentally friendly materials and processes.

“For <.....> (name of the public authority), the care for the environment and social aspects is important. It is stated in her <strategic policies>, <mission>, <vision>, <procurement policy>, ...”

### ***2) Exclusion criteria***

Non compliance with environmental and social legislation, which has been the subject of a final judgment or a decision having equivalent effect, may be considered an offence concerning the professional conduct of the economic operator concerned or grave misconduct, permitting to exclude the party concerned from competing for the contract

Ref:

Art. 53 and 54 of Directive 2004/17/EC and Art. 45 of Directive 2004/18/EC

### ***3) Technical capacity(not exclusive)***

The EMAS certificate or equivalent certificates covering Towel rolls, towel dispensers and towel service, can serve as possible means of proof for companies to demonstrate their technical capacity to perform the environmental management measures. Equivalent certificates are issued by bodies conforming to Community law or the relevant European or international standards concerning certification and based on relevant European or international environmental management standards. Also all other means of evidence provided by the company that can prove this technical capacity will be accepted.

### ***4) Technical specifications***

#### ***PART A: General requirements***

- The fabric towel rolls must be reusable for at least 80 times and must be obtainable from a towel dispenser.



**PART B: Washing agents**

**All the used products have to comply with the technical specifications described in the productgroup ‘laundry detergents for professional use’ (advanced level) as described in [www.gidsvoorduurzameaankopen.be](http://www.gidsvoorduurzameaankopen.be)**

**Evidence for part A:**

The compliance with all the criteria mentioned in part A can be proved with one of the following labels:



Nordic Swan



Blaue Engel

In case that the tendering company can present one of these labels, any further proof is not necessary. Any other suitable evidence from a recognized body can also be used.

**Evidence for part B:**

For the washing agents (part B), products should comply with technical specifications for ‘laundry detergents for professional use’ (advanced level) as described in [www.gidsvoorduurzameaankopen.be](http://www.gidsvoorduurzameaankopen.be)

**5) Awarding the contract:**

	<b>Criterion</b>	<b>Weight</b>
1	<b>Price</b>  <i>Calculation (e.g.):</i> Lowest offered price/ stated price x 0,70	e.g. 70%
2	<b>Environmental criteria</b> (The public authority formulates the points it wants to assign to the below mentioned criteria )	e.g. 20%



	<i>Calculation (e.g.):</i> Total scored points / maximum number of points x 0,20	
3	...	e.g. 5 %
4	...	e.g.....

## ***Environmental criteria***

### ***General substance requirement***

#### ***Washing agents***

Award criteria for washing agents should comply with the award criteria for 'laundry detergents for professional use' as described in [www.gidsvoorduurzameaankopen.be](http://www.gidsvoorduurzameaankopen.be)

#### ***Laundry process***

- The total quantity of chemicals that is used per kg of laundry is not more than 20gr.
- The total quantity of insoluble inorganic substances is not more than 5g/kg of laundry.
- The total quantity of not ultimately biodegradable substances is not more than 1g per kg of laundry.
- The total quantity of not anaerobically biodegradable substances is not more than 1 g/kg of laundry.
- Washing is to be done with soft water in order to minimize the use of tensides.
- The amount of water that is consumed per kg laundry. The less water that is consumed the more points that can be received.
- The electricity consumption is less than 0.36 kWh/kg laundry. The less electricity that is consumed the more points that can be received.
- The amount of used electricity that is produced without fossil fuels. The bigger this amount is, the more points that can be received.
- The entire cleaning process and after-treatment of the fabric towel rolls must be done without any agents containing biocide substances.

Excluded from this prescription are:

- o in the inserted preparations contained pot preservatives for the purpose of conservation
- o bleaching agents on oxygen basis.



### *Textile*

- The water extract from the new fabric hand towel roll has a pH between 4,0 and 7,5.
- The quantity of formaldehyde emitted from the hand towel roll does not exceed 75 ppm.
- The sum of the following pesticides in the towels shall be not more than 1mg/kg: 2,4,5-T; 2,4-D; Azinophosmethyl; Azinophosethyl; Aldrine; Bromophos-ethyl; Captafol; Carbaryl; Chlordane; Chlordimeform; Chlorfenvinphos; Coumaphos; Cyfluthrin; Cyhalothrin; Cypermethrin; DEF; Deltamethrin; DDD; DDE; DDT; Diazinon; Dichlorprop; Dicrotophos; Dieldrine; Dimethoate; Dinoseb and salts;  $\alpha$ -Endosulfan;  $\beta$ -Endosulfan; Endrine; Esfenvalerate; Fenvalerate; Heptachlor; Heptachloroepoxide; Hexachlorobenzene;  $\alpha$ -Hexachlorocyclohexane;  $\beta$ -Hexachlorocyclohexane;  $\delta$ -exachlorocyclohexane; Isodrine; Kelevane; Kepone; Lindane; Malathion; MCPA; MCPB; Mecoprop; Metamidophos; Methoxychlor; Mirex; Monocrotophos; Parathion; Parathion-methyl; Perthane; Phosdrin/Mevinphos; Propethamphos; Profenophos; Quinalphos; Strobane; Telodrine; Toxaphene; Trifluralin, Chlorophenols.
- The amount of chlorophenols (di, tri and pentachlorophenol) does not exceed a total of 500 $\mu$ g chlorophenols per kg of fibre in the hand towel roll.
- Levels of extractable halogenated hydrocarbons (EOX) do not exceed a total of 1mg/kg of fibre in the hand towel roll.
- Levels of extractable heavy metals in the end fabric hand towel roll do not exceed the following limit values:
  - o Arsenic: 1mg/kg
  - o Lead: 1 mg/kg
  - o Cadmium: 0,1mg/kg
  - o Chromium: 2 mg/kg
  - o Chromium VI: 0,5mg/kg (is the detection limit)
  - o Cobalt: 4mg/kg
  - o Copper: 50mg/kg
  - o Nickel: 4 mg/kg
  - o Mercury: 0.02mg/kg.
- Azo dyes that may cleave to any one of the following aromatic amines are not used in the hand towel roll:
  - o 4-aminodiphenyl (92-67-1)
  - o Benzidine (92-87-5)
  - o 4-chloro-o-toluidine (95-69-2)
  - o 2-naphthylamine (91-59-8)
  - o o-amino-azotoluene (97-56-3)
  - o 2-amino-4-nitrotoluene (99-55-8)



- p-chloroaniline (106-47-8)
  - 2,4-diaminoanisol (615-05-4)
  - 4,4'-diaminodiphenylmethane (101-77-9)
  - 3,3'-dichlorobenzidine (91-94-1)
  - 3,3'-dimethoxybenzidine (119-90-4)
  - 3,3'-dimethylbenzidine (119-93-7)
  - 3,3'-dimethyl-4,4'-diaminodiphenylmethane (838-88-0)
  - p-cresidine (120-71-8)
  - 4,4'-methylene-bis-(2-chloraniline) (101-14-4)
  - 4,4'-oxydianiline (101-80-4)
  - 4,4'-thiodianiline (139-65-1)
  - o-toluidine (95-53-4)
  - 2,4-diaminotoluene (95-80-7)
  - 2,4,5-trimethylaniline (137-17-7)
  - 4-aminoazobenzene (60-09-3)
  - o-anisidine (90-04-0)
- The following dyes that are carcinogenic, mutagenic or reproduction toxic are not used to colour fabric hand towel rolls:
- C.I. Basic Red 9
  - C.I. Disperse Blue 1
  - C.I. Acid Red 26
- The following dyes that are classified as sensitising are not used to colour the fabric hand towel rolls:
- C.I. Disperse Blue 3 C.I. 61 505
  - C.I. Disperse Blue 7 C.I. 62 500
  - C.I. Disperse Blue 26 C.I. 63 305
  - C.I. Disperse Blue 35
  - C.I. Disperse Blue 102
  - C.I. Disperse Blue 106
  - C.I. Disperse Blue 124
  - C.I. Disperse Orange 1 C.I. 11 080
  - C.I. Disperse Orange 3 C.I. 11 005
  - C.I. Disperse Orange 37
  - C.I. Disperse Orange 76
  - C.I. Disperse Red 1 C.I. 11 110
  - C.I. Disperse Red 11 C.I. 62 015
  - C.I. Disperse Red 17 C.I. 11 210
  - C.I. Disperse Yellow 1 C.I. 10 345
  - C.I. Disperse Yellow 9 C.I. 10 375
  - C.I. Disperse Yellow 39
  - C.I. Disperse Yellow 49
  - C.I. Disperse Blue 1 C.I. 64 500
  - C.I. Disperse Yellow 3 C.I. 11 855



- The use of biocides during the finishing of the fabric hand towel roll is prohibited.

### **6) Performance clauses:**

- The laundry is delivered in returnable packaging. Ideally, the first layer of the towel roll should be used as wrapping, thus doing away with the need for separate packaging materials.
- PVC and other chlorinated plastics must not be used for packaging of the clean laundry or the labels hereon
- The worn-out hand towel rolls have to be recycled.

### ***References***

[Information of the public authority that used these clauses in a procurement case]

