



## Printing and supply of printed matter

Procurement Agency of the Federal Ministry of the Interior, Germany

- Framework contract for the Bundesanstalt Technisches Hilfswerk (Federal Institute "Technical Support Service")
- Energy conservation of 11.2 t CO<sub>2</sub>e and 2.4 TOE for paper used in the years 2014-2015



### Predecessor invitation to tender

- 50.6 t CO<sub>2</sub>e
- 10.0 TOE

### GPP 2020 invitation to tender

- 39.4 t CO<sub>2</sub>e
- 7.5 TOE

### Results

- 11.2 t CO<sub>2</sub>e
- 2.4 t TOE

## Contract advertised for tender

- Invitation to tender for a framework contract on printing and supply of printed matter for the Bundesanstalt Technisches Hilfswerk (THW) (Federal Institute "Technical Support Service").  
The tender has been issued by the Procurement Agency of the Federal Ministry of the Interior, Germany.
- The tendered service encompasses platemaking, printing, processing, preparing for dispatch and shipping/delivery of the various printed matter of the THW.
- Contract volume: approx. €300,000 (excl. VAT)
- The tender is issued in conformity with the National Sustainability Strategy and implements the German government's national action plan for sustainability, which has as its goal the implementation of sustainability and CO<sub>2</sub> reduction in practice.

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## Procedure for procurement

The call for tenders was an open tender procedure:

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<b>Technical specifications for the paper used:</b> <ul style="list-style-type: none"> <li>- 100 % recovered paper</li> <li>- Criteria of at least one eco-label such as Blue Angel or similar</li> </ul>	<b>Award criteria</b> The most cost-effective offer

### Contractual requirements

- Orders from the framework contract shall be made as individual orders

## Development of criteria

In selection of paper it was important to use an entirely recycled paper with a relatively high degree of whiteness and high quality.

## Results

	CO <sub>2</sub> emissions (in t CO <sub>2</sub> e)	Energy consumption (in TOE)
GPP 2020 Invitation to tender	39.4 t	7.5 TOE
Predecessor invitation to tender	50.6 t	10.0 TOE
<b>Total energy conservation</b>	<b>11.2 t</b>	<b>2.4 TOE</b>

### Calculation basis

- Paper consumption in the period 2014-2015 has been taken into account (the contract runs to the beginning of 2016). It comes to 42.22 t of paper.
- For energy consumption and CO<sub>2</sub>e emissions in the manufacture of paper, the results of the IFEU study "Ecological comparison of office papers in view of the fibrous raw material" (2006) have been used:  
Energy consumption in manufacture of paper: Virgin paper from the North: 0.2115 TOE/t paper; virgin paper from the South: 0.2608 TOE/t paper (average value was used: 0.23615 TOE/t paper); recycled paper: 0.1784 TOE/t paper.  
CO<sub>2</sub>e emissions in manufacture of paper: Virgin paper from the North: 1.116 t CO<sub>2</sub>e/t paper; virgin paper from the South: 1.280 t CO<sub>2</sub>e/t paper (average value was used: 1.198 t CO<sub>2</sub>e/t paper); recycled paper: 0.933 t CO<sub>2</sub>e/t paper):



## Other environmentally-relevant results

The winning tenderer offered a recycled paper which impacted the environment less in its manufacture, such as by reducing the use of chlorine compounds. The paper has been awarded the Nordic Swan, the Blue Angel, the EU Ecolabel and the FSC certificate thanks to its characteristics.

The manufacture of recycled paper requires significantly less water than the manufacture of virgin paper. According to the study "Ecological comparison of office papers in view of the fibrous raw material" (2006), 31.8 t of water is saved per ton of recycled paper. The paper pulp used within the framework contract thus conserves 1,341 t of process water.

## Findings obtained

The paper used is coated wood-free paper, which is especially suited to printed matter with text as well as with images. Its manufacture is based on a comprehensive recycling concept which ensures minimal environmental burden.

## Contact

Beschaffungsamt des Bundesministeriums des Innern (Procurement office of the ministry of the interior)

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## About GPP 2020



The GPP 2020 project has the goal of promoting climate-friendly procurement practices in all of Europe in order to reach the goals set by the EU for the year 2020: reduction of greenhouse gases by 20%, an increase in the percentage of renewable energy sources of 20%, and an increase in energy efficiency of 20%.

GPP 2020 will issue more than 100 climate-friendly invitations to tender in order to effect an immediate reduction in CO<sub>2</sub> emissions. Training and networked events on environmentally-friendly public procurement in the energy sector will also be offered. – [www.gpp2020.eu/de](http://www.gpp2020.eu/de)

## About PRIMES



In six European countries, Denmark, Sweden, Latvia, Croatia, France and Italy, the Project seeks to provide support for municipalities, which are often lacking capacity and know-how, in overcoming hurdles in GPP processes. – [www.primes-eu.net](http://www.primes-eu.net)



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