



Italian Purchasing Bodies: activities for the uptake and implementation of low carbon procurement

Summary report

Introduction

Consip Spa and the Metropolitan City of Rome Capital are the two Italian Purchasing Bodies involved in the GPP2020 project as partners.

Their main goal in the project was to implement 6 low carbon tenders each.

Consip is a public stock company owned by Italy's Ministry of the Economy and Finance that operates on behalf of the State, within the framework of the strategic guidelines and tasks given by its sole shareholder.

Metropolitan City of Rome Capital represents 121 councils and governs one of the largest and the most populated metropolitan area in Italy.

Overview of published tenders and CO₂ and energy savings

| N | OBJECT OF TENDER | PURCHASING AUTHORITY | DATE OF TENDER | CO₂ SAVINGS | TOE SAVINGS |
|----------|---|--|-----------------------|------------------------------------|----------------------|
| 1 | <i>Supply of electricity from renewable sources</i> | <i>Metropolitan City of Rome Capital</i> | <i>March 2016</i> | <i>16.3 t CO₂e/year</i> | <i>3.6 toe/year</i> |
| 2 | <i>Supply of hygiene products</i> | <i>Metropolitan City of Rome Capital</i> | <i>May 2015</i> | <i>2.3 t CO₂e/year</i> | <i>0.5 toe/year</i> |
| 3 | <i>Low environmental impact printed materials</i> | <i>Metropolitan City of Rome Capital</i> | <i>January 2016</i> | <i>0.4 t CO₂e/year</i> | <i>0.1 toe/year</i> |
| 4 | <i>Supply of solar protection mechanisms</i> | <i>Metropolitan City of Rome Capital</i> | <i>April 2016</i> | <i>10.8 t CO₂e/year</i> | <i>55.5 toe/year</i> |

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|---------------------|---|-----------------------------------|----------------|--|--------------------------|
| 5 | Supply of recycled cartridges for printers, PC, copiers and fax | Metropolitan City of Rome Capital | April 2015 | 0.35 t CO ₂ e/year | 0.1 toe/year |
| 6 | Low environmental impact road maintenance | Metropolitan City of Rome Capital | April 2016 | 7.0 t CO ₂ e/year | 13.9 toe/year |
| 7 | Joint Procurement of Energy performance Contracting in the health sector | Consip SpA | August 2014 | 82,298.8 t CO ₂ e/year | 23,244.8 toe/year |
| 8 | Joint Procurement of energy efficient Desktop-PCs and Displays | Consip SpA | October 2015 | 1,032.4 t CO ₂ e/year | 219.2 toe/year |
| 9 | Joint Procurement of Low-Carbon Business Travel Services | Consip SpA | September 2015 | 4.809 t CO ₂ e/year | 1,065 toe/year |
| 10 | Joint Procurement of resource-efficient print and copy management solutions | Consip SpA | May 2015 | 4,417 t CO ₂ e/year | 592.2 toe/year |
| 11 | Joint leasing of green vehicles | Consip SpA | August 2014 | 19,303 t CO ₂ e/year | 5,616 toe/year |
| 12 | Joint procurement of energy efficient notebook computers in Italy | Consip SpA | April 2015 | 356.6 t CO ₂ e/year | 47.8 toe/year |
| TOTAL VALUES | | | | 112,253.95 t CO₂e/year | 30,858.7 toe/year |

Low carbon procurement procedures

GPP2020 project is aimed at diffusing competences and good practices into Italian and European purchasing bodies, to demonstrate how it is possible to directly contribute, through public tenders, to the objectives of CO₂ emissions reduction and improvement of energy efficiency of Europe 2020.

Focus on Consip activities

As anticipated above, Consip published within the project 6 tenders with environmental criteria. The total value of the tenders was equal to 112,216.8 t CO₂e/year and 30,785 toe/year.

1) Joint Procurement of Energy performance Contracting in the health sector

Highlights:

- Energy savings of 25% compared to the current contract
- Savings account for over 200,000 tons CO₂ e

Contract tendered: the tender concerns an Energy Performance Contract for the Health sector including management, operation and maintenance of facilities and building structures, supply of energy for heating and electricity, energy improvement and energy efficiency of building/facility systems. It follows the directions of the Italian National Action Plan for the implementation of Green Public Procurement (PAN GPP) and is compliant with the provision of “Minumum Environmental Criteria” for heating/cooling systems in buildings.

Duration and expenditure: the duration of services varies from 5 to 7 years and the Framework contract has a volume of € 2,050,000,000.

Procurement approach: the contract is divided into 16 geographical lots and bids were assessed using a MEAT approach, with importance given to the efficient use of resources.

2) Joint Procurement of energy efficient Desktop-PCs and Displays

Highlights:

- Procured Computers (Desktop-PCs and Displays) ensure an efficiency performance that is 60% higher than the computers produced according to the Energy Star Standard
- Total lifetime electricity cost savings of 2,300,000 for the whole contract
- Specifications and award criteria disclose clearly the parameters on energy efficiency and reduced noise emissions

Contract tendered: the tender concerns the supply of Computers (Desktop-PCs and external Displays) with reduced environmental impact and related services. It follows the directions of the Italian National Action Plan for the implementation of Green Public Procurement (PAN GPP) and is compliant with the provision of “Minumum Environmental Criteria” for IT Products.

Duration and expenditure: the duration of maintenance service varies from 36 to 60 month and the Framework contract has a volume of € 68.6 million.

Procurement approach: the tendering process followed the open procedure and was divided in 3 lots (lot 1: 27,000 Compact Desktop-PCs Type A and Displays; lot

2: 23,000 Compact Desktop-PCs Type B and Displays; lot 3: 40,000 High Performance Desktop-PCs and Displays).

3) Joint Procurement of Low-Carbon Business Travel Services

Highlights:

- Mobility service (savings of CO₂, costs and travel downtimes), including CO₂ reporting, environmentally friendly hotel solutions and video conference services
- Using common environmental criteria developed by the Italian Ministry of environment for vehicles and catering

Contract tendered: the tender concerns a Framework Agreement on business travel services. It follows the directions of the Italian National Action Plan for the implementation of Green Public Procurement (PAN GPP) and is compliant with the provision of “Minimum Environmental Criteria” for Transport and for Food and Catering Services.

Duration and expenditure: the contract lasts 2 years and the Framework Agreement has a volume of € 36,267,000.

Procurement approach: tender awarded to the most economically advantageous offer, supporting sustainable choices.

4) Joint Procurement of resource-efficient print and copy management solutions

Highlights:

- Innovative service approach
- Compliance with the last version of energy Star and applying an innovative system
- Advanced GPP criteria that include training course, compliance with hazardous substances and resource efficiency criteria
- Showing the case that mainstreaming low-carbon procurement saves twenty thousands of tons of CO₂e

Contract tendered: the tender concerns a Framework Agreement for the supply of a service for the management of printing and copying activities. It follows the directions of the Italian National Action Plan for the implementation of Green Public Procurement (PAN GPP) and is compliant with the provision of “Minimum Environmental Criteria” for IT products.

Duration and expenditure: the contract duration varies according to the specific needs of the public authorities (from 36 month to 60 month) and the Framework Agreement has a volume of € 54,322,400.

Procurement approach: tender awarded to the most economically advantageous offer.

5) Joint leasing of green vehicles

Highlights:

- €80 million framework contract for vehicle leasing
- Emissions as low as 79 g CO₂/km for passenger cars and 134 g CO₂/km for heavy duty vehicles
- Car sharing service and automated usage monitoring for fleet optimisation

Contract tendered: the tender concerns a Framework contract for the leasing of green vehicles (cars, commercial vehicles, trucks). It is part of a joint policy between Consip, the Ministry of Economy and Finance and the Ministry of Environment, aimed at reducing environmental impacts for vehicles.

Duration and expenditure: the contract lasts 1 year with the possibility of 1 more year extension, and the Framework Agreement has a volume of € 80 million.

Procurement approach: tendering followed the open procedure, and was divided into five lots (lot 1: 2550 city cars, lot 2: 580 average cars; lot 3: 520 commercial vehicles; lot 4: 240 Bi-fuel vehicles – LPG/petrol; lot 5: 185 Bi-fuel vehicles – methane gas/petrol).

6) Joint Procurement of energy efficient notebook computers in Italy

Highlights:

- Procured laptops 60% better energy efficiency performance than Energy Star Standard
- Total lifetime electricity cost savings, referring to the market, of € 500.000 for the contract
- Absence of mercury content for background lighting of LCD screen
- Specifications and award criteria related to battery efficiency, weight of notebook and sound emissions

Contract tendered: the tender concerns a Framework contract for the supply of Notebooks with reduced environmental impact and related services (equipment; delivery and installation; call center and maintenance services). It is part of a joint policy between Consip, the Ministry of Economy and Finance and the Ministry of Environment, and follows national and EU requirements aimed at reducing environmental impacts for office equipment.

Duration and expenditure: the contract lasts 9 month with the possibility of 6 month extension, and the Framework Agreement has a volume of € 16.5 million.

Procurement approach: tendering followed the open procedure, and was divided into two lots (lot 1: 13.000 standard notebooks; lot 2: 9.000 ultra-flat notebooks).

Lessons learned

The Consip tenders have shown that:

- the compliance with Minimum Environmental Criteria and with the Italian National Action Plan for the implementation of Green Public Procurement (PAN GPP) is possible and does not represent any obstacle for the awarding of tenders;
- in the next tenders, it will be necessary to strengthen criteria on energy consumption, on requirements for assessing dangerous substances and on social aspects;
- the contracts led to many direct and indirect strategic, organizational, economic and environmental benefits.

Focus on Rome activities

As anticipated above, Rome published within the project 6 tenders with environmental criteria. The total value of the tenders was equal to 37.15 t CO₂e/year and 73.7 toe/year.

1) Supply of electricity from renewable sources

Highlights:

- 100% of electricity from renewable energy sources for fish incubators
- The percentage of green electricity with guarantees of origin is 100%

Contract tendered: the tender concerns the supply of electricity from renewable sources for fish incubators utilities of the Metropolitan City of Rome Capital, and it foresees the possibility to obtain the certification of origin of renewable energy.

Duration and expenditure: the duration of supply service lasts 1 year with the possibility of 6 month extension.

Procurement approach: The purchase of electricity by the Metropolitan Area of Rome was made by adhering to a Consip “Convention”, in which the possibility to obtain the certification of origin of renewable energy by paying an additional sum was foreseen. Amount supplied: 42,000 kWh.

2) Supply of hygiene products

Highlights:

- Adoption of Minimum Environmental Criteria developed by the Ministry of Environment for the award of cleaning services and for the supply of hygiene products
- CO₂ and energy savings through purchase of 100% eco-labelled tissue paper

Contract tendered: the tender concerns the supply of tissue paper. It is compliant with the provision of “Minimum Environmental Criteria” for the “Supply of cleaning and hygiene products”.

Duration and expenditure: The purchase has been realized through the “Electronic Market of the Public Administration” –MEPA and has a volume of € 13,500.

Procurement approach: The tendering process followed the restricted procedure, and it has been processed in a single lot for the supply of 5.1 t of tissue paper.

3) Low environmental impact printed materials

Highlights:

- Tender for printed materials produced from recycled paper (chlorine free) or from virgin fiber with the "chain of custody" certification

Contract tendered: the tender concerns the purchasing of printed materials (books, folders, business cards, etc). It is compliant with the provision of “Minimum Environmental Criteria” for the “Copy paper”.

Duration and expenditure: The purchase has been realized through the “Electronic Market of the Public Administration” –MEPA and has a volume of € 21,000.

Procurement approach: The tendering process followed the restricted procedure, and it has been processed in a single lot for the supply of molded products equivalent to 0.54 t of paper.

4) Supply of solar protection mechanisms

Highlights:

- Supply of indoor roller curtains for the new office of Metropolitan City of Rome Capital
- Less energy consumption for the summer cooling
- Less CO₂ emissions

Contract tendered: the tender concerns the supply of indoor roller curtains. It is compliant with the provision of “Minimum Environmental Criteria” for the “Offices furniture” and follows the directions of the “Building Constructions” ones.

Duration and expenditure: The purchase has been realized through an agreement with CONSIP within the category “Furniture and complementary furnishings” (lot 6) and has a volume of € 634,779 (excluded VAT).

Procurement approach: The tendering process was realized through the On line Purchases system of Public Administrations for the supply of 7,089 m² of roller curtains.

5) Supply of recycled cartridges for printers, PC, copiers and fax

Highlights:

- Supply of recycled (refilled) cartridges for printers, PC, copiers and fax;
- Adoption of minimum environmental criteria developed by the Italian Ministry of Environment for the purchase of recycled cartridges

Contract tendered: the tender concerns the supply of recycled (refilled) cartridges for printers, PC, copiers and fax machines for the offices of the Metropolitan City of Rome Capital. It follows the directions of the Italian National Action Plan for the implementation of Green Public Procurement (PAN GPP) and is compliant with the provision of “Minimum Environmental Criteria” for the purchase of recycled cartridges.

Duration and expenditure: The purchase has been realized through the “Electronic Market of the Public Administration” –MEPA and has a volume of € 7,000.

Procurement approach: The tendering process was realized dividing the supply in 2 lots: purchase of recycled cartridges for printers, PC, copiers and fax machines (€ 3,000), and purchase of compatible consumables for printers, PC, copiers and fax machines (€ 4,000); the purchase included 39 Black/White recycled cartridges and 9 colored recycled cartridges.

6) Low environmental impact road maintenance

Highlights:

- Use of recycled bituminous mix, cold laid
- Less CO2 emissions thanks to the cold and not hot laying
- Less CO2 emissions thanks to the use of recycled bituminous mix

Contract tendered: the tender concerns the works for the road maintenance of the Municipality of Fiumicino with recycled content asphalt, cold laid.

Duration and expenditure: The purchase has been realized through a simplified restricted procedure in accordance with art. 123 of D.Lgs 163/2006 through the Central Purchasing Body and has a volume of € 1,341,300.

Procurement approach: The tender was a “measured work tender” divided in 3 lots and the award criterion was the lowest price: Lot A € 446,900; Lot B € 447,100; Lot C € 447,300.

Lessons learned

The Metropolitan City of Rome Capital tenders have shown that:

- the cost increase for the use of green energy is very limited and can be quickly amortized;
- the market can promptly answer the demand of the supplied goods and services with specific environmental product requirements;

- the compliance with Minimum Environmental Criteria and with the Italian National Action Plan for the implementation of Green Public Procurement (PAN GPP) is possible and does not represent any obstacle for the awarding of tenders;
- more tenders can be awarded with environmental criteria, and more environmental criteria can be used.

Other activities

1) Networking activities

Consip and Metropolitan City of Rome Capital took a very active part in the networking activities promoted by the national support structure in Rome (1st October 2014) and in Padova (14th May 2015).

The main objective of the networking activities was the exchange of good practices between partners and the other involved bodies. The networking activities were organized in working tables aimed at discussing about the product categories mainly responsible for the reduction of the CO₂ emissions and the energetic consumption. The working tables were followed by co-working activities.

During the networking activities, Consip acted as moderator of the working tables, explaining the LCC tools and its importance in the contribution of the spreading of GPP; Metropolitan City of Rome Capital presented its SEAP as good practice for the diffusion of low carbon procurement

2) Synergies

Consip also ensured synergies between GPP2020 and other activities at national and EU level, such as the development and implementation of the National Action Plan on GPP and other EU funded projects (BuySmart, Green ProcA).

3) Preparatory activities for tenders

The Metropolitan City of Rome Capital has undergone through several administrative changes during the project lifetime, thus the implementation of foreseen activities had to be adjusted and made coherent with the new organization and competences.

For this reason, the PB also focused on the development of activities in preparation of tenders that could not be published before the end of the project but that are key for the achievement of future carbon and energy savings.

Specifically, the Metropolitan City of Rome Capital has:

- contributed to the training course for the purchasing responsables of Region Lazio;

- realized a market analysis for the identification of construction materials, building components and low environmental impact plants, in order to define a new price list available to the Metropolitan City of Rome Capital and to its Municipalities;
- implemented a GPP monitoring system, by making compulsory the use of Minimum Environmental Criteria into the Executive Decisions, by dematerialising and computerizing the whole process.



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