

ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title: Supply of equipment for solid waste source separation schemes in 4 regions

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Publication reference: EuropeAid/140442/IH/SUP/RS

Columns 1-2 should be completed by the contracting authority

Columns 3-4 should be completed by the tenderer

Column 5 is reserved for the evaluation committee

Annex III - the contractor's technical offer

Lot 1: Supply of wheeled containers and wheel bins

- a) **1.1 m3 capacity** plastic (HDPE) wheeled containers (blue coloured) for collection of co-mingled dry recyclables, 1,788 pcs.
- b) **1.1 m3 capacity** plastic (HDPE) wheeled container (yellow coloured) for separately collected glass, 1,317 pcs.
- c) **240 l capacity** plastic (HDPE) wheel bins (blue coloured) for collection of co-mingled dry recyclables, 87,183 pcs.

Project description

The purpose of this contract is purchase of wheeled containers and wheel bins for the Public Utility Companies (PUCs), in order to enable local waste operators – PUCs, to organize systematic collection and transport of dry municipal solid waste fraction – recyclables, from households to the waste transfer stations or directly to secondary separation line at the Regional Waste Management Centres (RWMCs).

Department for Contracting and Financing of EU Funded Programmes (CFCU) of the Ministry of Finance of the Republic of Serbia is the Contracting Authority responsible for this project. The beneficiary of this Contract (Beneficiary) is the Ministry of Environmental Protection.

1) General Provisions

The containers and bins to be supplied must conform to the Detailed Technical Specifications given below.

The Tenderer must ensure that the containers and bins comply with the stipulated requirements of any relevant legislation pertaining in Serbia. Containers and bins shall be suitable for operation in all climatic conditions in the territory of Serbia.

Each container and bin must have marking in accordance the Communication and Visibility in EU-financed external actions requirements (<https://ec.europa.eu/europeaid/work/visibility/en>) and a serial number. Further visibility instructions saying 'No hot ashes' in Serbian language and/or up to 8 words or symbols of instruction about what can be placed in the bins may be required. The necessary designs and wording will be provided to the Contractor and will need to be approved before production.

2) Service Provisions

2.1 Performance

The Tenderer shall provide a copy of published data concerning performance tests on the models offered.

Verification operations and warranty conditions

Installation: The Contractor will be responsible for installation, configuration and start-up of the supplies delivered in accordance with the directions provided by the Beneficiary.

The Beneficiary reserves the right to done the testing after installation of equipment.

Testing: Items shall be tested during the takeover event, where all the required specifications and features shall be accounted for, and full functionality of the items shall be presented.

Training: No specific training is foreseen for the items stated in this Lot, except for the basic introduction to the items.

Warranty for this Lot is 12 months, starting from the date of issuance of Provisional Acceptance Certificate

Commercial warranty: Commercial warranty for this Lot is minimum 24 months, starting from the date of issuance of Final Acceptance Certificate .

3) Technical Specifications

3.1 Capacity

The HDPE containers shall have a capacity of 1.1 m3.

The HDPE wheel bins shall have a capacity of 240 litre.

3.2 Detailed Specification

The required Technical Specifications have been provided by the Contracting Authority. The Tenderer's Technical Offer should meet or exceed the requirement stated.

The tenderers are requested to complete the template on the next pages:

- Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
- Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words 'compliant' or 'yes' are not sufficient)
- Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

It is necessary to emphasize the following:

- The manufacturer is obliged to transport, unload and completely assemble all 1.1 m³ containers and hand them over for use at the address defined for each local government. This is very important because the installation is complex and the user can perform some incorrect operations during installation, damages can occur, which later leads to problems when it comes to accepting complaints,
- The Supplier is obliged to transport and unload the 240 litre bins at the address defined for each local government (no installation is required because the process is much simpler than with containers).
- It is necessary to submit detailed photos from all sides of the container and also a catalogue for the 1100 RL blue container, 1100 RL yellow container, 240 lt blue bin, in order to determine compliance with the technical specification. The bid of the bidder who does not submit the required sample photos and catalogue at this stage will be rejected as unacceptable.
- Provisional requirements for printing/stamping information on recycling on HDPE bins and containers, serial number on each bin

Detailed Technical Specifications

Item 1: Standard Plastic Wheeled Containers of 1.1 m³ Capacity
for collection of co-mingled 'dry' recyclables

[Quantity 1,788 pcs.]

1 Component	2 Specifications Required	3 Specifications Offered	4 Notes, Remarks, Reference to Supporting Documentation	5 Evaluation Committee's Notes
1. Container Body				
a. General	1) Manufactured in accordance with EN 840 standard			
	2) Dimensions in accordance with EN 840 standard			
	3) Minimum load 440 kg			
	4) Made from high density polyethylene (HDPE). High quality, durable UV stabilised, resistant to high and low temperature material has to be used			
	5) Capacity 1.1 m ³			
	6) Equipped with lifting trunnions reinforced with metal pole, minimum 450 mm leaning on upper lateral container edge			
	7) Weight of empty container is minimum 55 kg			
	8) Water drainage outlet with plug in the floor to allow for simple, hygienic cleaning of the interior of the container			
	9) 4 heavy duty wheels, 200 mm diameter, of which 2 with wheel brake system			
	10) Additional reinforcement on all walls in form of ribs on their entire length			
	11) Reinforced handles are integral part of body and are not assembled later on			

	12) Additional reinforcement on receiving edge in the form of honey comb			
	13) QR code printed by permanent printing technology – with possibility that end user can update it according their needs			
	14) Color – BLUE			
2. Lid				
a. General	1) Curved - round reinforced with structure ribs with one (1) recycling insert for paper – hood			
	2) 2 handles on round lid			
3. Lifting and emptying				
a. General	1) Strengthening ribs and honey comb structure are for more rigidity and stability, to allow the container to be picked up by lifting systems with locking bars			
	2) Dimensions of robust lifting trunnions at the sides for a speedy emptying process using all common lifting systems			

Detailed Technical Specifications

Item 2: Standard Plastic Wheeled Containers of 1.1 m³ Capacity
for separately collected glass

[Quantity 1,317 pcs.]

Column 1 Component	Column 2 Minimum Requirements	Column 3 Specifications Offered	Column 4 Notes, Remarks, Reference to Supporting Documentation	Column 5 Evaluation Committee's Notes
1. Container Body				
a. General	1) Manufactured in accordance with EN 840 standard 2) Dimensions in accordance with EN 840 standard 3) Minimum load 440 kg			
	4) Made from high density polyethylene (HDPE). High quality, durable UV stabilized, resistant to high and low temperature material has to be used			
	5) Capacity 1.1 m ³			
	6) Equipped with lifting trunnions reinforced with metal pole, minimum 450 mm leaning on upper lateral container edge			
	7) Weight of empty container is minimum 55 kg			
	8) Water drainage outlet with plug in the floor to allow for simple, hygienic cleaning of the interior of the container			
	9) 4 heavy duty wheels, 200 mm diameter, of which two with wheel brake system 10) Additional reinforcement on all walls in form of ribs on their entire length 11) Reinforced handles are integral part of body and are not assembled later on			

	12) Additional reinforcement on receiving edge in the form of honey comb 13) QR code printed by permanent printing technology – with possibility that end user can update it according their needs			
	14) Colour – YELLOW			
2. Lid				
a. General	1) Curved - round reinforced with structure ribs			
	2) Two round recycling inserts - holes 200 mm +-5% for glass protected by rubber			
	3) 2 handles on round lid			
3. Lifting and emptying				
a. General	1) Strengthening ribs and honey comb structure are for more rigidity and stability, to allow the container to be picked up by lifting systems with locking bars			
	2) Dimensions of robust lifting trunnions at the sides for a speedy emptying process using all common lifting systems			

Detailed Technical Specifications

Item 3: Wheeled Bins of 240-litre Capacity
for collection of co-mingled dry recyclables

[Quantity: 87,183 pcs.]

Column 1 Item	Column 2 Minimum Requirements	Column 3 Specifications Offered	Column 4 Notes, Remarks, Reference to Supporting Documentation	Column 5 Evaluation Committee's Notes
a)	Wheeled bins shall be made from injection-moulded high-density polyethylene (HDPE) manufactured in accordance with EN 840 standard			
b)	Material of wheeled bins shall be HDPE UV-stabilized			
c)	Wheeled bins shall have a continuous handle fitted to the body at the rear of the lid.			
d)	Wheeled bins shall be fitted with 2 external wheels 200 mm with quiet-running solid rubber tires			
e)	Wheels shall be fitted to a corrosion-resistant steel axle min 460 mm			
f)	Wheeled bins shall be suitable for all standard lifting equipment installed on refuse collection vehicles (RCV)			
g)	Metal components shall be resistant to corrosion			
h)	Additional reinforcement on receiving edge in form of honey comb			
i)	Dimensions of bin in accordance with EN 840 standard			
j)	Additional handle on front wall is an integral part of body and is not assembled later on			
k)	Wheeled bins shall be capable of taking a load of minimum 96 kg			
l)	Wheeled bins shall have a minimum weight of 12,5 kg			
m)	Wheeled bins shall have a capacity 240-litres			
n)	Wheeled bins shall be standard Blue Color			

After sales services for Lot no. 1

Specifications Required		Specifications Offered	Notes, remarks, ref to documentation	Evaluation Committee's notes YES/NO
Commercial warranty	2 years (after the end of 2 year standard warranty) in accordance with the conditions laid down in Article 32 of the General Conditions and Article 33 of the Special Conditions (i.e. the container bodies shall be reinforced as honey comb structure in all walls) and for the wheels in normal use.			

Annex II + III: Technical Specifications + Technical Offer - part II – Place of delivery/Acceptance

Item	Nb of items	PUC responsible for provisional and final acceptance	Place of acceptance
Lot 1 - Supply of wheeled containers and wheel bins			
1) Standard Plastic Wheeled Containers of 1.1 m3 Capacity (blue coloured)	392	1) JKP Komunalac, Čačak	Nikole Tesle 42, Čačak
	34	2) JKP Ivanjica, Ivanjica	Milinka Kušića 61, Ivanjica
	11	3) JKP Elan Kosjerić	Nikole Tesle 1, Kosjerić
	55	4) JKP Komunalac Lučani	Jugoslovenske armije 5, Lučani
	85	5) JKP Naš dom Požega	Zelena pijaca 7, Požega
	570	6) JKP Bioktoš, Užice	Heroja Luna 2, Užice
	40	7) JKP 12 Septembar Bajina Bašta	Svetosavska 6, Bajina Bašta
	182	8) JKP Stari grad, Šabac	Dalmatinska bb, Šabac
	133	9) JKP Komunalije, Sremska Mitrovica	Bul. Konstantina Velikog bb, Sremska Mitrovica
	9	10) JKP Bogatić	Mike Vitomirovića 4, Bogatić
	42	11) JKP Standard Šid	Ulica Svetog Save 80, Šid
	92	12) JP Komunalac Pirot	Vojvode Mišića 50, Pirot
	7	13) JKP Komnis Bela Palanka	Srpskih vladara 51, Bela Palanka
	35	14) JP Komunalac Dimitrovgrad	Balkanska 30, Dimitrovgrad
	8	15) JKP Komunalac Babušnica	7. juli 20, Babušnica
	93	16) JKP Higijena Pančevo	Cara Lazara 57, Pančevo
2) Standard Plastic Wheeled Containers of 1.1 m3 Capacity (yellow coloured)	248	1) JKP Komunalac, Čačak	Nikole Tesle 42, Čačak
	40	2) JKP Zlatibor, Čajetina	Aleksandra Karadorđevića 65, Čajetina
	50	3) JKP Ivanjica, Ivanjica	Milinka Kušića 61, Ivanjica
	27	4) JKP Elan Kosjerić	Nikole Tesle 1, Kosjerić
	30	5) JKP Komunalac Lučani	Jugoslovenske armije 5, Lučani
	48	6) JKP Naš dom Požega	Zelena pijaca 7, Požega
	124	7) JKP Bioktoš, Užice	Heroja Luna 2, Užice
	51	8) JKP 12 Septembar Bajina Bašta	Svetosavska 6, Bajina Bašta

Item	Nb of items	PUC responsible for provisional and final acceptance	Place of acceptance
	191	9) JKP Stari grad, Šabac	Dalmatinska bb, Šabac
	112	10) JKP Komunalije, Sremska Mitrovica	Bul. Konstantina Velikog bb, Sremska Mitrovica
	33	11) JKP Bogatić	Mike Vitomirovića 4, Bogatić
	52	12) JKP Standard Šid	Ulica Svetog Save 80, Šid
	136	13) JP Komunalac Pirot	Vojvode Mišića 50, Pirot
	35	14) JKP Komnis Bela Palanka	Srpskih vladara 51, Bela Palanka
	27	15) JP Komunalac Dimitrovgrad	Balkanska 30, Dimitrovgrad
	20	16) JKP Komunalac Babušnica	7. juli 20, Babušnica
	93	17) JKP Higijena Pančevo	Cara Lazara 57, Pančevo
3) Wheeled Bins of 240-litre Capacity	15.164	1) JKP Komunalac, Čačak	Nikole Tesle 42, Čačak
	5.936	2) JKP Zlatibor, Čajetina	Aleksandra Karadorđevića 65, Čajetina
	3.015	3) JKP Ivanjica, Ivanjica	Milinka Kušića 61, Ivanjica
	1.200	4) JKP Elan Kosjerić	Nikole Tesle 1, Kosjerić
	1.310	5) JKP Komunalac Lučani	Jugoslovenske armije 5, Lučani
	4.504	6) JKP Naš dom Požega	Zelena pijaca 7, Požega
	5.350	7) JKP Bioktoš, Užice	Heroja Luna 2, Užice
	3.800	8) JKP 12 Septembar Bajina Bašta	Svetosavska 6, Bajina Bašta
	12.623	9) JKP Stari grad, Šabac	Dalmatinska bb, Šabac
	7.571	10) JKP Komunalije, Sremska Mitrovica	Bul. Konstantina Velikog bb, Sremska Mitrovica
	1.849	11) JKP Bogatić	Mike Vitomirovića 4, Bogatić
	3.601	12) JKP Standard Šid	Ulica Svetog Save 80, Šid
	10.715	13) JP Komunalac Pirot	Vojvode Mišića 50, Pirot
	2.650	14) JKP Komnis Bela Palanka	Srpskih vladara 51, Bela Palanka
	1.470	15) JP Komunalac Dimitrovgrad	Balkanska 30, Dimitrovgrad
	1.348	16) JKP Komunalac Babušnica	7. juli 20, Babušnica
	5.077	17) JKP Higijena Pančevo	Cara Lazara 57, Pančevo