

## TECHNICAL SPECIFICATIONS

### **26.1 Collection and Transport of Urban Waste and Markets.**

#### **26.1.1 Working volumes**

The contracting authority has foreseen in advance all the waste collection points for the deployment of 532 separate containers to 287 PGM (waste collection points) with a volume of 1.6 m<sup>3</sup> within the contracted area.

#### **26.1.2 Technical Specifications and Methodology**

The collection, removal and transport of urban solid waste consists of:

- a. Emptying the containers with the appropriate technological vehicle, collecting and removing waste around it at a distance of 10 m from each container, cleaning and wiping with a hand-worn surface of 30 m<sup>2</sup> around each collection point, and resettlement of sheltered containers in the designated place. Containers should be positioned straight, vertically and aesthetically to the urban environment and with closed covers. Afterwards, the technological machines carry out the transport of waste in their storage area.
- b. Dissimilation should be made every day after the emptying of each container, lime powder with 5% chlorine content, within each container or using the disinfection system that each technological machine must have, using dissolved lime powder matter by 5% chlorine content.

#### **26.1.3 Container placement plan and work graphs**

- a. The contract authority has determined at the beginning of this contract the exact points of solid urban waste collection, and the number of containers for each point, throughout the contracted area where they are included
- b. the concessionaire is obliged to implement the initial plan of the required points and containers (attached to the technical specifications) as well as any changes thereto during the time of implementation of this contract. This plan may change at the time of contract implementation with the proposal of the service operator or the contracting authority for the needs for improving the service and its good organization, or as a result of changes that may occur in the infrastructure at any time after the request of one party and become applicable after the approval of the Contracting Authority.
- c. The works graphs for the realization of the area cleaning service are prepared by the concessionaire and are approved by the contracting authority before of starting service.

These graphics may change whenever it is considered necessary within a year. In the chart of works should be accurately determined:

1. Operation schedules at each container point.
2. Type, license plate and ingeneration (itinerary) of technological machines to perform the service.
3. Operating timetables and tools for support services.
4. The number of workers who will support any work operation.

d. Waste removal logs to be submitted for approval before starting the service must be prepared in such a way that all works are carried out within night hours (for the urban and semi urban areas) starting no earlier than 19.00, for the purpose at 7.00 am urban and semi urban areas should be completely clean, while in the rural area this service should be performed during the day.

Changes in operating hours and completion of service in the area will only be accepted due to the inability to perform the scheduled service as well as in the case of changing the hours for the trade routes, but always after being verified and officially approved by the Authority contractor, changes in the Workflow.

e. The Contracting Authority has the right to inspect at any time and at the end the waste collection sites to see the performance of the above mentioned services, to respect the required standards, rules and quality required by this contract and to impose prohibitions, penalties and penalties for failure to fulfill them.

f. If for objective reasons the planned placement of the number of containers and waste collection points is not achieved, the waste collection and transport service will be increased in function of the deposited quantity of waste but always without exceeding the contractual forecast .

#### **26.1.4 Rules to Implement**

a. In no case will be allowed overcrowded bins with non-transported wastes and garbage left in the area surrounding the containers. In all cases where blockages or obstacles are caused by external factors, the concessionaire must immediately notify and take measures for cleaning them no later than one hour from the service completion schedule, as set out in the chart. Otherwise, the responsibility of the service provider is set and penalties will be imposed.

b. the concessionaire is obliged to carry out the collection and transport of urban waste deposited in public facilities within the contracted area even if disposed of away from approved collection points. In cases where waste is repeatedly recalled, the concessionaire has the right to request the approval of container placement and inclusion in the worksheet.

c. the concessionaire should periodically inform the Contracting Authority of all the subcontracts for cleaning service with the third party, advertise the number of vehicles and additional workers for these services to guarantee the required quality of the services in the contract with the contracting authority.

d. the concessionaire must necessarily have to work every day (or night), at least the required number of machines, equipment.

e. the concessionaire must necessarily have to work at least the number of transport workers and drivers according to the number stated in the Tender Offer in order to guarantee the quality and timely delivery of the service.

f. In no case should the urban waste be removed from the containers in the main axes, before the wiping and cleaning of the road where they are located. Otherwise, the service operator must continue to empty the containers at no cost or use additional means to ensure that the containers are empty after the completion of all cleaning services.

g. If during transporting impurities from service machines, inside or outside the service area, they must be cleaned immediately. Unless, in addition to the costs the contractor has to meet for collecting and removing waste during transport, he will face the penalties provided for in this contract or other penalties in accordance with the laws and decisions in force on pollution caused.

i. The use of uniforms for workers who perform the cleaning service is strictly compulsory and in the case of dismissal fines are applied for failure to fulfill this obligation.

### **26.1.5 Means and equipment**

the concessionaire must make available for the fulfillment of contractual obligations (collection, transport, removal of waste) and all the above-mentioned Supplementary Services, these tools and equipment:

The necessary technological machinery for urban waste collection and transportation as well as support services required for the performance of the contract are listed below:

a. Technological Transporting Vehicle, with rear or side loader, with a carrying capacity of 10 to 12 tonnes, compaction ratio 1: 4 to 1: 6, year of the production not earlier than 2010, not less than 1 (one) **vehicles**;

b) Technological Transporting Vehicle, , with rear or side loader, with a carrying capacity not less than 7-9 tonnes, compaction ratio 1: 4 to 1: 6, year of production not earlier than 2010, not less than 2 ( two) **vehicles**;

c) Technological Transporting Vehicle with rear or side loader, with a carrying capacity not less than 2-5 tonnes, compaction ratio 1: 4 to 1: 6, year of production not earlier than 2010, not less than 2 (two) **vehicles**

d. Technological Transporting Vehicle with rear or side loader, with a carrying capacity of 6 tonnes, compaction ratio 1: 4 to 1: 6, year of production not earlier than 2010, not less than 1 (one) **vehicles**

e) Transporting vehicle for containers with a rear loading platform to enable loading and emptying of containers without damaging them, production year not earlier than 2010, not less than **1 (one) piece**;

f) Self-Emptying Vehicle, opened from above, with a lateral or rear opening side, equipped with a cover for collection and transportation of voluminous and construction wastes and maintenance of points during the day, etc; Production year not earlier than 2010. Not less than **3 (three) vehicles**;

g) Technological Vehicles for street sweeping, with a load capacity 4-6 m<sup>3</sup>, equipped with 2 lateral sweepers (left and right) and a central roller sweeper, dusts suction system (aspirator) and water spraying system during work, possibly with an external aspiration suction pipe, production year not earlier than 2010, not less than **2 (two) vehicle**;

h) Street washing machine, equipped with a pump for high-pressure street washing, with two or more rear mounted rotor cleaner, with a capacity not less than 10000 liters of water, production year not earlier than 2010 not less than **1 (one) vehicle**.



All technological machinery to be used for the implementation of this contract must be in accordance with the technical and specific data of the tools set out in the chapter "Technical Specification", integral part of the tender documents.

### **1. Other rules on tools and equipment:**

a. All the means that will be used by the concessionaire for the fulfillment of contractual obligations may be checked at any time by the contracting authority for the condition of readiness and their inventory.

b. All means that will be used must be identified by the Contracting Authority. They must be kept in a clean and orderly condition and be painted in the same color. A significant part of the replacement parts must be able to ensure the availability of the tools readiness.

c. Removal means should be washed and disinfected every day after work is completed.

d. All containers used for contract implementation must be kept clean, in good technical condition. In the event of damage, burns, container deformations, and damage to wheels and lids that lead to full technical, hygienic or aesthetic failure during the term of

the contract and the absence of containers, the concessionaire shall be responsible for the maintenance, maintenance and repair of containers for each case and for any cause. the concessionaire will repair or replace the containers within 15 days from the time the damage is ascertained and / or the Contracting Authority's notice of damage to the containers. In the event of a complete failure of the container to the service provider, penalties shall be applied.

e. the concessionaire must use his name for the common correspondence, telephone connection, signs and car plates and containers.

f. Obligations on all cars and containers should be written about environmental education, the Green Phone number of the Contracting Authority, in a format approved in advance by the Contracting Authority. Also in all means and containers dispensed in addition to the above-mentioned inscriptions, a clear explanation of the type of waste to be collected as well as the time when waste will be removed should be presented.

## **26.2 Washing and disinfection of containers**

### **26.2.1 Working volumes**

the concessionaire shall dispose of 532 container volumes of 1.6 m<sup>3</sup> / month or 18 containers / day on average, according to the charts approved by the contracting authority.

### **26.2.2 Methodology**

1. the concessionaire shall collect and transport the containers every night on his own car and carry out their full washing and disinfection there. Containers will leave compulsory after their full emptying.
2. In order to enable this service to be carried out, the concessionaire will have at his disposal a necessary number of spare containers to replace the removed containers for washing each night.
3. Containers for urban waste collection must be washed internally and externally with water, using brushes and washing solvents.
4. With disinfection service we understand the realization of the service for disinfection and derating of the entire outer and inner surface of the container.

### **26.2.3 Works Graphs**

1. The worksheets for the transport, washing and disinfection of containers shall be prepared by the concessionaire and approved by the Contracting Authority.
2. Work graphs should be rigorously applied by the concessionaire.

3. The contracting authority has the right to inspect at any time and at the end the waste collection sites to see the performance of the above mentioned services, to respect the required standards, rules and quality required and to impose penalties, fines and prohibitions for their non-fulfillment.

#### **26.2.4 Rules to Implement**

1. This service will be compulsory after the emptying and cleaning of the urban waste collection containers, markets etc.

#### **26.2. 5 Means and equipment**

1. Container transport conveyor platform from behind, to enable loading and unloading of containers without causing damage to the production year not later than 2010, not less than 1 (one) piece.

2. Desalination and flavoring materials for the disinfection of containers.

3. the concessionaire must have installed on his water tank and one for disinfectant and work tools (pump and water pistols) for pressure washing and disinfection of containers.

4. A significant amount of replacement parts should be kept ready to ensure timely and continuous contract completion.

#### **26.3 Reservation of waste disposal sites during the day and collection of construction waste and volumes.**

##### **26.3.1 Working volumes**

The contracting authority has foreseen in advance the waste collection points, 287 waste collection points. The daytime maintenance service and the construction and voluminous waste disposal will be carried out at all collection points as well as in all public and territorial areas of the contracted area.

##### **26.3.2 Working Methodology and Implementation Rules.**

The day-to-day maintenance service and construction and voluminous waste collection consists of:

- a. Maintenance and cleaning during the day of urban waste dumped and stored outside the containers, construction and volumes deposited in the perimeter area as well as voluminous urban waste that artificially overflows the containers and prevents other urban waste to be deposited through containers, so that all points and containers are kept clean throughout the day. There are no restrictions on

cleaning the surface around the container and the concessionaire is obliged to remove any urban waste throughout the area away from the container being thrown.

b. For the collection and loading of inert and voluminous waste, disposed of outside the containers, as well as in all public and territorial areas of the area, special garbage pickup wagons will be used to prevent spillage. c. According to the needs that may have any point, it may be necessary to clean several times a day of points and containers on which it is continually contaminated during the various hours of the day.

**d. After cleaning the containers, they return to their previous place of residence.**

f. The work graphs for the realization of this service are prepared by the concessionaire and are approved by the contracting authority. These graphics can change as many times as needed. In the chart of works should be accurately determined:

1. Operation schedules at each waste collection site.
2. Type, license plate and itinerary of technological machines to perform the service.
3. Operating timetables and tools for support services.
4. The number of workers who will support any work operation.

g. Work graphs should be rigorously applied by the concessionaire.

h. Graphs to be submitted for approval must be prepared in such a way that the works start from 10.00 to 18.00, so that all the containers and the places around them are completely clean.

i. The contracting authority has the right to inspect at any time and at the end the waste collection sites to see the performance of the aforementioned services, to respect the required standards, rules and quality required and to impose prohibitions, penalties and fines for their non-fulfillment.

### **26.3.3 Means and equipment.**

the concessionaire must make available for the provision of this service these tools and equipment: The necessary technological machinery for the collection and transportation of urban waste and construction waste, volumes and support services, required for the performance of the contract, are listed as follows:

- a) Technological Transporting Vehicle, with rear or side loader, with a carrying capacity of 10 to 12 tonnes, compaction ratio 1: 4 to 1: 6, year of the production not earlier than 2010, not less than 1 (one) **vehicles**;
- b) Technological Transporting Vehicle, , with rear or side loader, with a carrying capacity not less than 7-9 tonnes, compaction ratio 1: 4 to 1: 6, year of production not earlier than 2010, not less than 2 ( two) **vehicles**;

- c) c) Technological Transporting Vehicle with rear or side loader, with a carrying capacity not less than 2-5 tonnes, compaction ratio 1: 4 to 1: 6, year of production not earlier than 2010, not less than 2 ( two) **vehicles**
- d) d. Technological Transporting Vehicle with rear or side loader, with a carrying capacity of 6 tonnes, compaction ratio 1: 4 to 1: 6, year of production not earlier than 2010, not less than 1 (one) **vehicles**
- e) f) Self-Emptying Vehicle, opened from above, with a lateral or rear opening side, equipped with a cover for collection and transportation of voluminous and construction wastes and maintenance of points during the day, etc; Production year not earlier than 2010. Not less than **3 (three) vehicles;**
- f) 2. Tools such as shovels, brooms for all drivers and workers.
- g) 3. Any machinery for carrying out this service must be cleaned and washed at the beginning or end of the day roller coaster.

4. A list of vehicles for the carriage of inert and skeletal waste shall be submitted to the Contracting Authority prior to the commencement of the above activity.

5. A significant amount of replacement parts and a large number of containers should be kept ready to ensure timely and continuous completion of the contract.

6. Obligations on all vehicles must be written for environmental education messages, the Green Phone number of the Contracting Authority according to a format approved in advance.

## **26.4 Drawing the streets and sidewalks with wings.**

### **26.4.1 Working Volumes**

The CA (Contract Authority) has foreseen in advance the squares, roads, sidewalks and surfaces for the entire contracted area.

the concessionaire will wipe out wings and perform all other support services provided for in the methodology for all roads and sidewalks defined in the area to be contracted, on a total area of 104600 m<sup>2</sup> per day. These are foreseen in the list of roads and their volumes for the service of cleanings for the Tirana area 3, according to the map attached.

### **26.4.2 Technical Specifications and Methodology**

The wiping cleanings and sidewalks removal service consists of:

- a. Excavation of workers on all main roads, squares and secondary roads, of categories I, II, covering the entire pavement surface and a street surface area of m<sup>2</sup>.
- b. In places where it is impossible to pass the machine's side wings (such as under the car or when there are other obstacles), the concessionaire must clean up with workers.

c. Wiping and cleaning with cleaning workers of all segments occupied by parking, sidewalks, and secondary roads in which it is impossible to carry out cleaning by technologic means.

d. After cleanings with technological machinery, cleaning workers clean up any remaining garbage from the wiping process so that the roads are completely clean. Even this manual cleaning service is included in the deleting process as well as in the unit price.

e. the concessionaire should empty, clean the surrounding area and keep all road bins within the contracted area clean daily. For this there are workers and special machines. The emptying and cleaning service around them is done at night.

f. The wiping and cleaning processes are subject to all roads and sidewalks provided in the contracted area (asphalted, cobbled as well as the sidewalks of the city).

### **26.4.3 Work Plan and Work Graphs.**

a. Cleaning and wiping of the roads will be done during the night from 21:00 to 04:00.

b. For clearance of unattended roads, the Contracting Authority may change and approve the chart and service schedules, upon request of one party, to enable the performance of service quality.

Here you can also include the streets within the residential blocks or the secondary roads that have easy cleaning during the day due to the lack of parking.

c. The works graphs for the realization of the area cleaning service are prepared by the concessionaire and are approved by the contracting authority. These graphics may be affected by changes in the operating hours and completion of the service, whenever it is necessary, only due to the impossibility of performing or in the case of changing the parking of special road vehicles and special days; and always after these changes have been officially approved by the Contracting Authority.

d. In the chart of works should be accurately determined:

1. Operation times on each street and sidewalk.
2. Number of workers who will work on any operation.

e. Work graphs should be rigorously applied by the concessionaire.

f. The contracting authority has the right to inspect at any time and at the end the performance of the above-mentioned services, to respect the required standards, rules and quality required by this contract, and to impose penalties, fines and prohibitions for failure to perform them.

#### **26.4.4 Rules to Implement.**

- a. For any occasion, unauthorized roads or unadulterated waste will be allowed. In all cases where there are evidences of blockages or external factors which cannot be cleaned with the operations provided for in the methodology, the concessionaire must immediately notify and take measures for cleaning them no later than 2 hours from the time completion of the service, as defined in the graph. Otherwise, the responsibility is the service operator.
- b. the concessionaire must have in place an "Appointment Office" for complaints, which should be open on all days of the week from 7.00 to 20.00. Representatives of the concessionaire should be present all the time foreseen to receive the remarks of the citizens and the Contracting Authority and to resolve the problems presented within 2 hours of receipt of notice.
- c. the concessionaire must necessarily have at least days of work the number of workers and equipment according to the number stated in the bidding bid to guarantee the quality and timely delivery of the service.
- d. For special cases, the concessionaire is obliged to delete the roads more than once without any expenses.
- e. During the wiping cleaning process, it is forbidden to categorically throw waste into electricity, telephony, water supply, sewage, hydrants, atmospheric water wells, streams, green areas, natural or artificial water dwellings , etc. In case of finding such a phenomenon the concessionaire is obliged to cleanse it immediately. In the event of their repetition or non-compliance within 5 hours of receipt of the notice, in addition to the responsibility for carrying out the expenses faces the penalties under this contract and the laws and decisions in force for the pollution caused.
- f. It is categorically classified as dust buildup during wiping processes due to the pollution they cause.
- g. The use of uniforms for workers is strictly mandatory and fines will be imposed for their failure to comply.
- h. Cleaning workers should also receive special treatment in accordance with the hygienic rules in force due to the type of work they perform.

#### **26.4.5 Means and equipment**

the concessionaire must make available for the fulfillment of the contractual tasks of wiping the streets and sidewalks as well as all the above-mentioned Supplementary Services, these tools and equipment:

a. Every worker should be equipped with cleaning tools such as plastic wipes, pallets, wheelchairs, shovels, etc. to enable service quality performance.

b. Work equipment and tools are kept in a clean and good condition. Deletion workers should be equipped with brooms, squeegees, shovels, hand pallets and hand carts.

## **26.5 Decoration Cleanings of roads with technological machinery.**

### **26.5.1 Working Volumes**

The contracting authority has foreseen in advance the squares, roads and linear lengths for the entire contracted area.

the concessionaire will wipe off the technologic vacuum machinery for all roads and squares defined in the area to be contracted. in a linear length of 3237ml per day.

### **26.5.2 Technical Specifications and Methodology**

The road clearing service with machinery consists of:

a. The wiping and cleaning of technologic vacuum cleaners of all main roads, squares and roads, covering all the linear length free from parking. Then any residual left of the cleaning with technological means is cleansed by the wing cleaning wiping service workers.

b. In all linear lengths and free segments of parking, of roads, defined in the volume of service of cleaning with machinery. The write is necessarily done with a technological machine. Otherwise, the service performed will be considered invalid as performance.

### **26.5.3 Work Plan and Work Graphs**

a. Cleanings of the roads will be done during the night from 21:00 to 04:00.

b. The Cleaning process with the technological machinery will be carried out according to the graphs approved by the contracting authority, so that at 7:00 the area is completely clean.

c. The works graphs for the realization of the area cleaning service are prepared by the concessionaire and are approved by the contracting authority. These graphics may be affected by changes in the operating hours and completion of the service, whenever it is necessary, only due to the impossibility of performing or in the case of changing the

parking of special road vehicles and special days; and always after these changes have been officially approved by the Contracting Authority.

d. In the chart of works should be accurately determined:

1. Operation times on each street and sidewalk.
2. The type and itinerary of technological machines that will perform the service.

e. Work graphs should be rigorously applied by the concessionaire. The the concessionaire cannot be paid without the prior approval of the worksheet or when the schedule has expired.

f. The contracting authority has the right to inspect at any time and at the end the performance of the above-mentioned services, the respect of the required standards, the use of the technological machines, the rules and the quality required by this contract, and to impose penalties, fines and prohibitions on failure to fulfill them.

#### **26.5.4 Rules to Implement**

a. In any or no case shall be allowed unpaved roads or unadulterated waste in them. In all cases where there are evidences of blockages or external factors which cannot be cleared with the operations provided for in the methodology, the concessionaire must immediately notify and take measures for their cleaning no later than 3 hours from the time completion of the service, as defined in the graph. Otherwise, the concessionaire is responsible.

b. It will be considered void the cleaning and wiping of road with technologic machinery for road sweeping when the latter works during the working process at a speed of more than 6 km / h.

c. the concessionaire must necessarily have to work every day (or night), at least the required number of machinery, drivers, and street sweeping equipment.

d. For special cases, the service operator is obliged to clean the roads more than once without any expenses.

e. It is categorically prohibited the rise of dust during shedding cleanings processes due to the pollution they cause.

#### **26.5.5 Means and equipment**

the concessionaire must make available for the fulfillment of the contractual cleanings tasks with road machinery and all the above-mentioned Supplementary Services, these tools and equipment:

a. Technological Vehicles for street sweeping, with a load capacity 4-6 m<sup>3</sup>, equipped with 2 lateral sweepers (left and right) and a central roller sweeper, dusts suction system (aspirator) and water spraying system during work, possibly with an external aspiration suction pipe, production year not earlier than 2010, not less than **2 (two) vehicle**;

b. The technological machinery to be used for the cleaning service shall be in accordance with the technical and specific data of the vehicles on the basis of the tender and in accordance with this contract and also be in conformity with the technical norms of the European Community.

#### **Other tools and equipment rules:**

a. All vehicles that must be used by the concessionaire can be checked at any time by the Contracting Authority for their readiness status and inventory.

b. Any road sweeping machinery should be washed and cleaned at the beginning or end of the day and should be equipped with a water pump that serves for dust protection.

c. Obligations on all cars and containers must be written for environmental education, the green telephone number of the Contract Authority according to a format approved in advance.

d. Vehicles, equipment and work tools should be kept in a clean and good condition and be painted with the same color. A considerable amount of replacement parts should be kept ready to ensure the timely and continuous fulfillment of this contract.

e. A list of wipers will be submitted to the Contracts Authority prior to the beginning of the wiping operation.

### **26.8 Load of roads with a technological machine**

#### **26.8.1 Working Volumes**

The contracting authority has foreseen in advance the squares, roads and surfaces that will be pressurized for the whole contracted area for both the first service of washing at night and for the second washing service during the day.

1. the concessionaire shall perform pressure-washing of road with a technological machine as a service once a day during the night, provided for in the methodology for all roads and squares laid down in the area to be contracted, on a total area of 115556 m<sup>2</sup> per day over the 305 days of the contractual period. These are provided in the list of roads and their volumes for the washing service with machinery for Tirana 3 area.

### **26.8.3 Technical Specifications and Methodology**

The pressure washing service, with technological machinery consists of:

1. Washing with technological washing machines as a service once a day on all main roads, squares and secondary roads provided, so that washing machines cover all their full surfaces within the projected time.
2. Pressure washing with technological washing machinery as a second day service of all main roads, squares and secondary roads provided for this service, so that washing machines cover all their full surfaces within the service anticipated time.
3. During the first washing service (at night), the operating speed of washing machines during the washing process (water drainage) should range from 8 to 10 km / h and during the second washing service from 15 to 20 km / hours.

### **26.8.4 Work Plan and Work Graphs**

1. Washing the streets, as a service once a day, will be done daily, always after the cleaning of the streets, from 24.00 to 07.00.
2. The works graphs for the realization of road washing services are prepared by the concessionaire and are approved by the Contracting Authority. These graphics may be affected by changes in the operating hours and completion of the service, whenever necessary, only because of the impossibility of performance and always after these changes have been formally approved by the Contracting Authority.
3. In the chart of works must be accurately determined:
  1. Operation times on each road and pavement.
  2. The type and the itinerary of technological machines that will perform the service.
  3. The number of workers who will be working on any operation.

4. Work graphs should be rigorously applied by the concessionaire. the concessionaire cannot work and be paid without the prior approval of the worksheet or when the schedule has expired.

5. The contracting authority has the right to inspect at any time and at the conclusion of the performance of the above-mentioned services, to respect the required standards, rules and quality required by this contract and to impose penalties, fines and prohibitions for failure to comply.

### **26.8.5 Rules to Implement**

1. The contracting authority has the right to control the performance of the service and after its completion, to respect the standards in the washing water pressure and to check the amount of water used for washing the foreseen surface area from time to time. In cases where insufficient pressure is noted in the washing or small amount of water used, the washing service will be considered invalid.

2. the concessionaire must perform the pressure washing service by observing the standard of consumption of 0.6 liters of water per m<sup>2</sup> for washing the day.

3. Wash should be done with water with bacterial load no more than 200 E of colostrums per 100ml of water.

4. In all cases where it is not necessary to perform washing service with machinery due to weather conditions as rain or frost, the concessionaire will not perform this service and will therefore not be paid.

5. Representatives of the Contracting Authority shall record in the daily minutes and monthly situations, all the days and volumes concerned, which due to the rainfall has not performed the second wash service and may request the Service Operator to perform this service on the other days year or during the summer season when necessary, in accordance with the unit price estimates of works and road surfaces according to the list of roads attached to the contract, a formal request of the contracting authority, as well as payment will be made once it is completed.

6. The washing of roads in the conditions of atmospheric rainfall described above shall be considered invalid. It will only be exempt if the performance of this service is requested by the Contracting Authority for various reasons.

7. The Contracting Authority shall encourage the concessionaire to use other resources to provide water for the washing of roads, such as wells, etc.

8. The relevant lists of roads to be washed are attached to this contract.

9. All costs for water to be used for washing will be carried out by the concessionaire.

10. the concessionaire must necessarily have to work every day (or night), at least the required number of machinery and equipment for washing the roads all following:

#### 2.8.6 Machinery:

The Concessionaire shall provide for the provision of road pressure washing according to the terms of the contract, all works, materials, equipment and relevant permits.

The Concessionaire shall make available and use for the fulfillment of contractual road cleaning tasks these vehicles:

Street washing machine, equipped with a pump for high-pressure street washing, with two or more rear mounted rotor cleaner, with a capacity not less than 10000 liters of water, production year not earlier than 2010 not less than **1 (one) vehicle**.

It is imperative for all cars to write messages about environmental education, the green telephone number of the Contracting Authority according to an approved format advance.

#### **26.9 "Public Environmental Education"**

In the term "Public Education", the Concessionaire s publicity activity is meant to enhance and improve consumer knowledge regarding waste collection, processing and removal, waste at source, etc. The term of the contract.

The Concessionaire should establish a continuous contact with the community of the area which plays an important role not only in the well-being of the Concessionaire but also in minimizing the pollution of the environment. This contact can be realized both through the mass media and through the dissemination of information materials.

The Concessionaire should facilitate the dissemination of information materials at least once every six months (starting from the day of signing the contract). Information materials should be in the form, leaflets and brochures including information on the causes and causes of this pollution, its prevention and measures that can be taken to minimize pollution. Sensitive materials should be such as to invite the citizens of the capital to become an active part of an emancipated society and with an environmental education.

#### TECHNICAL DATA TO THE CONTAINER of 1600 LITERS:

Containers shall be used for urban waste collection and shall have the following characteristics: Container body (bathtub): Inner container body (zinc plated). Extra

reinforcement of the wheel base, attached to the container. Drainage system for pouring liquids collected from waste or during washing of container. Full capacity of 1700 liters. Side Grip for one Container Pulling. Containers should be painted with Orange (blue) lid. Thickness profile of plaster should be 1.5-4 mm.

### **Lid**

Metal.

With indirect reinforcement for extra resistance. Curved or straightened profile for rainwater flow. Central pedals opening system.

The lid should, among other things, be fitted with a handle on the front or the side for occasional opening of the lid. The lid colour is blue.

### **Treadle**

The pedal should be of 4 mm thick metal profile for extra resistance.

### **Wheels**

Wheels it will be with galvanized steel in center and rubber ring resistant to the contact area with the ground. Wheel diameter 200mm and 360° rotation. 4 reversible wheels (with revolving head), with solid plastic tire, with chassis, capacity of wheel holder to be 250kg;

**The boiler capture model should be :  
Attack Bologna / Din.**

### **Signage**

The operator must provide and fasten adhesives to the bins, with information on how to dispose of the waste, the bans, the eyepiece, the sticking sticker in front of the bins, the phosphorescent strips. The Bidder may also offer other models, but taking into consideration the approval of the Contracting Authority as well as always respecting the anticipated time to deliver the containers.

### **Compliance**

Under UNI EN 840 (UNI 10571).

### **Others.**

The boiler must be able to withstand, for all components, temperatures from -20°C to + 50°C;

The kettle should be structured to ensure a weight maintenance of up to 450kg without any permanent deformation

The minimum opening, half pedal should be 450mm, while at the emptying or washing stage should be at least 1000mm.

Technical data on waste differentiation.

- Automated STs combine screens, magnetic separators, air classifiers and carriers systems with more than one processing line. The choice of equipment will depend on the target capacity and the nature and composition of incoming wastes.
- ST operations begin with registration, inspection and placement of mixed or segregated waste in the receiving area. Unusual wastes leave directly without entering the recovery process; they go directly to the final destination or are given to the interested parties while the rest of the waste is placed in a carrier for their allocation according to the model of the ST selected
- For mixed wastes, biodegradable materials are separated and collected in another environment constructed according to the parameters for this purpose or loaded into trucks to be dispatched to the landfill within 24 hours.
- Recyclable or recoverable waste is weighed and stored temporarily in certain containers. When sufficient quantities are collected, these remains are pruned and sent to the designated location.
- Records of incoming and outgoing waste should be kept for monitoring purposes and for assessing the mass balance of the facility.
- The transfer station must be equipped with weight gauges to weigh the input and output quantities.
- Typical STs operate 8 hours a day Monday through Saturday.
- Processing capacity should be at least 100 tons per day.
- A transfer station should have the minimum tools and equipment as follows (non-exhaustive list):

Type of equipment	Purpose of use
Scales	Weighing incoming wastes and recyclable wastes
Holder	carrying large amounts of waste
Waste separation tables	Manual waste separation and processing
Fadrom	loading waste into their circulating system, or from desks, loading recyclable waste into transport trucks etc
transport line	Manual separation of waste and their processing
transport system	Mechanized moving of waste for processing
Trommel	Waste mixing processing Based on their size
Magnetic separation	separation of metal-based materials
Air-classifier	Residual waste paper, plastic bags based on size, shape and density
Packaging materials	of plastic bottles to make them maneuverable for transport
drop-hammer	it serves to compress the recyclable materials
crane	it serves to raise recycle materials

