

**UNITED STATES EMBASSY ABIDJAN, COTE D'IVOIRE  
STATEMENT OF WORK  
TO PURCHASE A SWEEPER FOR GARDENERS**

**DATE:** June 23, 2017  
**POST:** Abidjan, Cote d'Ivoire  
**PROJECT:** To purchase a sweeper for custodial staff at NEC  
**SERVICES:** Items purchasing

**I- PURPOSE**

Embassy Abidjan is requesting a ride-on sweeper to be used by Embassy custodial staff. The sweeper shall be delivered to GSO/warehouse in Marcory/Abidjan, Cote d'Ivoire.

**II- SCOPE OF SERVICES**

The sweeper should use gasoline fuel. It should be strong, reliable and noiseless, this machine should be capable of satisfying ground cleaning needs. It should be compact and easily maneuverable. This sweeper should offer maximum productivity, reliability with the passing of time, and ease of use.

**II.1- Direct collection system**

The collection should be carried out through the side brushes, which should send the debris toward the center of the machine, where the central cylindrical brush will deposit debris directly into the container. The dust should be sucked in using a high capacity suction fan. The machine must be equipped with an adequate dust filtering system.

**II.2- Brush System**

The machine should automatically and quickly adjust to differing ground surface conditions and to the type of waste to pick up, ensuring outstanding and continuous cleaning in all conditions.

**II.3- Dust control**

The sweeper should be equipped with an adequate filtering system, which can filter a minimum of 90% of PM2.5, freeing the environment where we live not only from dirt and dust, but also from dangerous particulates.

**II.4- Characteristics:**

- Direct load sweeping system for exceptional cleaning results, even under particularly arduous work conditions,
- Steel body suitable for heavy duty works
- Water cooled engines to ensure functioning in very hot climates and long periods of operation,
- Power steering for a more comfortable and pleasant drive,
- Compacting system inside container which increases collection capacity,
- Little maintenance required as all functions are hydraulically activated,
- Beltless turbine which does not require maintenance,
- No tools required to replace the central brush,

- Easy filter access for inspection and cleaning,
- Inspection flap on container,
- Aspiration on side brushes,
- Trolley for rapid battery replacement,
- The engine shall be a liquid cooled, Petrol / GPL fuel, naturally aspirated engine.

## **II.5- Data sheet**

### **Sweeping width**

- With central brush should have a minimum size: 850mm and the maximum size should be 950 mm,
- With side brushes should have a minimum size: 1100mm and the maximum size should be 1300mm,
- With third brush should have a minimum size: 1400mm and the maximum size should be 1600 mm

Waste container capacity should be between 300 and 400 liters,

- Dumping height should have a minimum size: 1300mm and the maximum size should be 1400mm,

Cleaning performance: minimum 13000 m<sup>2</sup>/h,

Maximum speed: minimum between 8 and 10 Km/h,

PM 10 filtration: 99%

Fuel: Petrol / GPL

Length: between 2000 and 2200 mm

Width: between 1300 and 1450 mm

Height: between 1350 and 1500 mm

## **III- RESPONSIBILITY OF THE VENDOR**

The vendor shall be responsible for the professional quality, technical accuracy, and the coordination of all the services furnished under this contract. The Contractor shall, without additional compensation, correct or revise any errors or deficiencies happened during the sweeper working in 5 five coming years.

Two (2) hard copy sets of owner's manuals specific to the sweeper and products supplied shall be located inside a sweeper. General operating instruction, preventive maintenance, wiring diagrams, schematics and parts exploded views specific to this model shall be included. A PDF version of the owner's manuals shall also be provided on a compact disc and shipped with the sweeper.

The vendor shall provide training on the first level of preventive maintenance on the sweeper to allow the users to operate the sweeper safely.

All workmanship shall be of good quality and performed in a skillful manner as determined by the **COR**.

### **End of Specification**