

Detailed Comments: Lot 2 - Electric road sweepers, GVM 3,500 kg Note: If there is a discrepancy between the documents, the PDF version will take precedence.			
	Criterion	Description	Tenderer's Comments (Required)
2.2.1	Vehicle Width	Overall vehicle width must not exceed 1200mm standard (all season) tyres	
2.2.2	Peformance	The motor must be capable of delivering 31 kW of drive power minimum.	
2.2.3	Performance	Travelling speed speed must be capable of at least 35 km/hr	
2.2.4	Performance	Battery must be LFP type	
2.2.5	Performance	Operating time must be at least 10 hours	
2.2.6	Performance	Battery Capacity must be at least 55 kWh	
2.2.7	Emissions	The vehicle must have PM Certification: 2.5 and 10	
2.2.8	Sweeping Width Compatibility	Sweeping system must be able to operate effectively within lanes ≤1200 mm	
2.2.9	Robustness & Reliability	The vehicle must have a corrosion resistant aluminium alloy hopper or equivalent material once equivalence can be justified with a hydraulic tipping ram that can discharge to the rear.	
2.2.10	Robustness & Reliability	An anti-collision protection system will be fitted to the brush units, allowing the brushes to release automatically upon impact to prevent damage to the sweeping mechanism.	

2.2.11	Maintenance	All greasing points must be marked and accessible to driver	
2.2.12	Maintenance	Hopper to be fitted with water connection for cleaning suction fan.	
2.2.13	Hopper Capacity	The Hopper must have a usable 1000 liters volume.	
2.2.14	Turning Circle / Manoeuvrability	The vehicle must have articulated steering / Four Wheel Drive or four wheel steering.	
2.2.15	Turning Circle / Manoeuvrability	Inner turning radius requirement must be ≤ 750 mm	
2.2.16	Turning Circle / Manoeuvrability	Outer turning radius (kerb to kerb) requirement of ≤ 2200 mm	
2.2.17	Cab Comfort & Ergonomics	A speed limited must be provided, allowing the maximum speed during sweeping operations.	
2.2.18	Cab Comfort & Ergonomics	The vehicle must have fully glazed, safety glass windscreen must be electrically insulated. The cab must be glazed all the way to the floor at the front and on both the nearside and offside doors, allowing the driver complete visibility of the brushes in operation.	
2.2.19	Cab Comfort & Ergonomics	The cab must contain an air suspension driver's seat. The seat provided in the cab must be a heavy duty type and be able to withstand the expected wear and tear on them over the life of the vehicle. The cab needs to be ROPS tested.	
2.2.20	Cab Comfort & Ergonomics	The controls for the sweeping operation must be ergonomically designed for driver comfort. The controls for tipping, suction fan, water switches, brushes, engine speed, brush balance, cruise control must be ergonomically positioned near to the driver.	
2.2.21	Brakes	The sweeper shall be fitted with high-performance dual-circuit service braking system acting on the front and rear axles, together with a fail-safe parking brake on the rear axle. Braking may be drum, disc, multi-disc or drive-motor-integrated, or equivalent, and shall be designed for intensive municipal urban sweeping, frequent stop-start operation, gradients and low-maintenance service life.	