

Detailed Comments: Lot 1 - Diesel motorised road sweepers, GVM 2,400 kg			
Note: If there is a discrepancy between the documents, the PDF version will take precedence.			
1.2.1	Criterion	Description	Tenderer's Comments (Required)
1.2.2	Vehicle Width	Overall vehicle width must not exceed 1100mm standard (all season) tyres	
1.2.3	Performance	The engine must be a direct injection diesel engine, capable of delivering at least 24 kW of power. It must be protected by a visual and audible signal of low water or coolant level.	
1.2.4	Performance	The vehicle must have a minimum speed of 24 km/hr	
1.2.5	Sweeping Width Compatibility	Sweeping system must: be able to operate effectively within lanes ≤1200 mm	
1.2.6	Fuel Type / Emissions	The vehicle must have a Stage V engine which is HVO compatible.	
1.2.7	Robustness & Reliability	The vehicle must have a corrosion-resistant hopper constructed from aluminium alloy or equivalent corrosion-resistant material (e.g., stainless steel), equipped with a hydraulic tipping ram capable of discharging to the rear	
1.2.8	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.	
1.2.9	Maintenance	All greasing points must be marked and accessible to driver	
1.2.10	Maintenance	The suction system must be designed to allow safe and effective inspection, cleaning and maintenance with minimal downtime.	

1.2.11	Maintenance	Hopper to be fitted with water connection for cleaning suction fan to minimise vehicle downtime.	
1.2.12	Hopper Capacity	The Hopper must have a usable 500 liters volume.	
1.2.13	Turning Radius / Manoeuvrability	The vehicle must have articulated steering and four wheel drive or four wheel steering.	
1.2.14	Turning Radius / Manoeuvrability	The inner turning radius requirement of ≤ 750 mm	
1.2.15	Turning Radius / Manoeuvrability	Maximum outer turning radius requirement of ≤ 2100 mm	
1.2.16	Cab Comfort & Ergonomics	The vehicle must be fitted with a cruise control to allow consistent low-speed sweeping.	
1.2.17	Cab Comfort & Ergonomics	A speed limited must be provided, allowing the maximum speed during sweeping operations.	
1.2.18	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.	
1.2.19	Cab Comfort & Ergonomics	The vehicle must have fully glazed, safety glass windscreen. 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.	
1.2.20	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.	