

Section 3a: Schedule of Requirements and Technical Specifications

The bidder shall warrant that the goods are new, unused, of the most recent year models and shall incorporate all recent improvements in design and materials

Name of the item	Compacter 8 m³	Offer	Deviation/Compliance
Purpose	For collecting solid wastes from household and stores		
Specification	<p>1. Engine</p> <ul style="list-style-type: none"> - Four stroke, 6 cylinder turbocharged water-cooled diesel engine with intercooler - Max power of at least 230 HP. - Gas Emission complying with the latest regulation in Palestine (EURO VI). <p>2. Gearbox</p> <ul style="list-style-type: none"> - Eight (8) forward full synchronized gears plus one low speed high torque crawler plus one (1) reverse - 4 x 2 drive <p>3. Brakes</p> <ul style="list-style-type: none"> - ABS anti-lock system - Engine exhaust shall assist the braking effort <p>4. Steering</p> <ul style="list-style-type: none"> - Front axle power steering - Left hand side drive - Steering lock - Steering column adjustable in height and rake <p>5. Gross Vehicle Weight</p> <ul style="list-style-type: none"> - at least: 15 tons 		

<p>Specification (cont.)</p>	<p>6. Cabin</p> <ul style="list-style-type: none"> - Single cab tilting forward hydraulically- driver+ 2 passengers - Driver fully adjustable seats, with inertia reel seat belts for the driver and the passengers - Air conditioning and heating system - Mirror control, manual, - Wind up-windows electrical type on both right and left - Fire extinguisher - Tachograph - Warning triangle - Reverse Warner - Standard tool kit with jack - Immobilizer <p>7. Super Structure</p> <ul style="list-style-type: none"> - Minimum garbage capacity: 8m³ - Rear loading type compactor, at least 3:1 of compaction rate. - Discharging by Horizontal ejection - Body materials: DIN St52 or equivalent (JIS SS490, ASTM A573Gr70 etc.), at least 4mm thickness of Body base, at least 3mm thickness of body side walls, body ceiling, hopper curtain and hopper side walls and at least 5 mm thickness of hopper base. - Material of Hopper sides, bottom and the tip of the shovel plate: HARDOX 400 or equivalent. - Manual and Automatic control of loading sequence (with levers) - Electrically controlled hydraulic mechanism for Operation - Suitable bin lifting system for 240liter and 1.1m³ of existing containers - Tailgate hopper capacity: 1.0m³ - Sufficient capacity of Leachate collection tank - 2 rotating beacon lamps (front and rear) 		
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<p>Specification (cont.)</p>	<p>8. Washing System</p> <ul style="list-style-type: none"> - Cleaning water tank at least 500 litre placed behind the cabin, made of stainless steel, thickness at least 3 mm. - High – pressure piston pump providing at least 30-40 l/min (at 150 bars) water to the high pressure gun. - High pressure hose reel and high – pressure gun (½" dia, 15 m long). - Washing system control at rear side of hopper <p>9. Tool Kit</p> <ul style="list-style-type: none"> - The Contractor shall provide a complete tool kit to be carried on the vehicle or equipment for the purpose of changing wheels / tires and emergency road side repairs. <p>10. Others</p> <ul style="list-style-type: none"> - The Stickers defined by the specification must be prepared by the contractor and be attached it on the body of the machine and major spare parts. - Full set of instructions and O&M manuals in English should be supplied with the equipment. 		
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Name of the item	Compacter 12 m ³	Offer	Deviation/Compliance
Purpose	For collecting solid wastes from household and stores		
Specification	<p>1. Engine</p> <ul style="list-style-type: none"> - Four stroke, 6 cylinder turbocharged water-cooled diesel engine with intercooler - Max power of at least 230HP. - Gas Emission complying with the latest regulation in Palestine (EURO VI). <p>2. Gearbox</p> <ul style="list-style-type: none"> - Eight (8) forward full synchronized gears plus one low speed high torque crawler plus one (1) reverse. - 4 x 2 drive - Suitable gear reduction ratio for driving in mountain area <p>3. Brakes</p> <ul style="list-style-type: none"> - ABS anti-lock system - Engine exhaust shall assist the braking effort. <p>4. Steering</p> <ul style="list-style-type: none"> - Front axle power steering - Left hand side drive - Steering lock - Steering column adjustable in height and rake <p>5. Gross Vehicle Weight</p> <ul style="list-style-type: none"> - at least 18tons 		

<p>Specification (cont.)</p>	<p>6 Cabin:</p> <ul style="list-style-type: none"> - Single cab tilting forward hydraulically-driver+ 2 passengers - Driver and co- driver fully adjustable seats with inertia reel seat belts - Air conditioning and heating system - Mirror control, manual - Wind up-windows electrical type on both right and left - Fire extinguisher - Tachograph - Warning triangle - Reverse Warner - Standard tool kit with jack - Immobilizer <p>7. Super Structure</p> <ul style="list-style-type: none"> - Minimum Garbage capacity: 13m³ (Actual, not 12m³) - Rear loading type compactor, at least 5:1 of compaction rate. - Discharging by Horizontal ejection - Body materials: DIN St52 or equivalent (JIS SS490, ASTM A573Gr70 etc.), at least 5mm thickness of Body base, at least 4mm thickness of body side walls, body ceiling, hopper curtain and hopper side walls and at least 8 mm thickness of hopper base. - Material of Hopper sides, bottom and the tip of the shovel plate: HARDOX 400 or equivalent. - Manual and Automatic control of loading sequence (with levers) - Electrically controlled hydraulic mechanism for Operation - Suitable bin lifting system for up to 4m³ of existing containers - Tailgate hopper capacity: 1.5m³ - Sufficient capacity of Leachate collection tank - 2 rotating beacon lamps (front and rear) 		
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<p>Specification (cont.)</p>	<p>8. Washing System :</p> <ul style="list-style-type: none"> - Cleaning water tank at least 500 litre placed behind the cabin, made of stainless steel, thickness at least 3 mm. - High pressure piston pump providing at least 30-40 l/min (at 150 bars) water to the high pressure gun. - High pressure hose reel and high – pressure gun (½" dia, 15 m long). - Washing system control at rear side of hopper. <p>9. Tool Kit</p> <ul style="list-style-type: none"> - The Supplier shall provide a complete tool kit to be carried on the vehicle or equipment for the purpose of changing wheels / tires and emergency road side repairs. <p>10. Others</p> <ul style="list-style-type: none"> - The stickers defined by the specification must be prepared by the Contractor and be attached on the machine and the major spare parts. - Full set of instructions and O&M manuals in English should be supplied with the equipment. 		
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Name of the item	Dump Truck 15m ³ for Waste	Offer	Deviation/Compliance
Purpose	For transferring collected solid waste		
Specification	<p>1. Engine</p> <ul style="list-style-type: none"> - Four strokes turbocharged water-cooled diesel engine with intercooler.) - Max power of at least 370HP - Gas Emission complying with the latest regulation in Palestine (EURO VI). <p>2. Gearbox</p> <ul style="list-style-type: none"> - Manual split range gear box 14 speeds. - 6 x 4 drive <p>3. Brakes</p> <ul style="list-style-type: none"> - ABS anti-lock system - Engine exhaust shall assist the braking effort <p>4. Steering</p> <ul style="list-style-type: none"> - Front Axle Power steering - Left hand side drive - Steering lock - Steering column adjustable in height and rake <p>5. Gross Vehicle Weight</p> <ul style="list-style-type: none"> - at least 26tons 		

<p>Specification (cont.)</p>	<p>6. Cabin</p> <ul style="list-style-type: none"> - Single cab tilting forward hydraulically- driver+ 2 passengers - Driver fully adjustable seats with inertia reel seat belts for the driver and passengers - Air conditioning and heating system - Mirror control, manual – external electrically heated - Wind up-windows electrical type - Fire extinguisher - Tachograph - Warning triangle - Reverse Warner - Standard tool kit with jack and 2 warning triangles - Immobilizer <p>7. Super Structure</p> <ul style="list-style-type: none"> - Dumper capacity: 15m³ - Dump body materials: DIN St52 or equivalent (JIS SS490, ASTM A573Gr70 etc.), at least 4mm thickness of side walls sheet and side gate sheet, at least 8mm thickness of floor sheet. - Tipper to be raised from the front to at least 40° by mono hydraulic cylinder with hydraulic pump and hydraulic oil tank. <p>8. Tool Kit</p> <ul style="list-style-type: none"> - The Contractor shall provide a complete tool kit to be carried on the vehicle or equipment for the purpose of changing wheels / tires and emergency 		
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Name of the item	Hook Lift 10 m ³	Offer	Deviation/Compliance
Purpose	Foe collecting vegetable garbage from vegetable market		
Specification	<p>1. Engine</p> <ul style="list-style-type: none"> - Four stroke, 6 cylinder turbocharged water-cooled diesel engine with intercooler - Max power of at least 230HP. - Gas Emission complying with the latest regulation in Palestine (EURO VI). <p>2. Gearbox</p> <ul style="list-style-type: none"> - Manual Eight (8) forward full synchronized gears plus one low speed high torque crawler plus one (1) reverse. - 4 x 2 drive <p>3. Brakes</p> <ul style="list-style-type: none"> - ABS anti-lock system - Engine exhaust shall assist the braking effort <p>4. Steering</p> <ul style="list-style-type: none"> - Front axle power steering - Left hand side drive - Steering lock - Steering column adjustable in height and rake. 		

	5. Gross Vehicle Weight - at least 15 tons.		
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<p>Specification (cont.)</p>	<p>6. Cabin:</p> <ul style="list-style-type: none"> - Single cab tilting forward hydraulically- driver+ 2 passengers - Driver and co- driver fully adjustable seats with inertia reel seat belts - External rear view mirrors according to EEC standards. - Air conditioning and heating system. - Manual Mirror control, externally electrically heated. - Electrical wind up-windows type. - Fire extinguisher - Tachograph - Warning triangle. - Reverse Warner - Central lock for doors - Standard tool kit with jack and two warning triangles. - Immobilizer. <p>7. Super Structure</p> <ul style="list-style-type: none"> - Hook-Lift designed for 12 ton lifting capability, in containers of up to 4,800 mm length. - Suitable to be loaded 8m³ and 10m³ container <p>8. Tool Kit</p> <ul style="list-style-type: none"> - The Contractor shall provide a complete tool kit to be carried on the vehicle or equipment for the purpose of changing wheels / tires and emergency road side repairs. <p>9. Manuals</p> <ul style="list-style-type: none"> - The stickers defined by the specification must be prepared by the Contractor and be attached on the machine and 		
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Name of the item	Backhoe Loader 1m3	Offer	Deviation/Compliance
Purpose	For separating collected solid waste from household		
Specification	<p>1. Engine</p> <ul style="list-style-type: none"> - Turbo-charged Diesel engine. - Net power at least 90 HP. - Fuel system: Direct injection - Gas Emission complying with the latest regulation in Palestine (EU Stage III B or Stage IV, depending on the production date of the engine) <p>2. Transmission</p> <ul style="list-style-type: none"> - Power Shift/shuttle Transmission with four fully synchronized speeds forwards and four reverse. - Four wheels drive <p>3. Brakes</p> <ul style="list-style-type: none"> - Fully enclosed-oil dick brakes, power assisted <p>4. Steering</p> <ul style="list-style-type: none"> - Fully enclosed-oil dick brakes - Power assisted - Left hand side drive - Steering lock - Steering column adjustable in height and rake - Tilt steering wheel 		

	<ul style="list-style-type: none">- Ball handle on steering wheel. <p>5. Gross Vehicle Weight</p> <ul style="list-style-type: none">- at least: 8 tons		
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<p>Specification (cont.)</p>	<p>6. Cabin</p> <ul style="list-style-type: none"> - Sound proof cab FOPS and ROPS - Air conditioned., Defroster., Hydrostatic heater - Interior light - Ignition switch - Front and rear wind screen wipers and washers - Seat with fabric or vinyl seat cover with arm rests - Speedometer - Rotating beacon - Left / right side doors with locks, 2 side external mirrors <p>7. Operation Specifications</p> <p>7.1 Loader</p> <ul style="list-style-type: none"> - Multi-purpose open bucket of at least 1m³ capacity with teeth, Lifting capacity at maximum height at least 3100kg. <p>7.2 Backhoe</p> <ul style="list-style-type: none"> - Bucket 180 litres at least- 0.6m width bucket. - Hydraulic breaker: suitable to backhoe loader, complete with all piping, connections and provided with two chisels. - Complete with hammer circuit and ride control. - Hydraulic hammer with an operating weight of 400 Kg. <p>8. Hydraulic System</p> <ul style="list-style-type: none"> - Close centre, load sensing, variable flow and flow sharing system. <p>9. Others</p> <ul style="list-style-type: none"> - The stickers defined by the specification must be prepared 		
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