PR9262040 - FM WATER BOWSER REPLACEMENT

YEAR OF MANUFACTURE 2020

20,000 Liter Capacity Potable Water Truck
Right Hand Drive truck
Drive 6x6
Emissions Euro 3 Diesel Emissions
Minimum peak power 410 HP / 306 Kw
Minimum peak Torque 1600 Nm
Gross vehicle weight 33 tonnes
Fuel Diesel
Medium cab with 3 seats
Manual gearbox, Gearshift, hydraulic
Air conditioning
Hydraulic cab tilting mechanism
Weight variant 33.0 t (7,5/13,0/13,0)
Main Fuel tank, 300 l, steel
Tank-cap lock

Brake system
Brake discs on front axle and rear axle
Anti-lock braking system (ABS)
Compressed-air dryer, heated
Cab exterior
Cab suspension for rough terrain
Roof hatch/vent
Access steps left and right, movable
Rearview, driver's side, heated
Side Mirrors, electrically adjustable

Wide-angle exterior mirror on front passenger side
Ramp/ kerb observation mirror on co-driver's side
Sun visor, exterior, transparent
Cab interior
Driver's comfort suspension seat
Fold-up seat, velour, co-driver
Additional 24V715A socket in cab, instrumental panel
Straight instrument panel support, short, hard
Power windows driver and co-driver
Instrument cluster with graphics-capable display

1 or 2 DIN radio, 2 speakers with AUX, CD, USB, Antenna + kit
Air conditioning system
Trailer socket 15-pole
Additional scopes
First aid kid
Hazard warning triangle
Warning lamp
Compressed-air gun, supplied loose
Tire inflating hose, 10 m.
Preferred Makes: Mercedes, Isuzu or Mitsubishi which have spare parts and service centers throughout Kenya

Water Tank Specifications
20.000 ltr. One compartment steel water tank with baffles for potable water,
Special inner lining for the transport of potable/drinking-water, according to EU Resolution AP (96)5
Self-priming pump, Pump capacity: approx. 1000 ltr./min at 1.5 bar, Rear mounted spray bar with two special fan-nozzles.
Superstructure
The "Low-Torsion body mounting system" for tank bodies is recommendable due to their strongness,
torsion-resistant design, for "Off-Road" operation under rough cross-country conditions.
The elastic connection between the truck chassis and the sub-frame to provide a torsion-absorbing function.
This arrangement to absorb any stresses passing from chassis to tank.
The sub-frame to be mounted to the truck frame in a way to ensure equal load distribution.
Otherwise mounted according to truck supplier's "Assembling Instruction".

Tank support
The tank itself to be supported in tank saddles which are bolted on the reinforced longitudinal frame members with heavy duty rubber mountings
in front.
Tank
Tank shape: Elliptical 20 000 ltr incl. 3% expansion
Tank compartments: One (1)
Manufactured of high-grade steel -S235JRG2-, electrically welded throughout with accurately finished welding seams. Thickness for shell and
heads min. 4 mm. Dished bulkheads on both sides and appropriate nos. of splash walls.
Level indicator for measure the water level at the rear of tank

Walkway
Open mesh walkway mounted at rear part of tank body below the manhole cover, with rear mounted access ladder.
One (1) collapsible handrail made of aluminum, fixed as safety barrier, according UVV regulation along the walkway, operation next to access
ladder
Dome armatures per compartment
Basic equipment and installations for each tank-compartment:
One (1) dome cover NW 500
One (1) ventilation valve NW 80
Discharge fittings
At the lowest point of the tank, one (1) discharge pipe DN 80 leads to the right hand side of the vehicle, ending with a 3" shut-off valve with 3"
Cam-lock coupling and dust cap for discharge
Pump
Rovatti Pompe S2A3 or equivalent
Capacity: up to120 m3/h
Head: up to 70 m
Power: up to 28,5 HP
Self-sucking pump installed at the vehicle's chassis, hydraulically driven by PTO of truck engine and can be operated pneumatically from the
drivers cabin. The suction pipe to be equipped with a suction filter. Suction and delivery connections are provided with hose coupling and cab.
Oil-cooler mounted with electric fan.
Spraybar rear
Rear mounted spray bar with two (2) special fan-nozzles, pressure working, electro pneumatically. Operation out of driver's cab.
Adjustable spraying width with pump from approx. 12 to 15 mtr.
Capacity: approx. 500 ltr/min each nozzle
Delivery options
- discharge by gravity via 3" Cam-lock
- discharge with pump, via 3" Cam-lock
- discharge with pump via rear spray-bar
- self filling with pump
- filling with external pump
- filling from top
Hose and hose-carrier
Two (2) hose tubes, one (1) on each side of the tank with two (2) hoses
Hose type: NW 80 with 3" Cam-lock coupling
Hose length: approx. as long as tank body
Standard accessories
Wheel chokes (provided by TRUCK supplier) mounted with brackets

One (1) spare wheel carrier with winch mounted on chassis (under chassis)
PVC mudguards with rubber mud-flaps
One (1) lockable tool box mounted on chassis
One (1) 50 liter water-tank made of stainless mounted on chassis frame
Acceptance test
Leakage testing of tank 0,35 bar
Functional test
Paintwork and finishing
All steel parts are sand-blasted and prime-coated.
Tank body painted in one RAL colour.
Special inner-lining for potable water
Substructure, etc. hot- galvanised not painted.
Inner-lining for potable/drinking water
Special inner lining for the transport of drinking-water, according. to EU Resolution AP (96)5
Documentation
One (1) spare part list
One (1) operating manual
All instruction plaques, lists, manuals and signs in English