

## VACUUM TRUCK SPECIFICATIONS

The material, design, fabrication, and supply of 5 cubic meter capacity Vacuum Truck Units shall conform to the manufacturer’s specification which are derived from engineering principles, industry experiences, and the aforementioned standards specification.

All materials shall be new, previously unused, and in first class condition. Steel materials of unidentified analysis may be used provided they are tested and properly certified by a qualified testing laboratory.

Bidders must state here either “Comply” or “Not Comply” against each of the specifications stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate.

A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause 3.1(a)(ii) and/or GCC Clause 2(a)(11).

### 5 CUBIC METER CAPACITY VACUUM TRUCK

Item	Specification	Statement of Compliance
<b>1</b>	<b>VACUUM TRUCK</b>	
	a. Minimum effective capacity of 5,000 liters (5 cubic meters)	
	b. Body and rear door material: 6mm thickness carbon steel plate	
	c. Provided with suction and discharge ports both with stainless ball valves and quick hose connector	
	d. Tank material: Carbon steel, steel, or any corrosion-resistant metal with rustproofed interiors (i.e. 2 coats of epoxy paint)	
	e. All pipes, fittings and valves shall be made of stainless steel including internal suction pipe	
<b>2</b>	<b>VACUUM PUMP</b>	
	a. Provided with 4-way valve operated for suction/discharge change over.	
	b. One-year warranty for parts and services	
	c. Maximum speed: 1300 rpm	

	d. Air flow (free ports): 5,300 l/min or 318 m3/hr	
	e. Air flow 60% vacuum rate: 4,500 l/min or 270 m3/hr	
	f. Maximum vacuum: 92%	
	g. Max operating relative pressure: 0.5 bar (1.5 abs)	
	h. Power required at 0.5 bar relative: 5.8 kW	
	i. Oil consumption: 90g/h or 50 drops/min	
	j. Oil tank capacity: 2.3 liters	
	k. Sound pressure level at 60% vacuum and 7m distance: 76 db (A)	
	l. Pump weight: 90 kgs	
<b>3</b>	<b>TRUCK SPECIFICATION</b>	
	a. Diesel powered, Euro 4 Compliant, PTO-ready	
	b. Minimum of 4 cylinders, four cycles, turbocharged and intercooled Direct Injection, with adequate horsepower for the gross vehicle weight rating	
	c. Minimum payload: 6,000 kgs	
	d. Size of unit is approximately to be (7.10m x 2.2m x 2.4 m), length, width and height respectively.	
	e. Power steering, Air conditioned, air over hydraulic brake system	
	f. Six tires	
	g. Safety belts	
	h. Side mirrors (Left and Right) with blind spot mirror (Right)	
<b>4</b>	<b>OTHER ITEMS</b>	
	a. Should have provisions for installation of a 200-liter capacity clean water tank	
	b. Should have provisions for hose and hose container	
	c. Spiral hose – at least 3 inches diameter and at least 200 feet length at 100 feet segment with cam-locks coupling	
	d. Provide 4 pcs securing rope for spiral hose when storing in hose bed	
	e. Should include basic tools: tire wrench and heavy duty jack	

Note: All the provided material specifications here are at the minimum. Modifications such as changes in specs or addition of equipment must be stated and justified in the bid documents.