

## Technical Specifications

### Fire fighting vehicle of 3000-4000 liters Capacity

Qty: 1 Unit

S.N.	CRITERIA	REQUIREMENT	OFFERED SPECIFICATION
1	General	The Fire fighting vehicle of capacity <b>3000-4000 liters water tender as per IS : 950</b> shall be designed and manufacture as per standard vs and sound engineering practice. All material used in fabrication / construction of the vehicle shall be new as per international standards.	
2	Engine	<b>Water cooled diesel Engine with inline fuel injection pump, developing rated Power output not less than 115 HP and Torque in the range 400 N-m</b> system having precisely control air fuel ratio for high efficiency in response to all loads and operating conditions. The Engine shall be fully equipped with all necessary items/ accessories and controlling devices for safe, smooth, efficient, economical operation and optimizing vehicle performance producing lesser amount of pollutive emissions.	
3	Water Tank	Water tank shall be of <b>3000 to 4000 liters capacity suitably mounted on the chassis after the cabin</b> so as allow full contents to flow to the pump. The tank shall be fabricated out of MS plated with bottom sheet not less than 5mm thickness and other sheet of minimum 4 mm thickness suitably epoxy coated from inside. The tank shall be of sound welded construction & shall be fitted with suitable baffle plates not less than 3mm thickness. An inspection hole of not less than 450mm size shall be provided on top and others necessary arrangement as per standards.	
	Pump	A Single stage Centrifugal type 'CE Marked' Pump capable of delivering <b>water not less than 2250LPM at discharge pressure of 7kg/cm<sup>2</sup></b> and suction lift of 5 mts. The suction inlet shall minimum 100mm round threaded type and minimum 2X63mm delivery outlets with GM valves having female instantaneous coupling. The pump shall be rear mounted for ensuring max. hydraulic efficiency when working from open water.	
5	Primer	The pump shall be fitted with reciprocating type. Prime shall be capable of lifting water from <b>7 meter at a rate not less than 30cm/sec.</b>	

*[Signature]*  
Mechanical Engineer