

## Technical Specification of Truck Mounted Dust Suppression Gun (With Sprinkler)

SI NO	Specification	Specification Name	Required Specification
1	Generic Parameters	Vehicle Emission Standards	BSVI
2		GVW	16Ton
3		Engine Power (HP)	120 or more
4		Type of Fuel	Diesel
5		Chassis Type	Chassis with Cabin
6		Mount Type	Truck Mounted
7		Capacity of water tank In Litters	9000
8		Material used for fabrication of water	Mild Steel IS2062 Grade A
9		Thickness of the water tank plate mm conforming to IS:6911	4 millimeter
10		PTO	200 (Kg-M)
11		Make of PTO	Branded
12		Driven System	Hydraulics Through Truck Chassis Prime Mover Engine.
13		Hydraulic Pump Type	Gear Type
14		Drive of High Speed Fan	Hydraulic Motor
15		High Speed Fan RPM	2200 TO 2800 (RPM)
16		High Speed Fan Diameter	700mm
17		Valve	1.5Inch
18		Sprinkler Tube Material	Stainless Steel 304 Grade (Jindal)
19		Sprinkler Tube Dia	25.4mm
20		Sprinkling Arrangement Tube Front Side	Inbuilt 6 Nozzle
21		Sprinkling Arrangement Left	Inbuilt 3 Nozzle
22		Sprinkling Arrangement Right	Inbuilt 3 Nozzle
23		Mist Spray nozzle specifications, if applicable	Hollow Cone2-3LPM@4-5bar
24		Sprinkler Operating	PLC Control
25		Arrangement of PLC	Driver Cabin
26		Dust Suppression Gun Material	Stainless Steel Grade 304
27		Blower Housing Material	Mild Steel IS 2062 Grade (A)
28		Blower Fan Material	Aluminum
29		Dust Suppression Gun Nozzle Arrangement	13 Nos.
30		Dust Suppression Gun Rotation	180 Degree
31		Dust Suppression Gun Tilting	60 Degree
32		Dust Suppression Gun Rotation & Tilting Control Arrangement	Driver Cabin
33		Dust Suppression Gun Mist Throw	25 to 35Mtr.
34		Mist Size	40 to 60 Micron
35		Material of Ladder	Mild Steel IS 2062
36		Dimension of Ladder	1220 X 300 X 2SMM



37		The tanker shall have the provision of one main delivery valve at bottom of tanker and one number out let at the back side tanker	Yes
38		Tank Water Inlet	500 mm
39		Tank Water Inlet	2
40		ISI marked ISMC channel used for fabrication of Chassis and frame mounting on chassis	Yes
41		Type of Tank	Fixed
42		Shape of Tank	Rectangular
43		Mounting Tank	Sub Frame Mount with Clamp/As per Manufacturer Design
44		Painted Color on the Tank as per AIS112	Customer Choice
45		Two coat of Red Oxide and one coat of black Paint	Yes
46		the tanker will be buffing with dull shine Inside and outside of tanker	Yes
47		Turn table ring made of 50x50x5mm thick MS angle with Male Female bush type of 8 mm thick with suitable fittings	Yes
48		Logo and Slogan writing as specified by buyer	Yes
49		High Pressure Pump water capacity 1PM	100LPM
50		Pump pressure	150bar
51		Un loader valve	1.5Inch
52		Spray Gun	Hand Trigger Gun
53		Hose Pipe Working Pressure	220 Bar
54		Sprinkler hose	Sprinkler hose 50 Meter of 3/8 Dia
55		Hose reel	Manual 50 Mtr
56		Water Filter Primary & Secondary	10 Micron
57		Warranty	2 Years
58		Control Panel	PLC Based on Driver Cabin