

Trailer mounted Suction machine										
S.No.	Technical Parameters	N or Ch	Value 1	Value 2	Value3	Value 4	Value 5	Whether Filter	Remarks	Unit
Certification										
1	Trailer confirming to IS 8213:2000 (latest) and AIS 112	En	Yes							
2	Conforming to IS:13496 for Suction Machine for cleaning Sewers, Manholes and ancillary structures provided on sewer line and closed storm water drains	En	Yes							
3	Necessary clearance from RTO to be obtain before supply of Trailer mounted Suction cum Jetting Machine	En	Yes							
4	Form 22 A - For compliance with pollution standards, safety standards of components and road worthiness as per CMVR Rules	En								
5	Availability of test reports for all critical components from the manufacturer or OEM of Jetting Pumps, vacuum pumps, power takeoff unit, Jetting Hose etc. shall be from any ILAC /NABL accredited / Central Govt. Lab. To be furnished to buyers on demand.	En	Yes							

6	Avaliability of Test report from approved Laboratory to prove conforming to specification as per AIS 112 for trailers to be furnished to buyer on demand	En	Yes							
Generic Parameters										
7	Type of Trailer mounted machines	En	Suction							
8	GVW of Trailer	M								Kg
9	Wheel base	M								mm
10	Payload capacity of trailer	M								Kg
11	Make and Model of Vacuum Pump	Text								
12	Make and Model of PTO	Text								
13	Make and Model of Hydraulic Motor	Text								
14	Make and Model of Hydraulic Pump	Text								
15	Make and Model of Suction Hose	Text								
16	Mount Type	En	Trailer mounted							
Constructional Parameters										
17	Capacity of split shaft PTO	N								Kgm
18	Overall Length	N								mm
19	Overall Width	N								mm
20	Equipment Length	N								mm
21	Equipment Height	N								mm

22	Equipment Rear Over Hang	N								mm
23	If Yes, Declare Equipment Rear Over Hang	N								mm
24	Derrick Arm Available	En	Yes	No						
25	Vacuum Pump - Rotary Vane / Sliding Vane	En	Yes							
26	Vacuum Pump Flow	N							TBD	cu m./hr
27	Vacuum Pump Power	N							TBD	hp @ rpm
28	Vacuum Relief Valve Size	N							TBD	
29	Vacuum Suction Depth (as per IS:13496 latest)	N	>=8							Metres
30	Suction Hose - Lightweight, heavy duty ,reinforced ,PVC along with quick connect coupling arrangement	En	Yes							
31	Suction Hose Internal Diameter (as per IS:13946 latest)	N								mm
32	Suction Hose Length	N	>=3							metres
33	Number of Suction Hose (Nos)	N	>=5							Nos
34	Safety Equipments	Text								
35	Silencer/ Filter(Micro Strainer)	En	Yes							
36	Exhaust Silencer and injection cooling air Inlet Silencer/ Filter	En	Yes							
37	Blower Outlet and Air- Exhaust Silencer	En	Yes							
38	Check valve	En	Yes							
39	Vacuum Limitation Valve	En	Yes							
40	Drain Off valve	En	Yes							
41	Total Tank Capacity (sludge tank+water tank)	M	2000-8000							litres

42	Water storage Tank Capacity	M	>=500								Litres
43	Sludge Storage Tank capacity	M	>=1000								Litres
44	Thickness of tank plate (It shall be designed at a safety factor of 4 times the operating pressure)as per IS 13496.	N									mm
45	Material of tank	En	Mild Steel (Grade-A) Confirming to IS 2062 latest								
46	Surface preparation and finish of tank's Exterior - sanded prior to spray painting and spray painted with two coats of superior quality anti corrosive primer and two coats of enamel metal paint	En	Yes								
47	Surface preparation and finish of Tank's Interior - clean water two coats anti corrosive primer & two coats of grey enamel paint & Sludge shall be with two coats of epoxy paint to resist corrosion	En	Yes								
48	Provision for locking and unlocking arrangement of rear gate of tank, to be operated hydraulically for quick tipping and cleaning	En	Yes								
49	Hose Reel Drive operated by hydraulic motor	En	Yes								

50	Dished Head	En	Yes	No						
51	Tank Rear Door Opening by hydraulic system	En	Yes							
52	Reinforcement rings in pipes	En	Yes							
53	Hydraulic Pump Type	En	Gear Type							
54	Water Level Indicator Type (with safety coverage)	Text								
55	Water Level Indicator Nos	N	2							
56	Thickness of Cover for Engine, Pump and Hose Reel compartment	M	>=3							
57	Material of Cover for Engine, Pump and Hose Reel compartment	En	Galvanised IronSheet	MS Sheet						
58	Full bore Quick Acting Valves in the sewage path	En	Yes							
59	Air Pumps to safeguard the pump from overloading	En	Yes							
60	Make and Model of Air Pump	text								
61	Sludge Trap between the Air Pump and the Tank	Text	Yes							
62	Float cut out valve to seal the pump suction line	Text	Yes							
63	Lubricating system for reducing friction loss	Text	Yes							
64	Three sewer cleaning nozzles with varying rearward angles	Text	Yes							
65	One nozzle extension for easy fixing of the hose and the nozzle	Text	Yes							
66	Two stop tank strainer elements	Text	Yes							

67	Two sets of operation and service manuals and spare parts lists	Text	Yes							
68	Hose guide	Text	Yes							
69	Counter	Text	Yes							
Performance										
70	Warranty Time	N	min 24						Must declare	Months
71	Warranty Distance	N							Must declare	km
72	No. of Free Service (with consumable)	N	6						Must declare	Nos.