

Trailer mounted Jetting 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:11387 for high pressure jetting machine for sewer cleaning.	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	Jetting							
8	GVW of Trailer	M								Kg
9	Wheel base	M								mm
10	Payload capacity of trailer	M								Kg
11	Make and Model of Jetting Pump	Text								
12	Make and Model of Jetting Hose	Text								
13	Make and Model of PTO	Text								
14	Make and Model of Hydraulic Motor	Text								
15	Make and Model of Hydraulic Pump	Text								
16	Make and Model of Suction Hose	Text								
17	Make and Model of Jetting Nose	Text								
18	Mount Type	En	Trailer mounted							
Constructional Parameters										
19	Capacity of split shaft PTO	N								Kgm
20	Overall Length	N								mm
21	Overall Width	N								mm
22	Equipment Length	N								mm
23	Equipment Height	N								mm
24	Equipment Rear Over Hang	N								mm

25	If Yes, Declare Equipment Rear Over Hang	N									mm
26	Derrick Arm Available	En	Yes	No							
27	Safety Equipments	Text									
28	Drain Off valve	En	Yes								
29	High Pressure Jetting Pump With pressure regulating Arrangement	En	Yes								
30	Jetting Pump - Triplex plunger reciprocating pump	En	Yes								
31	Working Pressure Range of Jetting Pump	N	140 - 200								Bar
32	Water Flow for Pump of Jetting Machine (LPM)	N	>=220								LPM
33	Pressure Relief Valve Size	N									
34	Jetting hose inner Diameter (Capable of withstanding one point five times the maximum pressure generated by the pump)	N								TBD	mm
35	Jetting Hose Length	N	60	80	100	120	140				meteres
36	Number of Nozzles for removing Blockage (Conical Head)	En	1								
37	Number of Nozzles for Flushing Sewer lines(Round Head)	En	1								
38	Number of balanced Nozzles for dry silt	En	1								

39	Water storage Tank Capacity	M	>=1000								Litres
40	Maximum working pressure of Jetting Hose	M	>=160								bar
41	Minimum Burst pressure of Jetting Hose	M	>=430								bar
42	Thickness of tank plate (It shall be designed at a safety factor of 4 times the operating pressure)as per IS	N									mm
43	Material of tank	En	Mild Steel (Grade-A) Confirming to IS 2062 latest								
44	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								
45	Provision for locking and unlocking arrangement of rear gate of tank, to be operated hydraulically for quick tipping and cleaning	En	Yes								
46	Hose Reel Drive operated by hydraulic motor	En	Yes								
47	Dished Head	En	Yes	No							
48	Tank Rear Door Opening by hydraulic system	En	Yes								
49	Reinforcement rings in pipes	En	Yes								
50	Hydraulic Pump Type	En	Gear Type								

51	Water Level Indicator Type (with safety coverage)	Text								
52	Water Level Indicator Nos	N	2							
53	Thickness of Cover for Engine, Pump and Hose Reel compartment as per IS :11387	M								
54	Material of Cover for Engine, Pump and Hose Reel compartment	En	Galvanised IronSheet	MS Sheet						
55	All gauges, switches, levers, etc, required for operation of the unit thali be grouped together on a control panel located adjacent to the hose reel for easy and convenient control of the operations in cleaning of a sewer		Yes							
56	Engine ignition switch, oil pressure gauge, temperature gauge, throttle and glow plug button		Yes							
57	Sight glasses to show the level in the water tank, and a low level warning light		Yes							
58	Water system pressure gauge		Yes							
59	Water flow control valve		Yes							
60	Combination control lever to control the speed and direction of rotation of the hose reel		Yes							

61	Low water level safety switch		Yes							
62	Low oil pressure safety switch		Yes							
63	Three sewer cleaning nozzles with varying rearward angles	Text	Yes							
64	One nozzle extension for easy fixing of the hose and the nozzle	Text	Yes							
65	Two stop tank strainer elements	Text	Yes							
66	Two sets of operation and service manuals and spare parts lists	Text	Yes							
67	Hose guide	Text	Yes							
68	Counter	Text	Yes							
69	Four reels of hose pipe, each of 100m length		Yes							
70	Set of Spares		Yes							
	Performance									
71	Warranty Time	N	min 24						Must declare	Months
72	Warranty Distance	N							Must declare	km
73	No. of Free Service (with consumable)	N	6						Must declare	Nos.