Farming and Fishing and Forestry and Wildlife Machinery and Accessories UNCPSC : 21												Revised DRAFT
Agricultural and forestry and landscape machinery and equipment UNCPSC : 2110												
Dispersing and spraying appliances for agriculture UNCPSC : 21101800												
Fog or mist generators UNCPSC : 21101805												
S.No.	Parameters	CH/ N	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8	unit	validation
Generic												
1	Working Principle	Ch	Based on a jet of finely atomised water carried by a stream of air generated by a fan.									M
2	Uses of Mist Generator	Ch	Urban development zone construction land, demolition site, station storage coal yard, coal washing plant, coking plant, iron ore plant, port and other blowing sand control. The main function is spray dust suppression, and the function of sprinkler and road flushing can effectively inhibit the production of dust.									M
3	Hydraulic Pressure to obtain the required Throw Distance and Droplet Size		TBD								bar	M
4	Throw Distance	N	20	30	50	60	70	80	100	120	meter	G
5	Water Droplet Size	N	upto 30µm				upto 60 µm				µm	G
6	Coverage Area in sq meter	N									m^2	M
7	Angle of rotation	CH	adjustable automatically up to a maximum of 330 degree and overridden by allowing full manual control of the machine									M
8	Elevation	CH	adjustable between 0 and 45 degrees for the efficient management of range									M
9	System mountingType	CH	Mobile Type on Trolly					Flat bed Plateform Type				G
10	Sound suppression inbuilt	CH	yes									M

Construction						
1	Overall Length of Fog Canon	N			meter	M
2	Overall Width of Fog Canon	N			meter	M
3	Overall Height of Fog Canon	N			meter	M
4	Overall Weight without Trolly	N			kg	M
5	Overall Weight with Trolly (write NA if not applicable)	N			Kg	M
6	Rotation angle max.	N	330 degree	360 degree	degree	F
7	Angle of Inclination	N	0 to 45 degree	0 to 90 degree	degree	F
8	Power Consumption of Turbine Fan Motor	N			KW	M
9	Nominal Current of Turbine Fan Motor (A)	N			A	M
10	Nominal Voltage & Frequency	CH	3 Phase /415 V/50 Hz			M
11	High Pressure Booster Water Pump	CH	YES			M
12	Power Consumption of High Pressure Booster Water Pump	CH			Kw	M
13	Nos of Nozzels in Fog Canon	N			Nos	M
14	Water Consumption at 10 Bar Pressure	N			liter	M

15	Water Consumption at 15 Bar Pressure	N		liter	M
16	Water Consumption at 20 Bar Pressure	N		liter	M
17	Water Filter size	N	250µm	µm	M
18	Material Used for construction	CH	Steel		M
19	Grade of steel	CH			M
20	Upward rotaitional Angle	CH	minimum 45 degrees from horizontal position	degree	M
21	Rotation left to right	CH	90 degrees (45 degrees to the left and 45 degrees to the right)	degree	M
22	Water consumption at at declared throw distance	CH			M
23	NOZZLES Type	CH	Quadrijet nozzles		M
24	Water Nozzel material	CH	Stainless Steel / Ceramic Coated		F
25	Water Supply Connection diameter	N	63 mm	mm	M
26	Operating Control System	CH	with remote operations through wired operator's panel and wireless operators panel		G
27	Remote Control Range	N	100 meter	meter	M
Performance					
1	Exhaust air velocity	N			M
2	Water Discharge capacity	N		liter/min	M
3	Throw length at 0 Beaufort Wind Condition (wind < 1 km/h)	N		metrs	M

4	Throw length at 4 Beaufort Wind Condition(wind 20–28 km/h)	N		metrs	M
5	Throw width at 0 Beaufort Wind Condition (wind < 1 km/h)	N		metrs	M
6	Throw height Maximum	N		metrs	M
7	Covering surface area in fixed position	N		Meter²	M
8	Noise level at full performance for Inbuilt sound suppression system at 1 meters	N		db	M
9	Noise level at full performance for Inbuilt sound suppression system at 20 meters	N		≤ 65 db	M
Certification					
1	Availability of Test Report from Central Govt/ NABL/ ILAC accredited lab to prove conformity of declared parameters	CH	yes		M
2	Certificate Number and Date	N			M
3	Comprehensive annual maintenance contract plan should be delivered in India	CH	yes		M

4	Training of operation and maintenace at consignee end by supplier	CH	yes				M
5	List of initial spares	CH					M
6	On Site Warranty period	N	1	2	5	year	G
7	Spares and Service support shall be available locally for minimum 7 years by its OEM or authorised Dealer	Ch	Yes				M