

1000000 Live Plant and Animal Material and Accessories and Supplies											
10190000 Pest control products											
10191500 Pesticides or pest repellents											
Commodity : Cyphenothrin											
Selling Unit : vol-mililiter											
S.No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation/ Remark	M	F	G	Demand aggregati on
REQUIRMENTS											
1	Constituents	Ch	The material shall consist of cyphenothrin, technical dissolved in suitable solvent(s) together with emulsifying agent(s) and with or without stabilizers.					v			
2	Cyphenothrin, technical employed in the formulation of this material shall conform to IS 15978	Ch	Yes					v			
3	Description		The material shall be a clear, stable, pale yellowish homogenous liquid and free from sediment and/or suspended matter. It shall readily form an emulsion, on dilution with water, suitable for spray					v			
4	Cold Test	Ch	No turbidity or separation of solid or oily matter, or both, shall occur when the material is subjected to the cold test at 10°C as prescribed in 13.1 of IS 6940.					v			
5	Flash Point (Abel)	Ch	When determined by the method prescribed in IS 1448 [P: 20], the flash point of the material shall be above 24.5°C.					v			
6	Emulsion Stability		Any separation including creaming at the top and sedimentation at the bottom of 100 ml of emulsion, prepared in standard hard water with 2.0 ml of EC, shall not exceed 2.0 ml, when tested by the method prescribed in 13.3 of IS 6940.					v			
Chemical Properties											

7	Cyphenothrin Content percent (m/m)	Ch	Up to 9 (+10/-5)	Above 9 and below	50 and above (+5/-)			√	√	√	
8	Acidity		When determined by the method prescribed in 13.5 of IS 6940, acidity (as H ₂ SO ₄) of the material shall not be more than 0.5 percent by mass.					√			
Packing											
9	Packing material, and the container shall also meet the general requirements given in IS	CH	lacquer coated aluminium container	Tin plate lacquer from inside				√	√		
10	Packing size (in ml)	N	100	250	500	1000		√	√	√	
11	The stores shall have to be packed as per Registration Certificate (in 100 ml. 250 ml. 500ml, 1 lit. & 5 lit) in tin container suitable lacquered from inside with teak proof and pilfer proof closure system confirming to IS: 9992-1991 end its subsequent amendment thereof. if	CH	YES					√			

12	A leaflet as approved by the Registration Committee should be affixed to the packaging containing insecticide/adulticide and shall be printed in English, Hindi &, in regional languages indicating product detail, direction for use, precautions, symptoms of poisoning and first aid with anadote, disposal of used containers, storage conditions and	CH	YES					v			
Marking											
13	The containers shall be securely closed and the following information shall be marked legibly and indelibly on each container in addition to any other information as is necessary under the Insecticides Act, 1968 and Rules framed thereunder: a) Name of the material; b) Name and address of the manufacturer; c) Batch number; d) Date of manufacture; e) Date of expiry; f) Net quantity; g) Nominal cyphenothrin content, percent (m/m); h) Cautionary notice worded as in the Insecticides Act, 1968 and Rules framed thereunder; and j) Any other information required under the Standards of Weights and Measures	CH	YES					v			
14	The containers may also be marked with the ISI Certification Mark	CH	YES					v			
15	In addition, the container shall be marked with GOVERNMENT OF (Name of the State) SUPPLY Name of Buyer organisation () NOT FOR SALE	CH	YES					v			

Shelf Life										
16	The expiry date i.e. the date up to which the insecticide shall retain its efficacy & toxicity shall be for a period of two years from the date of its manufacture that means the material shall meet with the requirements given in the specification at for a period of two years. This shall be guaranteed by the firm with a certificate in this regard shall have to be furnished along with the documents. At the time when the stores are offered for inspection the life of insecticides should not have passed more than 1/6th of the effective life of the same counted from	CH	YES					√		
Registration										
17	The product and the firm shall have to be registered by the Registration Committee. Central insecticide Board, Directorate of Plant Protection & Quarantine, Department of Agriculture, Ministry, of Agriculture for Public Health use for adult mosquito control of disease Vectors	CH	YES					√		
Certification										
18	Conforming to IS:15979(Latest)	CH	YES					√		
19	CM/L Number for ISI certification mark(Must declare)	CH	Text					√		
Test Report Details										
20	Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes					√		
21	Test Report to be submitted to the Buyer on Demand write NA if Test report is not available	Ch	Yes					√		
Dose and frequency										
22	The recommended dose for thermal fogging is 0.5 mg a.i./m ² in Indoor conditions and 3.5 g a.i./ha in outdoor conditions	CH	YES					√		
23	The State Programme officers have the right to carry out chemical analysis of larvicide from field examples during implementation under the programme at any stage during shelf life of the product	CH	YES					√		