



Ministry of Agriculture and Animal Welfare
Male', Republic of Maldives

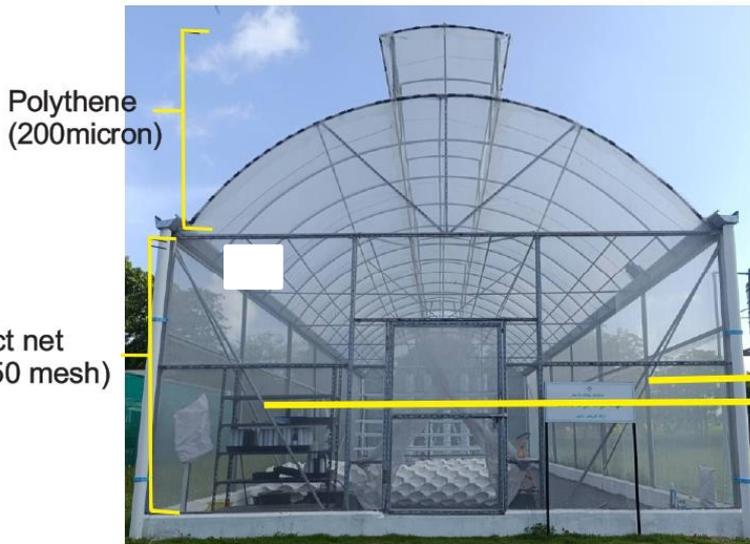
Minimum standard for suitable Greenhouses

Criteria	Minimum requirements	Comments
Purpose	Hydroponics/fertigation/	
Target crop	Multiple Vegetables and Herbs	Eg; Crops in media system
Greenhouse Area	Total greenhouse area approx.: 900 sq feet or above.	
Greenhouse Height	Side column height maximum 10ft Side column height minimum 7ft	
Greenhouse model	Umbrella design or Sawtooth design	
Roof cover	Polythene: minimum 200 micron/ UV stabilization/protection. The roof cover should be installed with retaining straps.	
Side/Perimeter	Insect net, HDPE Monofilament, UV stabilized, 0.22 thread diameter, high strength, Mesh size 40-50 The mesh should be installed with retaining straps.	All side walls of the house should be covered in insect proof net (Mesh). – “NOT IN POLYTHENE”
Entrance and Back Segment	Add stainless-steel pipes (one (1) pipe to each segment) at the back and front of the greenhouse diagonally to make the structure more rigid.	Four (4) segments, two on the front and two at the back
Entrance	Single entrance with steel structure, 40-50 mesh size insect net, door closer.	
Structure	Hot galvanized metal (minimum columns size of 8/6cm and 5/5cm or equivalent diameter) with a minimum of 18 inches concrete foundation. Column thickness is 2.5mm.	Minimum standard
Roof gutter and corner profiles	Gutter present with corrosion resistance	Gutter for rainwater collection
On Top	Add galvanized GI pipes (diameter 0.5inch) horizontally on top from front to the back of the greenhouse (along the whole length of the greenhouse). (for a greenhouse of 1000sq feet 8 pipes are required)	This is for Trellising. It should be attached to the greenhouse.
Other frame materials	Corrosion resistant	Whole structure
Foundation & Wall	Concrete foundation of 1.5 feet under the ground and 1.5 feet in width. 1 feet tall wall around the greenhouse.	Minimum standard



Umbrella roof

Gutter
(on both sides)



Polythene
(200micron)

Insect net
(40-50 mesh)

Diagonal
steel pipes
(On front and
back of greenhouse)



Galvanized GI
pipes for trellising
(on top, along the
length of the
greenhouse)