1- Technical Specification for Greenhouse

Item	size / details
Prefabricated Green House	26ft width, 98ft Length, 10ft Wall height, 1-2ft Roof height, 2548 square feet (Area) and at least 60km/h wind load
Framework	32mm galvanized steel pipe or aluminum frame with similar or better strength (1.2mm thickness), Anti-rust treated
Side covering with Insect	Anti thrips insect proof net equivalent to the
proof nets	specification provided below
Polythene Covering	3-ply plastic film, UV treated, 200 micron thickness, last at least 5 years
Door	Double door system, Covered by plastic film, 6ft height x 3ft width
Floor mat	 Large enough to cover floor area of entire greenhouse, Material: 6 oz., 14 mil premium reflective flooring manufactured from woven polyethylene, with a count of 10 x 10 tapes per inch and has superior UV resistance. Black bottom surface should be double coated and must offer a safe, controlled environment that inhibits weed growth and pests. Should be able to effectively seals out soil-borne diseases and humidity-causing ground moisture. Must withstands both prolonged heat.
Fustigation System enough for the full greenhouse (Assuming the planting distance of 2 feet in between plants and 3 feet in between rows)	LDPE Pipe mainline Micro tubes Tube Connectors Filters (Inline Y screen water filter) compatible to the system Pipe spike holders Joints LDPE pipe lateral lines Ensure there is no leakages in the system

Material for greenhouse side netting

Specifications	No-Thrips Screen
Material	Polyethylene Monofilament
Construction	81 x 81 mesh
Opening Size	0.0059" x 0.0059"
Thread Size	.15 mm
Weave	1/1
Weight	0.216 lbs/sq. yard
Shade Value	25-27%
Light Transmission	73%
UV Resistance	Tested to equivalent of three years field experience

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2- Technical Specification for Automatic Irrigation Timers

Functions

- 1- Allows complete control and functionality over watering needs.
- 2- Cycles easily from set clock,
- 3- Set watering time for Intervals from every 6 hours to once every 7 days
- 4- Able to set watering duration for at least 60 minutes,
- 5- Rain delay must be built into the run program function.

Features

- 1- Easy to read digital display
- 2- Oversized features for ease of use
- 3- Manual override button to keep programming and allow flexible manual watering
- 4- Should be able to run with two AA alkaline batteries
- 5- Provide 4 rechargeable AA alkaline batteries and a charger for batteries with each timer

3- Technical Specification for Solar Surface Pumps

Solar Panel	900W
Solar Surface Pump	1HP
Head Range	3m – 15m
Pump HP /Voltage Range	1.0 hp / 30-55 V DC
Inlet / Outlet	40mm / 40mm

Spare parts for the pump should be easily available from local suppliers.

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4- Technical Specification for Pest Repelling Device

Device Name: BIRD-X Yard Gard Electronic Pest Chaser

- 1- Must be able to repel wild animals like rodents, cats, bats and birds.
- 2- Must be capable enough to protect an area of 4,000 sq. ft.
- 3- Should be water and weather resistant
- 4- Built-in infrared motion sensor that detects and activates when pests are entered into the perimeter
- 5- It should be safe for humans, non-toxic and energy conscious.







Yard GardTM



Details

- Safely repels rodents, squirrels, deer, raccoons, feral cats, skunks, opossums, armadillos, rabbits, bats, wild pigs, and much more!
- · Deters pest animals with ultrasonic (nearly silent-to-humans) sound waves
- · Water and weather resistant; protects up to 4,000 sq. ft
- · Built-in infrared motion detector activates when pests move into its coverage zone
- · Red indicator light when unit is active
- Continuous or motion-sensor operation modes
- Mount Yard Gard anywhere with keyhole slot (mounting hardware is included)
- · Helps prevent the spread of ticks, including those that carry Lyme Disease
- · Safe, energy-conscious, green, non-toxic
- Easy to operate can be set to either constant or motion-activated

WARNING: This product contains DEHP, a phthalate chemical known to the State of California to cause birth defects and other reproductive harm.

Benefits

- · Cut recurring cleanup and repair costs
- Prevent the spread of diseases, such as rabies (bats)
- · Keep parasites, such as ticks, mites, and fleas, away from your property
- · Protect gardens, lawns, and trees from pest animal damage
- · Increase/maintain property aesthetics
- · Decrease nuisance for residents, workers, customers, and other visitors

Specifications

- Unit Dimensions: 6.75" x 5.5" x 3.5"
- Box dimensions: 10" x 8" x 4" / Shipping weight: 3 lbs
- AC Power Cord Length: 30 ft (all versions)
- Coverage: Up to 4,000 sq. ft.
- Motion Sensor Range: 35' x 70'
- Frequency Range: 15 25 kHz (adjustable)
- Sound Pressure: 90 dB @ 1 meter
- Working Current: <200mA
- Power Supply: 4 x 1.5v "C" batteries or 120 VAC adaptor
- · Unit switches to battery power during a power failure (if batteries are in)

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